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1973-74

FLORIDA INTERNATIONAL UNIVERSITY  
The State University System of Florida



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# FLORIDA INTERNATIONAL UNIVERSITY

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A  
MEMBER INSTITUTION  
OF  
THE STATE UNIVERSITY SYSTEM OF FLORIDA

Florida International University is an upper division institution for juniors, seniors and graduate students, and this catalog contains course descriptions for both undergraduate and graduate studies.

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Admission to Florida International University is granted without regard to race, creed, color, sex, age, or national origin. The University is an Equal Opportunity Employer.

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# Message From the President

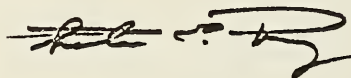
It is my sincere hope that the student's experience at Florida International University will be both exciting and rewarding. For each individual, the rewards will vary, but the University is dedicated to helping

every student to:

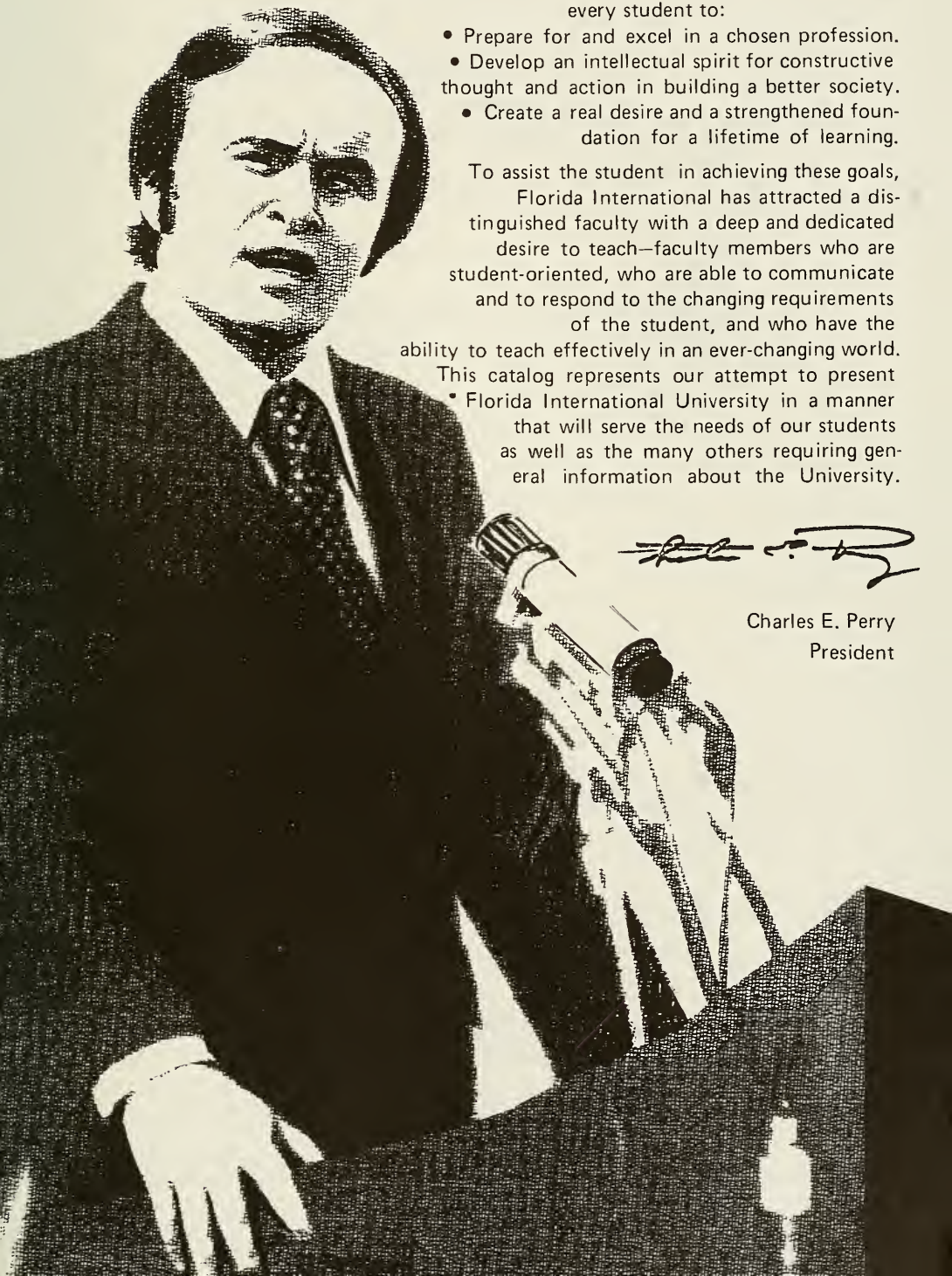
- Prepare for and excel in a chosen profession.
- Develop an intellectual spirit for constructive thought and action in building a better society.
- Create a real desire and a strengthened foundation for a lifetime of learning.

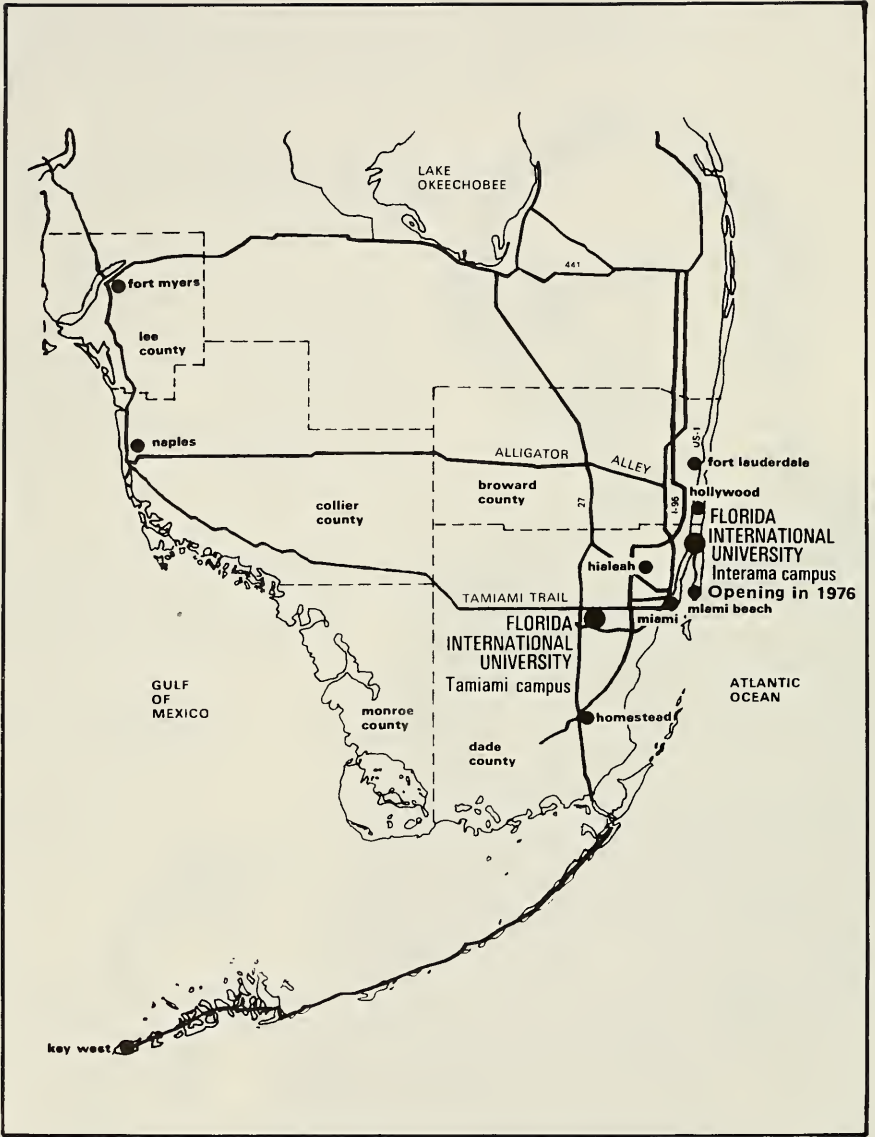
To assist the student in achieving these goals, Florida International has attracted a distinguished faculty with a deep and dedicated desire to teach—faculty members who are student-oriented, who are able to communicate and to respond to the changing requirements of the student, and who have the ability to teach effectively in an ever-changing world.

This catalog represents our attempt to present Florida International University in a manner that will serve the needs of our students as well as the many others requiring general information about the University.



Charles E. Perry  
President





*Florida International University  
Located to serve the State's most heavily-populated area.*

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# Academic Calendar, 1973-74

## FALL QUARTER

August 20—September 14	Registration by Mail Cashier's Office Accepting Fees for Fall Quarter
September 3	Labor Day Holiday (University Closed)
September 7	Last Day for Receipt of Applications for Regular Admission to Fall Quarter
September 17—20	New Student Orientation (students will be notified of time and location)
September 21	Change Day (late registration and class schedule adjustments by appointment) Last Day to Pay Fees Without a \$25.00 Late Fee
September 24	Classes Begin
October 8	Last Day for Completing Late Registration Last Day to Add a Course (or change sections) Last Day to Withdraw from the University (or to drop a course) with a Fee Refund
October 22	Last Day to Drop a Course Without a Grade
November 22—23	Veteran's Day Holiday (University Closed)
December 13	Thanksgiving Holidays (University Closed)
December 19	Classes End
December 25	All Grades for Fall Quarter Due in Registration Office by 12:00 Noon Christmas Holiday (University Closed)

## WINTER QUARTER

December 10—28	Registration by Mail Cashier's Office Accepting Fees for Winter Quarter
December 17	Last Day for Receipt of Applications for Regular Admission to Winter Quarter
January 1	New Year's Holiday (University Closed)
January 3	Change Day (late registration and class schedule adjustments by appointment) Last Day to Pay Fees Without a \$25.00 Late Fee
January 4	New Student Orientation (students will be notified of time and location)
January 18	Classes Begin Last Day for Completing Late Registration Last Day to Add a Course (or change sections) Last Day to Withdraw from University (or to drop a course) With a Fee Refund
March 14	Last Day to Drop a Course Without a Grade
March 19	Classes End All Grades for Winter Quarter Due in Registration Office by 12:00 Noon

## SPRING QUARTER

February 25–March 15	Registration by Mail Cashier's Office Accepting Fees for Spring Quarter
March 11	Last Day for Receipt of Application for Regular Admission to Spring Quarter
March 22	Change Day (late registration and class schedule adjustments by appointment) Last Day to Pay Fees Without a \$25.00 Late Fee New Student Orientation (students will be notified of time and location)
March 25	Classes Begin
April 8	Last Day for Completing Late Registration Last Day to Add a Course (or change sections) Last Day to Withdraw From University (or to drop a course) With a Fee Refund Last Day to Drop a Course Without a Grade
May 27	Memorial Day Holiday (University Closed)
June 6	Classes End
June 8	All Grades for Spring Quarter Due in Registration Office by 12:00 Noon
June 11	Annual Commencement

## SUMMER QUARTER

May 20–June 7	Registration by Mail Cashier's Office Accepting Fees for Fall Quarter
June 3	Last Day for Receipt of Application for Regular Admission to Summer Quarter
June 14	Change Day (late registration and class schedule adjustments by appointments) Last Day to Pay Fees Without a \$25.00 Late Fee New Student Orientation (students will be notified of time and location)
June 17	First Day of Classes
July 1	Last Day for Completing Late Registration Last Day to Add a Course (or change sections) Last Day to Withdraw from University (or to drop a course) With a Fee Refund Last Day to Drop a Course Without a Grade
July 4	Independence Day Holiday (University Closed)
August 22	Classes End
August 28	All Grades for Summer Quarter Due in Registration Office by 12:00 Noon

# Baccalaureate and Master Degrees

## Offered by

### FLORIDA INTERNATIONAL UNIVERSITY

College of Arts and Sciences —

Bachelor of Arts  
Bachelor of Science  
Bachelor of Fine Arts

School of Business and Organizational Sciences —

Bachelor of Business Administration  
Master of Business Administration  
Master of Science  
Executive Master of Business Administration\*  
Inter-American Master of Business Administration\*

School of Education —

Bachelor of Science  
Master of Science  
Master of Science in Curriculum and Instruction\*  
Master of Science in Special Education and Pupil Services\*  
Master of Science in Administration and Supervision\*

School of Health and Social Services —

Bachelor of Science  
Master of Science in Nursing\*  
Master of Science in Dietetics\*

School of Hotel, Food and Travel Services —

Bachelor of Science  
Master of Hotel, Food and Travel Services\*

School of Technology —

Bachelor of Science  
Bachelor of Technology

School of Independent Studies —

Bachelor of Arts  
Bachelor of Science

\* In Planning Phase

# Academic Programs

Majors leading to a Bachelor's Degree are offered by:

## College of Arts and Sciences

- \*Biology
- \*Chemistry
  - Chemistry, Environmental
  - Economics, General
  - International Economics and Development
  - Labor and Manpower Studies
  - Urban and Environmental Economics
- \*English
  - Environmental Studies (Fine Arts:)
  - \*Art
  - \*Music Theater
- \*History
  - Humanities
- Liberal Studies
- Mathematical Sciences
  - Computer Science
  - \*Mathematics (Modern Languages:)
    - \*French
    - \*German
    - \*Portuguese
    - \*Spanish
- Philosophy/Religion
- Political Science
  - Comparative International , Development
  - Urban Politics
- Psychology
- Sociology/Anthropology

*\*NOTE: These areas also provide course sequences for students desiring teacher certification.*

## School of Business and Organizational Sciences

- Accounting
- Finance
- Health Care Management
- Insurance and Risk Management
- International Management
- Management
- Management Information Systems
- Marketing
- Public Works Management
- Real Estate
- Transportation Systems
- Urban Management

## School of Education

- \*Art (1–12)
- \*Biological Sciences
  - Early Childhood Education
  - Elementary Education
- \*English
  - Health Education
- \*History
  - Industrial Arts
- \*Mathematics (Modern Languages:)
  - \*French
  - \*German
  - \*Portuguese
  - \*Spanish
- \*Music (1–12)
- Physical Education (1–12)
- \*Physical Sciences
- \*Social Studies
  - Special Education
    - Behavioral Disorders
    - Intellectual Differences
    - Special Learning Disabilities
  - Technical Education
  - Vocational Industrial Education

*\*NOTE: Students in these areas of specialization take their subject matter preparation in the College of Arts and Sciences and their professional preparation in the School of Education. The degree may be taken in either the College of Arts and Sciences or the School of Education.*

### **School of Health and Social Services**

Criminal Justice  
Dietetics and Nutrition  
Health Science  
Medical Technology

Nursing  
Occupational Therapy  
Physical Therapy  
Social Work

### **School of Hotel, Food and Travel Services**

General Hospitality Management  
Hotel—Motel Management  
International Hotel—Motel Management  
Restaurant and Food Service  
Management

Tourism and Travel Management  
Resort, Condominium/Cooperative and  
Apartment House Management

### **School of Technology (Opening—Fall, 1973)**

Industrial Technology  
Construction

Engineering Technology  
Environmental/Urban Systems

### **School of Independent Studies**

**(External Degree at Baccalaureate Level)**

General Business  
Health Science  
Humanities  
Liberal Studies

Social Sciences  
Social Work  
Urban Justice

Services offered by:

### **Division of University Services and Continuing Education**

Credit Courses (Off-Campus)  
Cooperative Education Program  
Community Service  
Institute of Labor Studies  
Latin American Program  
Migrant Program  
School Service Center

Special Opportunities Program  
Urban Agent Program  
Professional and Developmental  
Educational Activities  
(Conferences, Institutes, Seminars,  
Workshops and Non-Credit Classes)



# General Information



The student — both as an individual and as part of the total teaching-learning environment — has been a primary concern behind the development of Florida International University.

In addition to serving the traditional student age groups, the University reaches out to provide specialized educational programs for persons of varying ages and interests. It also affords an opportunity for students who are unable to attend regular classes to obtain a Bachelor of Independent Studies degree through a combination of independent study, media programming, testing, seminars and short courses in locations away from the campus.

Since the theory and mechanics of formal course work are understood better when applied to the situations of real life, students are encouraged to engage in related community endeavors. Thus, theory tested in practice is available to students before graduation, helping Florida International to become a "university without walls."

Regardless of what career in life a student may choose, the social problems related to it must be known and understood, and programs at Florida International have been developed with this in mind. Environmental problems are stressed, with studies designed to aid students in learning how to live responsibly and with a concern for the quality of life.

The University is also aware that the student can be left with ideas, but without the tools to implement them. Florida International recognizes that its graduates must have acquired a high degree of specialized knowledge if they are to give skilled service to

society. At Florida International, the student has an opportunity to learn to do a job well, because the University believes that a student should be trained as well as educated.

In planning programs of skill training, however, Florida International has taken into consideration the fact that today's training can become obsolete tomorrow. Therefore, the University fosters on the part of its students attitudes which encourage creative adaptation to change.

There is focus, too, on innovation and experimentation in seeking more effective and efficient approaches to learning. In keeping with this objective, both students and faculty are encouraged to take active roles in the governing and decision making processes of the University.

Given the position and potential which Greater Miami and South Florida hold as international, cultural and economic centers, Florida International is making every effort to "internationalize" its curriculum in order to broaden the understanding of students, and to serve the citizens and governments of the Americas and of the world.

As a public institution, Florida International University shares in the Land-grant tradition with responsibilities for service as well as for education and research. The University is dedicated to concentrating its resources on goals to which it can make the greatest contribution, together with the other institutions of society, in creating a higher and better quality of life.

## GOALS OF FLORIDA INTERNATIONAL

Throughout all its programs, the University adheres to three major goals:

*Education of Students* – To provide a university education for qualified students which (a) prepares them for useful careers in education, social service, business, industry, and the professions; (b) furnishes them with the opportunity to become effective members of the society; and (c) offers them an appreciation of their relations to their cultural aesthetic and technological environments.

*Service to the Community* – To serve the greater community, with a primary emphasis on serving the Greater Miami and South Florida area, in a manner which enhances the metropolitan area's capability to meet the ecological, cultural, social and urban challenges which it faces.

*Greater International Understanding* – To become a major international education center with a primary emphasis on creating greater mutual understanding among the Americas and throughout the world.

The bronze Goals Plaque at the entrance to Primera Casa was presented to the University by Mr. and Mrs. Leon J. Ell "with the hope that all who pass here may know the promise of higher education as expressed in these goals."

## THE UNIVERSITY TORCH

The Florida International University Torch of Knowledge, Service and Understanding, in the courtyard of Primera Casa, was first lighted on the



University's Official Opening Day, September 14, 1972, to stand as a reminder of Florida International's commitment to mankind. The torch is dedicated in memory of Ernest R. Graham (1885-1964), State Senator from Miami, who with great foresight and wisdom first introduced legislation in the Florida Legislature to establish a State University in South Florida.

Senator Graham, affectionately known as "Cap," was elected to the Florida State Senate in 1936, and served as Dade County's lone senator for eight years. A strong advocate of the public school system at all levels, he introduced his bill for a State University in Dade County in 1943. The opening of Florida International University 29 years later was the flowering of the seed he planted.

## **POLICY STATEMENT OF NON-DISCRIMINATION**

Florida International University is committed to non-discrimination because of race, creed, color, sex, or national origin. This commitment applies in all areas with students, faculty and other University personnel. It is also relevant to those aspects of The State University System of Florida in dealing with the choice of contractors, suppliers of goods and services, and to the use of facilities.

The University believes in equal opportunity practices which conform to both the spirit and the letter of the laws against discrimination. Florida International University actively strives to assist in building a society in which opportunity is equalized, and uses its facilities and human resources to develop the skills and opportunities of the members of all groups so they may play responsible and productive roles in achieving this goal.

## **FOUNDING OF THE UNIVERSITY**

Created by an act of the State Legislature on June 22, 1965, Florida International is the first state university to be established in the populous Dade-Broward-Monroe-Collier Counties area. The new institution received its challenging name – Florida International University – by action of the Florida Board of Regents at its meeting July 11, 1969. Also at that meeting, the board named Vice-Chancellor Charles E. Perry as the University's first president. At 32, Dr. Perry became the youngest university president in the history of The State University System of Florida.

On September 2, 1969, the founding corps of the University headed by President Perry, moved into the abandoned control tower of the closed Tamiami Airport on the Tamiami Trail, ten miles west of the Miami business center. The land, provided by the people of Dade County, consisted of 344 acres of the former airport site, adjacent to Tamiami Regional Park. Largely barren except for some small metal sheds and concrete buildings, the airport was once a place of great activity. It was destined to be that again.

Florida International will be a multi-campus university. With this in view, the 1970 State Legislature allocated 400 acres of the Interama site on Miami's Biscayne Bay for the establishment of the University's Interama Campus. The site in northeast Dade County, totaling 1,700 acres of prime coastal property, has been projected as a permanent, international, cultural and trade center,

linking the two Americas. Florida International will be a part of the center, with planning for the University's Interama Campus now being coordinated with that for the nation's Bicentennial Celebration to be held on the site in 1976.

## OPENING OF THE UNIVERSITY

Classes began September 19, 1972, on the University's Tamiami Campus for 5,667 students — the largest first-year enrollment of any college or university in the history of the United States. By the early 1980's, when the University will have two campuses — Tamiami and Interama — the number of students is expected to grow to more than 30,000.

Preceding the first class sessions, Official Opening Ceremonies were held on September 14, and the day was designated by Governor Reubin Askew as Florida International University Day.

# Proclamation

Whereas the Official Opening Ceremonies for Florida International University, a distinguished new member of the State University System of Florida, will be held September 14, 1972; whereas, the University's three significant goals — education of students, service to the community, and greater international understanding are so vital to this period of our history; whereas many educational and service benefits will accrue, through the University, particularly to the great populous area of Southern Florida; and whereas the University is in a unique position to help build a bridge of better understanding between the Americas — indeed, to help build such a bridge for a better world, I hereby proclaim, on behalf of all the people of the Great State of Florida, the observance of September 14, 1972, as Florida International University Day. Further, on this historic day, I urge each Floridian to join with President Charles E. Perry, and his faculty and staff in their great excitement and deep satisfaction in giving birth to this new institution of higher education.



Governor  
State of Florida

At the Opening Day Ceremonies, attended by more than 1,800 persons, the University Goals Plaque was unveiled, and the University Torch of Knowledge, Service and Understanding was dedicated and lighted. Founder Awards were presented by The Florida Board of Regents to Charles E. Perry, Donald L. McDowell, Butler H. Waugh and Nicholas G. Sileo — the initial cadre of planners who came to the Tamiami Campus site on September 2, 1969, to bring to Miami its first public university.

Remarks were made by Tom Adams, Lieutenant Governor of Florida; Floyd T. Christian, Commissioner of Education for Florida; and Regents J. J. Daniel, Carolyn L. Pearce and James J. Gardener. Dr. William T. Jerome III, University Vice President for Academic Affairs, served as Master of Ceremonies, with the Rev. Edward T. Graham, Pastor of Mount Zion Baptist Church, giving the invocation, and the Most Rev. Rene H. Gracida, Auxiliary Bishop of Miami, the benediction. Music was provided by the Southwest Miami High School Symphonic Band, and the United States Anthem was led by Margaret E. Boydston, one of Florida International's first students.

In his response, President Perry stated:

"This day will be recorded in the history of the University as THE BEGINNING. Let us remember, therefore, that Florida International University was born today to serve all of the tomorrows that follow. And let us always be mindful of our continued commitment and dedication to Knowledge, Service and Understanding as expressed in the Goals of the University."

## **BUILDING PROGRAM**

From the old Tamiami Airport an impressive new campus has grown. And it continues to grow.

In keeping with the international dimension of the University, foreign languages are used in the naming of buildings. Thus, the first major structure completed on the Tamiami Campus is called *Primera Casa*, and the second, *La Deuxieme Maison*.

*Primera Casa*, costing \$5,678,550, is five stories high and covers an area greater than the playing field of the Orange Bowl. It provides classrooms, laboratories, library and computer facilities, and offices, and is designed to foster a close, student-faculty relationship. With both removable and flexible walls, the building — as is true of the University as a whole — is adaptable to change.

Groundbreaking ceremonies for *Primera Casa* were held January 25, 1971, with U Thant, then Secretary-General of the United Nations, and Reubin O'D. Askew, Governor of Florida, among the honored guests. At the ceremonies, Secretary-General U Thant was awarded Florida International's first honorary doctoral degree.

*La Deuxieme Maison*, costing \$3,650,000, is a four-story structure, providing lecture halls, classrooms and offices. With upper stories projecting over walkways and with extensive use of glass, the building has been described as "a bold attempt to bring the outdoors indoors."

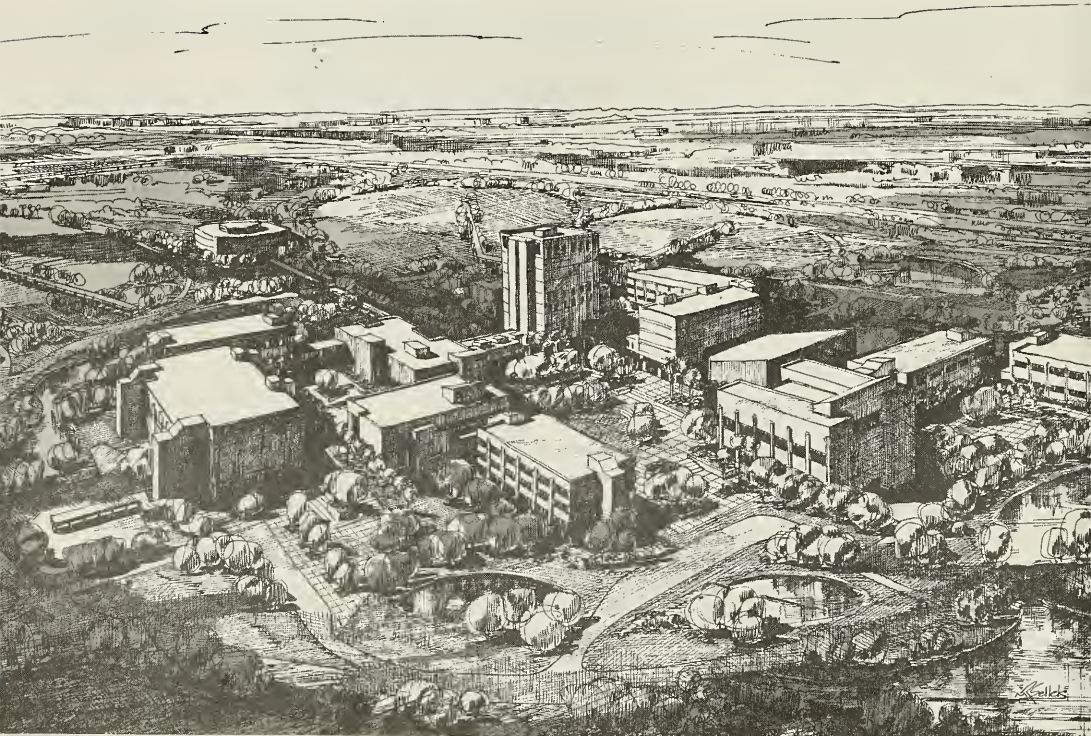
A third major building, now under construction, is scheduled for completion early in 1974. This three-story structure being erected at a cost of \$4,107,000, will become the University Center, with focus on student activities. Besides student recreational facilities and office areas, there will be a bookstore,

cafeteria, international conference theatre, and classroom-type auditorium seating 200 persons.

Also under construction in 1973 will be a two-story, multi-function building, costing \$4,200,000. Expected to be ready to serve during the 1974-75 academic year, this structure will provide technology and science laboratories, music and art studios, an experimental theatre, and new quarters for the Media Center.

Planning is now under way for a fifth major building, the new home for the Library to be erected at an estimated cost of \$4,950,000. Construction will start in 1974.

More major buildings are scheduled to follow in rapid order. Keeping pace with building construction are the other development activities of the campus. With lakes and tropical trees and shrubs dotting it, the campus is conceived in the image of South Florida's natural outdoors, and each year this image becomes more pronounced.



*The Tamiami Campus as projected for 1980 . . . visually exciting and conveniently laid out . . . this is the goal of the University planners.*

## **CENTER FOR INTERNATIONAL AFFAIRS**

The prime function of Florida International's Center for International Affairs is to assist all elements of the University in acquiring an international dimension, whether it be in Florida or abroad, curricular or extra-curricular.

It has become traditional for like centers in other universities to create separate staffs and projects which remain on the periphery of student and faculty concerns. Florida International's non-traditional approach seeks total immersion of the University in international affairs. The goal is to make of the University as a whole an international center. To achieve this, the staff of the Center serves alternately as advocate, lobbyist, convener, planner, broker and fund raiser.

A principal premise upon which the Center operates is that the most valid international activities are those which are multi-disciplinary. For the Center's purposes, multi-disciplinary means that not only are both faculty and students to be brought in, but community groups and resources as well. Priority emphasis is given to those activities where two or more schools or departments of the University can be involved.

If there is one broad discipline around which the University's internationalism clusters it is the institution's relationship with international students. The Center assists all elements of the University in seeing that the international student feels welcome at Florida International.

The Center aids all parts of the University in the research of the practical problems which face the international community.

The promotion of faculty and student travel and study abroad is also a function of the Center. In this regard, the Center acts as a clearing house for programs sponsored by the University as well as for those sponsored by such organizations as the State University System, American Association of State Colleges and Universities, and International Institute of Education.

## **CENTER FOR ENVIRONMENTAL AND URBAN PROBLEMS**

The establishment in 1972 of a Joint Center for Environmental and Urban Problems by Florida International University and Florida Atlantic University at Fort Lauderdale was based on the premise that many of South Florida's urban and environmental problems must be approached on a regional basis — that they know no political boundaries. As a catalyst in coordinating and supporting private and public efforts to solve these problems, the Center has both research and service responsibilities.

Research results, produced at the Center and elsewhere, are made available to public and private agencies attempting to find and apply solutions to urban and environmental problems. As a service organization, the Center provides professional assistance, maintains inventories of needs and scientific manpower availabilities, disseminates information, and facilitates communication among groups concerned.

Special effort is concentrated on providing services to the executive and legislative branches of state government. This concentration is based on the conviction that state governments in general, and that of the State of Florida in particular, are the key element in the solution of urban and environmental

problems which increasingly have a regional character.

Decisions must be made in the next decade on such critical areas as transportation, pollution control, land use, housing, and the design of a regional government system capable of effective problem solving. University faculties have many persons whose talents and training can aid in this effort. By enlisting their expertise, the Center can help bridge the gap between resources and needs.

Citizens' groups are generally over-supplied with ideas and imagination, and grossly under-supplied with facilities and mechanical assistance. Their need for assistance in identifying problems or proposing solutions is minimal. Indeed, they are presently the major source of our awareness of environmental and urban problems. They do, however, greatly need facilities for communicating with each other and with government and para-governmental agencies, for identifying other interested individuals, and for gaining information for more effective action. The Center is charged with looking to all these needs.

Active research programs are fostered by the Center at both Florida International University and Florida Atlantic University. This "in-house" research is normally carried out at the universities, rather than at the Center itself, to avoid duplication of facilities.

Research projects initially funded for the Center cover such varied areas as:

Noise Pollution

Short Term Forecasts of Criminal Activity in Florida

Pollution in Marine Waters Adjacent to Sewage Outfalls

Rent Differentials Among Racial and Ethnic Groups in Dade County, Florida

Automobile Exhaust Pollutants

Sickle Cell Anemia and Genetic Counseling

Physician Location in Southeast Florida

Juror Selection

## THE LIBRARY

The Florida International University Library occupies the entire first floor and a portion of the second floor of Primera Casa. A variety of study space is provided in both formal and informal settings with individual carrels, group study tables, and lounge facilities.

With the fast pace of change in the world, emphasis in developing the resources of the Library has been given to contemporary works and the standard scholarly tools necessary to provide a living, working laboratory for the University community with its international thrust and concern for environmental and urban problems. Some 135,000 volumes comprise the Library collection, in addition to substantial holdings in federal, state, local, and international documents; maps; microforms; music scores; newspapers; institutional archives; and curriculum materials. Multi-media and audiovisual resources, which are housed and serviced by the University Media Center, are cataloged by the University Library and represented in the public card catalog. The Library subscribes to approximately 4,000 scholarly journals and other serials.

The public card catalog, located in the Reference Department, is the key to the holdings of the Library. For ease of use, the catalog is divided into three sections for author, title, and subject entries. Locations for resources in special

areas other than the stack tier are indicated by means of plastic overlays on cards in each of the three sections of the catalog. The bulk of the collection is housed in open stacks, freely available for browsing and selecting material to be used.

Classification of Library resources is according to the Library of Congress system except for the depository collection of U.S. government publications, which is arranged by the Superintendent of Documents classification. A separate public catalog is maintained as the key to Library holdings of government documents.

Circulation of library materials is accomplished by means of an automated charging system using the patron's plastic identification card. Control records for circulation, acquisitions, and serials holdings are produced through data processing techniques developed in cooperation with the Southeast Regional Data Center.

In keeping with the University's commitment to day and night operations, the Library is open from 7:30 a.m. to 11:00 p.m. daily, Monday through Friday; 8:00 a.m. to 5:00 p.m. on Saturdays; and 2:00 P.M. to 11:00 p.m. on Sundays, except for designated vacation periods. The Library's facilities are available to residents of the area as well as to all members of the University community.

## DATA CENTER

To provide the most readily accessible computer support, resources from Florida International University and Florida Atlantic University have been pooled into a single Data Center for computer services. The Center, which is the first of its kind in Florida, has been charged with extending instructional, research, and administrative computing support to both universities. The pooling of resources has enabled the Data Center to provide far more computing power to both universities than either university could have supported individually.

One of the prime objectives of the Data Center is to provide continuous access to students and faculty for support of instruction, faculty research, and graduate research efforts. This has been achieved by use of current technology and computing equipment, and by assigning greater priority to student and faculty work than routine administrative processing.

Students have been provided with two modes of computer use. The first is "batch" support in which programs and data are submitted to the computer in cards via a special card reader/line printer device dedicated to that purpose. The second mode is "interactive" support in which students use a typewriter-like device (demand-terminal) to communicate directly with the computer. Several terminals have been provided for this type of use.

An extensive library of programs is available to all Data Center users. This library includes programs for simulation, linear programming, statistical analysis and decision-making games, and is accessible from either mode of operation.

A staff of support personnel is available to assist students and faculty in the use of interactive (demand) terminals, batch facilities and the software library, and for general problem solving associated with their use. The same personnel will also conduct short courses on the use of the programs in the software library.

## OFFICE OF INSTITUTIONAL RESEARCH

The Office of Institutional Research is responsible for the research and evaluation related to the internal operations of the University. The reporting of statistics to outside governmental agencies, State and Federal, as well as other relevant groups is also done in the Office of Institutional Research. All data generated by and for this office is designed to assist in the operational decision making of long-range planning for Florida International University.

## FLORIDA INTERNATIONAL UNIVERSITY BOARD OF ADVISORS

The Florida International University Board of Advisors has the responsibility of assisting the President of the University in the realization of the goals of the University by sharing wisdom, experience and expertise gained in many different areas. No institution of higher education can function successfully as an island unto itself, but must relate to the broader community through awareness of its needs, problems and views. Florida International is committed to achieving this awareness by seeking the advice and counsel of outstanding community leaders.

Whether a university has been newly created or is centuries old, planning is a vital and continuing process, which in recent years has become extraordinarily complex. The Board of Advisors, representing a great diversity of in-depth experience, can contribute immeasurably to Florida International in this most important aspect of the University's activities.

The Florida International University Board of Advisors:

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Jewish Women*

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*President, The Miami Herald  
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GAC Corporation*

Sonny Wright  
*President, Universal Real Estate, Inc.*

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*President, Southeast Banking  
Corporation*



## FLORIDA INTERNATIONAL UNIVERSITY FOUNDATION, INC.

The Florida International University Foundation, Inc., was established on December 16, 1969, to "encourage, solicit, receive and administer gifts and bequests of property and funds for scientific, educational and charitable purposes, all for the advancement of Florida International University and its objectives."

The officers of the University recognized that only through a partnership of private money and public funds could they hope to build at Miami the kind of university which Florida deserves and indeed must have. Tax funds generally can support the basic needs of public higher education. But the ingredients for true academic excellence must include private support.

Members of the Foundation's Board of Trustees:

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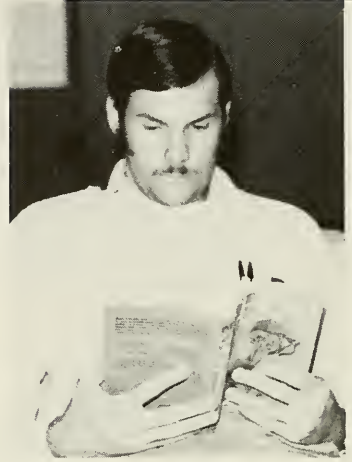
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## ALUMNI PROGRAM

The deep interest Florida International has in each of its students will continue in the years to come. To ensure a close and enduring relationship between graduate and alma mater, an active alumni program has been planned. Through this program, the University hopes to play a meaningful role in the lives of its students in the future as well as in the present.

*The programs, policies, requirements or regulations published in this Catalog are continually subject to review in order to serve the needs of the University's various publics and to respond to various mandates of The Florida Board of Regents and of The Florida Legislature. Accordingly, changes in such programs, policies and requirements may be made without advance notice.*



# Admissions, Registration and Records, Academic Regulations, Fees and Refunds

All academic programs of Florida International University, a member of The State University System of Florida, have the approval of The State Board of Education and the Florida Board of Regents.

Visits have been made to the University by the Executive Secretary of the Southern Association of Colleges and Schools, the official accrediting agency, and Florida International has been granted correspondent accreditation status. Course work taken at the University will be transferable to other institutions of higher education.

Florida International is affiliated with the American Association of State Colleges and Universities, Association of Upper Level Colleges and Universities, American Association of Collegiate Schools of Business, National Universities Extension Association, Association of Caribbean Universities and Research Institutes, Latin American Studies Association, and other professional organizations.



# Admission

## GENERAL ADMISSION REQUIREMENTS FOR UNDERGRADUATE STUDENTS

Students who have been awarded the **Associate in Arts degree from a Florida public community college** are eligible for admission to Florida International University.

Students who have completed an **Associate in Arts** degree or 90 quarter hours (60 semester hours) of collegiate work from any other accredited institution at an acceptable performance level and who have completed the general education program requirements equivalent to that given in a Florida public community college are eligible for admission.

Students who have been awarded the **Associate in Science** degree from a Florida public community college are eligible for admission as follow:

**COLLEGE OF ARTS AND SCIENCES** – Most students will be enrolled in the Liberal Studies Curriculum; however, depending upon previous academic program, some students may be enrolled directly into specific majors of the College.

**SCHOOL OF BUSINESS AND ORGANIZATIONAL SCIENCES** – Students will normally enroll initially in the College of Arts and Sciences (Liberal Studies Program). Upon completion of the equivalent of the Associate in Arts degree, students may transfer to the School of Business and Organizational Sciences or pursue the Bachelor of Liberal Studies degree within the College of Arts and Sciences which allows electives to be taken in the School of Business and Organizational Sciences.

**SCHOOL OF EDUCATION** – Students will normally enroll initially in the College of Arts and Sciences (Liberal Studies Curriculum) to fulfill the equivalent of an Associate in Arts degree program prior to transferring to the School of Education; however, A.S. degree holders may enroll directly into some majors.

**SCHOOL OF HEALTH AND SOCIAL SERVICES –  
SCHOOL OF HOTEL, FOOD AND TRAVEL SERVICES –**

Most students will be enrolled directly into degree programs of their choice. Those students whose prior academic records do not meet the eligibility requirements will need to complete certain preparatory work in the College of Arts and Sciences (Liberal Studies Curriculum) in conjunction with work taken in the appropriate school.

**SCHOOL OF TECHNOLOGY** – Students who hold the Associate of Science degree may be admitted to the School of Technology directly. Normally, the A.S. degree in an appropriate technical discipline is accepted as full equivalent to the first two years (90 quarter hours credit) of the **Bachelor of Technology** program.

## GENERAL EDUCATION REQUIREMENTS

The general education program as defined by the Board of Regents, consists of 54 quarter hours (36 semester hours). Florida International University recognizes the following general education program: 9 quarter hours each in the areas of social science, natural science, English composition and humanities; 4 quarter hours in mathematics, and 14 quarter hours of electives in the above areas. In this connection, the following policies have been established:

- Students who have graduated from a Florida public community college with an Associate in Arts degree shall be considered as having met the general education requirements of Florida International University.
- Students who have met the general education requirements of any institution in the State University System of Florida shall be considered as having met the general education requirements of Florida International University.
- Students who have taken their freshman and sophomore years in a college other than a Florida public community college or at an institution in the State University System of Florida may similarly receive credit for such courses shown on their transcripts as meeting the general education requirements.
- Students may be admitted before completion of an equivalent general education program provided such a program can be completed through an inter-institutional registration arrangement with a Florida public community college or through some other arrangements designed to meet individual needs.

## GENERAL ADMISSION REQUIREMENTS FOR GRADUATE STUDENTS

Graduate study at the master's level is available in the School of Education and the School of Business and Organizational Sciences. A description of the specific degree programs and the School's academic requirements for admission may be found in the sections describing their respective activities.

Students seeking admission into graduate programs must meet the minimum standards set forth by the Florida Board of Regents. These requirements are:

- A bachelor's degree or equivalent from a regionally accredited university or college.
- A "B" or better average in all work attempted while registered as an upper division student for the baccalaureate degree, OR a total score (quantitative plus verbal) of 1,000 or higher on the Graduate Record Examination or an equivalent score on some other measure specified by the University.

*An applicant who does not have a "B" average on his upper level work is required to present a score of 1,000 on the Graduate Record Examination (School of Education) or 450 on the Admission Test for*

*Graduate Study in Business (School of Business and Organizational Sciences).*

*Grades earned at institutions with non-traditional grading systems will be given every consideration at Florida International University. Applicants will not be at a disadvantage; rather, they will be treated equally with students who present grades from institutions with traditional grading systems.*

**NOTE:** All graduate applicants to Florida International — regardless of previous grade-point average — are required to submit the appropriate aptitude test scores. If applying to the School of Education, the required test is the Aptitude Test (quantitative and verbal section) of the Graduate Record Examination; if applying to the School of Business and Organizational Sciences, the Admission Test for Graduate Study in Business.

It is possible for an applicant who fails to meet these criteria, but who shows “unusual promise for success” in a graduate program to be admitted on a PROVISIONAL BASIS.

Currently, the Florida Board of Regents, following Legislative directives, has established quotas for graduate enrollment for each of the State Universities. Accordingly, some applicants who meet the requirements and are qualified may have to be denied admission for the particular quarter in which they are primarily interested.

## **REGULAR ADMISSION PROCEDURE FOR UNDER-GRADUATES AND GRADUATES**

Applications for admission may be obtained from the Director of College and School Relations, Florida International University, Tamiami Trail, Miami, Florida, 33144. Completed application forms should be returned to the Director of Admissions, Florida International University, Tamiami Trail, Miami, Florida, 33144.

The application for admission and all supporting credentials must be on file with the Admissions Office before a final decision can be made regarding the eligibility of an applicant. The following credentials are required by the Florida Board of Regents for admission:

**Application for Admission:** A fifteen dollar (\$15) non-refundable application fee must accompany the completed application form. The deadline for accepting applications each quarter is contained in the University Calendar at the beginning of this catalog.

**Completed Academic Record:** Official transcripts must be forwarded to the Office of Admissions by the Registrar of all college-level institutions attended. It is the responsibility of the applicant to initiate requests for necessary transcripts (including final transcripts) from post-secondary institutions attended.

**NOTE:** Transcripts must be received not later than 15 days preceding the first day of classes.

**Student Health Form:** All students must complete a student health form. Forms will be supplied after students are formally admitted to the University.

## **GENERAL ADMISSION REQUIREMENTS FOR INTERNATIONAL STUDENTS – UNDERGRADUATES AND GRADUATES**

Florida International University is desirous of attracting qualified students from outside the continental United States, especially those students from Latin America. An international student must meet the regular admission requirements and, in addition, present acceptable scores on TOEFL (Test of English as a Foreign Language) except where the student's native language is English. Interested students should write to the Director of College and School Relations requesting an Application for Admission and all information and materials relative to the admission process. An Application for Admission should be submitted to the Director of Admissions at least six months prior to the desired entering date. Except in unusual circumstances, all required supporting credentials **must** be submitted at least three months prior to the desired entering date.

### **TRANSFER CREDIT**

All college-level academic courses successfully completed at an accredited college or university will be considered for transfer credit at Florida International University. Students who earn an Associate in Arts degree at a Florida public junior college will be credited with at least 90 quarter hours (60 semester hours) toward a baccalaureate degree. Other students will have their transcripts evaluated, and such credit as is applicable toward the degree being sought will be granted. (See Limitations on Transfer Credit under heading, Academic Regulations.)

## **Registration**

### **DEGREE SEEKING STUDENTS**

After official notification of acceptance to the University, students will be eligible to register for classes. Notification of procedures for registration will be mailed to students.

### **SPECIAL (NON-DEGREE SEEKING) STUDENTS**

The Special Student classification is primarily designed for men and women living in the Greater Miami areas who are not interested at the time of registration in working toward a degree at Florida International University. The following regulations will apply to those registered as Special Students:

- A Special Student is not required to meet the usual admission requirements of the University. As such, a Special Student is not

officially admitted to the University and registration as a Special Student in no way implies future admission as a regular, degree-seeking student.

- A Special Student is required to complete a Non-Degree Registration Form each quarter.
- Registration is on a space-available basis, and is completed on Change Day or at the first meeting of the class.
- Credits earned as a Special Student will not be counted toward a degree at Florida International unless the student involved subsequently applies for regular admission and is accepted as a graduate or undergraduate student.
- The number of credits earned in the Special Student category which may be applied toward a degree is limited as follows:
  - Graduate Level . . . . . 15 credit hours
  - Undergraduate Level Work . . . . . 20 credit hoursIf a Special Student is in due course admitted to a degree program, the credit earned (within the limits above) may apply toward a degree, if in the judgment of the Dean of the School involved (or his designee) the course(s) is germane to the degree sought and the performance was at an acceptable level.
- A Special Student who desires to change to a regular, degree-seeking student must apply for admission to the Office of Admissions.
- Regular rules of scholarship will apply to Special Students.
- A Special Student is not assigned a faculty advisor; however, advice concerning particular courses is available from the Office of the Dean of the School or College in which the course(s) is offered.

## ACADEMIC RECORDS

The academic record of a student is confidential. Official transcripts are sent only at the written request, or with the prior consent or signed release of a student. The only information that will be released without the student's permission is name, dates of attendance, and degree(s) awarded, if any.

## VETERAN'S INFORMATION

The Office of Registration and Records will assist students eligible for veterans' benefits during their enrollment at the University. Any student in doubt concerning his eligibility should contact this office to avoid any loss of veterans' eligibility and benefits. Veterans who desire personal counseling should contact the Office of Student Services.



# Academic Regulations

## CREDIT

The word **credit** as used in this catalog refers to one quarter hour.

## DEGREE REQUIREMENTS

Florida International University will confer the **Baccalaureate Degree** when the following conditions have been met:

- Certification by the Dean of the College/School concerned that all requirements of the degree being sought have been completed.<sup>1</sup>
- Recommendation of the Faculty of the College/School awarding the degree.
- Successful completion of a minimum of 180 credit hours.
- Completion of the last 45 credit hours at Florida International University.

Florida International University will confer the **Master's Degree** when the following conditions have been met:

- Certification by the Dean of the College/School concerned that all requirements of the degree being sought have been completed.
- Recommendation of the faculty of the College/School awarding the degree.
- Successful completion of 90 quarter hours for degrees requiring two years of work and 45 quarter hours for those requiring one year of work.

**NOTE:** Normally, a minimum of 35 quarter hours must be completed at Florida International University for a 45-quarter-hour program and 75 quarter hours for a 90-quarter-hour program.

## GRADING SYSTEMS

The Florida Board of Regents has approved two grading systems for Florida International University.

- An ABC/NO CREDIT system is used in the College of Arts and Sciences, School of Business and Organizational Sciences, School of Hotel, Food and Travel Services, and School of Technology.
- An HONORS Credit (HC), CREDIT (CR), NO CREDIT(NC) system is used in the School of Education, the School of Health and Social Services and the Division of Independent Studies.

**NOTE:** The HC grade is not utilized in all courses.

## HC/CR/NC GRADING SYSTEM

CR – Student demonstrated all competencies required for successful completion of the course.

HC – Student excelled in demonstrating all competencies required in the course.

NC – Student has not demonstrated all competency required for successful completion of the course.

AU – Student took course for zero credit hours.

WI – Student withdrew from University during quarter.

**NOTE:** There are no quality point values for the grades in the HC/CR/NC grading system.

## ABC/NC GRADING SYSTEM

C – Student achieved the level of knowledge and skill required.

B – Student achieved at a higher level than required.

A – Student achieved at a significantly higher level than required.

NC – Student has not achieved the knowledge and skill required.

AU – Student took course for zero credit hours.

WI – Student withdrew from University during quarter.

**NOTE:** There are no quality point values for the grades in the ABC/NC grading system.

The overall objective of both systems is to enhance the climate of teaching and learning at Florida International by placing primary emphasis on **rewards** for obtaining knowledge and skills – not on the penalty for failure to do so. Neither system views as productive the recording of the small gain of knowledge and skills usually signified by a “D” grade and accepted as “passing.” And, in both systems, failure “F” is eliminated as a meaningful record of performance (or lack of performance). Lack of performance is recorded as No Credit (NC) performance.

The **NC** grade does not mean a course was failed. Rather it indicates, regardless of reason, that the student has not achieved the level of knowledge and skill required by the instructor in charge of the course. Some of the reasons for the **NC** grade may be as follows:

- 1) Student dropped course because his course load was too heavy.
- 2) Student became ill, and dropped course because he got too far behind.
- 3) Student was advised by his course instructor (or faculty advisor) to take more time than a normal quarter to complete the requirements of the course.
- 4) Student stopped attending the course because he did not like it.
- 5) Student performance was below that required for a **CR** or **A, B, C** grade.

**NC** grades are removed from student records when the work is completed to the satisfaction of the instructor in charge.

## ACADEMIC SUSPENSION

Academic suspension at Florida International is based on **rate of progress**. In traditional A, B, C, D, F quality-point-based grading systems, academic suspension is based on **failure**, usually some arbitrary, fixed-point such as quality-point deficits. Although there is not a fixed-point for academic suspension, there is a specific point at which a student is required to have an **Academic Progress Conference**. The purpose of this conference is to provide an opportunity for the student and his faculty advisor to take an in-depth look at the student's lack of progress and to determine, to the extent possible, the reason(s) involved. The Academic Suspension regulations are as follows:

- A student will be suspended from the University when it is determined that he is not making satisfactory progress toward his educational objectives. The decision to suspend a student will not be determined by some arbitrary fixed point such as a specific number of **NC** grades. Rather, such a decision will be made by a faculty-administrative committee within the College or School in which the student is enrolled.
- Any time a student's rate of progress shows that he has not received grades of A, B, C, CR or higher in at least 50% of the credit hours attempted (at Florida International University), he is **required** to have an Academic Progress Conference with his advisor. This rule applies after 25 or more credit hours have been attempted.
- The results of the Academic Progress Conference will be reported to the faculty-administrative committee within the College or School in which the student is enrolled. The committee will then render one of the following decisions: (a) student may continue without restrictions; (b) student may continue with restrictions; or (c) student is suspended from the University.

## TWO DEGREES

More than one baccalaureate degree may be awarded by the University to students who have satisfied the requirements.

Graduates from accredited four-year institutions who apply for admission to work toward a second degree at Florida International must meet the requirements of the major department which shall include a minimum of **30** quarter hours of course work.

## CLASSIFICATION OF STUDENTS

Students will be classified by the Department of Registration and Records as follows:

**Junior:** Through 134 quarter hours credit.

**Senior:** 135 or more quarter hours credit, but no baccalaureate degree earned at Florida International University or elsewhere.

**Post-Baccalaureate:** Any student enrolled in graduate-level courses who has earned a baccalaureate degree but is not admitted to a Graduate program.

**Graduate:** Any student admitted to a Graduate program.

**Special Student:** Any non-degree seeking student enrolled in undergraduate or graduate level courses.

In terms of credit-hour-load, students are classified as full-time according to the following minimum schedule:

	<b>Undergraduate</b>	<b>Graduate</b>
Fee-Assessment purposes	9 quarter hours*	9 quarter hours*
Credit-Hour Loads	10 quarter hours*	10 quarter hours*
Selective Service	12 quarter hours	
Veterans Benefits (full allowance)	12 quarter hours	12 quarter hours
Veterans Benefits (¾ allowance)	9 quarter hours	9 quarter hours
Veterans Benefits (½ allowance)	6 quarter hours	6 quarter hours

\*NOTE: Part-time students are those taking less than the figure indicated.

## CLASS LOADS

A typical course load for full-time undergraduate and graduate students is 15 quarter credits; however, a student is considered full-time in terms of a credit-hour load if he is taking at least 10 quarter hours. The University imposes no general restrictions on the upper limit of course loads; however, a course load of more than 20 quarter hours must be approved by the student's faculty advisor and Dean (or his designee).

## FINAL EXAMINATIONS

While the University calendar does not designate specific dates as a final examination period, final course examinations may be given at the discretion of the faculty member teaching the course.

## LIMITATIONS ON TRANSFER CREDIT

Within the framework of the regulations below, undergraduate students admitted to the University will receive credit for all work appropriate to their degree programs. Final determination regarding applicability of transfer credits accepted toward the fulfillment of degree requirements resides with the Dean of the College or School in which a student is enrolled.

- A student transferring from a four-year college may transfer up to 135 quarter hours (90 semester hours), and those transferring from two-year colleges may transfer up to 90 quarter hours (60 semester hours) toward a baccalaureate degree. In individual cases, at the discretion of the appropriate academic dean, a greater number of credits may be transferred.

- Normally, the grade of "D" will be accepted for transfer; however, such coursework in the major field is subject to review and approval by the appropriate dean.
- Normally, credit from non-accredited institutions will not be accepted; however, such credit, when presented, will be considered on an individual basis by the appropriate College or School.
- Credit from military schools will be considered for transfer in accordance with the recommendations of the American Council on Education.
- Credit from foreign institutions will be considered on an individual basis. Credit will be granted for all work which is applicable toward the degree being sought.

## COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

The CLEP examinations are designed to measure knowledge in certain subject matter areas of General Education. Two types of tests have been prepared to perform the desired function: The General Examinations and the Subject Examinations.

Because CLEP credit is regarded in the same category as transfer credit, no matter how earned, the maximum transferability of credit under CLEP, both General and Subject examinations combined, is 45 semester (or 67.5 quarter) credits.

Not more than six semester (or nine quarter) credits are to be transferred in each of the five areas of the General Examinations (English, Humanities, Mathematics, Natural Sciences, Social Sciences—History).

**NOTE:** A student who desires additional information on CLEP should contact the Admissions Office.

## CREDIT BY EXAMINATION

Credit by examination (other than CLEP) is available for certain courses. A student who has already gained knowledge of subjects offered at the University and who wishes to take an examination in lieu of taking the course should contact his faculty advisor.

## READMISSION

Returning students who (1) have been dismissed from the University, (2) withdrew during a previous term of attendance, or (3) have been out of school for one quarter or more must submit an application for re-admission to the Office of Records and Registration. This application should be submitted at least one month prior to the beginning of the term for which readmission is desired. Re-admitted former students are subject to retention requirements in effect at the time of re-entrance. Students claiming classification as Florida residents must

also re-establish their eligibility for this classification when applying for re-admission.

Any student who attempts college work at some institution other than Florida International University (including correspondence work) must have official transcripts sent to the Office of Admissions. The University reserves the right to refuse re-admission to any student who has an unsatisfactory academic, conduct, or health record.

## **WITHDRAWAL FROM THE UNIVERSITY**

A student who wishes to leave the University during the quarter for any reason whatsoever must make arrangements with the Division of Student Services prior to withdrawal. Students may not drop all courses; they must officially withdraw from the University. A statement indicating withdrawal from the University will appear on the transcript of a student who withdraws from the University during the quarter. If the student withdraws without making proper arrangements, a grade of "NC" will be assigned in all courses for which he is registered.

## **DROPPING COURSES**

A student may drop a course within the first two weeks of a quarter (for exact date, see University Calendar) without receiving a grade or having the course appear on his permanent record. After this date, all courses for which a student is registered will appear on the transcript with a grade.

## **TRAVELING SCHOLAR PROGRAM**

The University participates in a traveling scholar program which enables a graduate student to take advantage of special resources available on another campus but not available on his own campus: special course offerings, research opportunities, unique laboratories, and library collections.

A traveling scholar first must be recommended by his graduate advisor, who will approach an appropriate faculty member at the possible host institution in regard to a visiting arrangement. After agreement by the student's advisor and the faculty member at the host institution, graduate deans of both institutions will be fully informed by the advisor and have the power to approve or disapprove. A student will register at the host institution, and will pay tuition and/or registration fees according to fee schedules established at that institution. Credit for the work taken will be recorded at the home university.

Each university retains its full right to accept or reject any student who wishes to study under its auspices. A traveling scholar will normally be limited to one quarter (semester) on the campus of the host institution. A traveling scholar accepted by the host institution will be regarded as being registered at that institution for the period during which he is a traveling scholar.

A traveling scholar is not entitled to displacement allowance, mileage, or per diem payments. The home university, however, may at its option continue its financial support of the traveling scholar in the form of a fellowship or graduate assistantship with any work obligation to be discharged either at the home or at the host institution.

## Fees And Refunds

Fees at Florida International will be the same as those at the other State Universities in Florida. **THEY ARE SET ANNUALLY BY THE LEGISLATURE AND ARE SUBJECT TO CHANGE.** As a guide, the fees established for the 1972-73 academic year are:

<b>APPLICATION FEE</b> (One time charge — non-refundable)		<b>\$15</b>
<b>ON-CAMPUS COURSES</b>		
Full Time (9 credit hours or more):	<b>Per Quarter</b>	<b>Per Year (3 quarters)</b>
Florida Undergraduates	\$190	\$ 570
Non-Florida Undergraduates	\$540	\$1,620
Florida Graduates	\$240	\$ 720
Non-Florida Graduates	\$590	\$1,770
Part Time (Students scheduling less than 9 quarter hours — per credit hour per quarter):		
	<b>Florida Resident</b>	<b>Non-Fla. Resident</b>
Undergraduate	\$ 16	\$ 43
Graduate	\$ 20	\$ 47

(A \$25 Late Registration Fee is charged for students who fail to preregister and/or fail to complete registration at officially designated times. (See Academic Calendar 1973-74 in front of catalog.) )

### **OFF-CAMPUS COURSES** (Division of Continuing Education)

All Students — per credit

hour per quarter:

Undergraduate	\$ 19	\$ 46
Graduate	\$ 23	\$ 50

### **EXTERNAL DEGREE PROGRAM (DIVISION OF SPECIAL PROGRAMS)**

1. Application fee of \$15, non-refundable.
2. Initial counseling, curriculum development, contract planning, fee of \$350; due upon receipt of acceptability into the program.
3. Second and each additional year, \$100.
4. Classroom enrollment in courses requires additional regular full or part-time fees, which vary depending on the number of hours taken and the institution in which courses are taken.
5. Billing ends when the student has completed the requirements for the degree.

## PART TIME

Undergraduate or graduate students carrying fewer than nine (9) credit hours are classified as part-time students.

## ASSESSMENT OF REGISTRATION FEES POLICY

Fees charged are based on the classification of a student as Florida or non-Florida, full-time or part-time, graduate or undergraduate.

Students who register as juniors, or seniors will be assessed the undergraduate registration fee.

Students who register for graduate course work but who have not been admitted as graduate students will be assessed the undergraduate registration fee.

A regularly enrolled full time student may audit courses without payment of an additional fee. Others must pay the same fee as if a course is being taken for credit.

## REFUND OF FEES

The following policy will be followed in granting refunds:

**APPLICATION FEE:** Board of Regents policy states that no refund is to be given for the application fee. The fee is forfeited when an applicant fails to enroll within one academic year from the term for which he originally applied.

**REGISTRATION FEE:** A full refund of the Registration Fee will be granted the student upon his approved withdrawal at any time prior to the end of the official "drop and add" period.

No refund of fees will be granted the withdrawing student after the end of the official drop and add period, except those qualifying under the following circumstances:

- Involuntary call to active duty of the student into the Armed Forces of the United States.
- Death of the student.
- Illness of the student so severe that it prevents completion of a program for which registered. A doctor's certificate of this illness is required.

A fixed charge of \$43.00 per full-time student or 13% of amount of fees for part time student will be deducted from those withdrawing under these provisions. (SUBJECT TO CHANGE if fees are revised by the Legislature.)

No refund will be made under this policy except upon proper application through the Cashier's Office (forms are available at the Cashier's Office).

– ALL FEES SUBJECT TO CHANGE –



## **CLASSIFICATION OF STUDENTS FOR TUITION PURPOSES – FLORIDA OR NON-FLORIDA**

Policy relating to classification of students for tuition purposes is as defined in the Board of Regent's Operations Manual for The State University System of Florida:

### **FLORIDA STUDENT DEFINITION**

For the purpose of assessing registration fees, students shall be classified as Florida and non-Florida. A Florida student is a person who shall have resided and had his domicile in the State of Florida for at least twelve (12) months immediately preceding the first day of classes of the current term.

In applying this policy, "student" shall mean a person admitted to the institution. If such person is a minor, it shall mean parents, parent, or legal guardian of his or her person.

The word "minor" shall mean a person who has not attained the age of 21 and whose disabilities of minority have not been removed by reason of marriage or by a court of competent jurisdiction.

The word "domicile" for fee-paying purposes shall denote a person's true, fixed, and permanent home and place of habitation. It is the place where he intends to remain, and to which he expects to return when he leaves without intending to establish a new domicile elsewhere.

The word "parent" shall mean a minor's father; or mother; or if one parent has custody of his person, the parent having custody; or if there is a guardian or legal custodian of his person, then such guardian or legal custodian.

In all applications, for admission by students as citizens of Florida, the applicant, or if a minor, his parents or legal guardian shall make and file with such application a written statement under oath that such applicant is a bonafide citizen, resident, domiciliary of the State of Florida entitled as such to admission upon the terms and conditions prescribed for citizens, residents, and domiciliaries of the State.

A non-Florida student is a person not meeting the requirements above. A non-Florida student (or, if a minor, his parent or parents) after having been a resident and domiciliary of Florida for twelve months may apply for and be granted reclassification prior to the first day of classes of any subsequent term; provided, however that those students who are non-resident aliens or who are in the United States on a non-immigration visa will not be entitled to reclassification. However, for fee-paying purposes, Cuban nationals will be considered as resident aliens. Such application shall comply with the provisions above. In addition, the application for reclassification must be accompanied by a certified copy of a declaration of intention to establish domicile filed with the clerk of the Circuit Court as provided by Section 222.17 Florida Statutes.

Unless the contrary appears to the satisfaction of the registering authority of the institution at which a student is registering it shall be presumed that:

1. The spouse of any person who is classified or is eligible for classification as an in-state student is likewise entitled to classification as an in-state student.
2. A minor whose parent is a member of the armed forces and stationed in this state pursuant to military orders is entitled to classification as an in-state student. The student, while in continuous attendance, shall not lose his residence

when his parent is thereafter transferred on military orders. A member of the armed forces of the United States stationed in this state on military orders shall be entitled to classification as an in-state student while on active duty in this state pursuant to such orders.

3. No person over the age of 21 years shall be deemed to have gained residency while attending any educational institution in this State as a full-time student, as such status is defined by the Board of Regents, in the absence of a clear demonstration that he has established domicile in the State.

4. Any person who remains in this State when his parent, having theretofore been domiciled in this State, removes from this State, shall be entitled to classification as a Florida student, so long as his attendance at a school or schools in this State shall be deemed continuous. Attendance at a school or schools in this State shall be deemed "continuous" if the person claiming continuous attendance has been enrolled at a school or schools in this State as a full-time student, as such term is defined by the Board of Regents, for a normal academic year in each calendar year, or the appropriate portion or portions of such years, thereof, since the beginning of the period for which continuous attendance is claimed. Such person need not attend summer sessions or other such intersession beyond the normal academic year in order to render his attendance "continuous."

Appeal from a determination denying Florida status to any student may be initiated by the filing of an action in court in the judicial district in which the institution is located.

Any student granted status as a Florida student, which status is based on a sworn statement which is false, shall, upon a determination of such falsity, be subject to such disciplinary sanctions as may be imposed by the President of the University, which sanctions may include permanent expulsion from the State University System or any lesser penalty.

### **SPECIAL CATEGORIES**

The following categories shall be treated as Florida residents for tuition purposes:

1. Military personnel of the United States of America on active duty and stationed in Florida, including dependent members of their immediate families.

2. Veterans of the United States of America retired with twenty (20) years or more of active military service, including dependent members of their immediate families, who are in Florida at the time of retirement, or who move to Florida within one year following retirement and intend to make Florida their permanent home.

3. Full-time elementary, secondary, and junior college faculty members under current teaching contracts in the State of Florida.

4. Full-time faculty and career employees of the University System and members of their immediate families. (This is construed to exclude the spouses of students.)

To change status from non-Florida to Florida resident, a student must present to the Office of Registration and Records a copy of the Declaration of Intent to establish domicile that has been filed with the Clerk of the Circuit Court and the completed and notarized Residency Affidavit form. To claim the military exception, the student must furnish the Office of Registration and Records a

copy of the military orders showing assignment to Florida. A public school official must submit a written statement from his superior as to his public school status. A University employee must submit a statement from the Personnel Office as to his employment status.

## **PAST DUE STUDENT ACCOUNTS**

All student accounts are due and payable at the Cashier's Office, Room 210, Primera Casa, at the time such charges are incurred.

Delinquent accounts will be considered sufficient cause for cancellation of registration, as University regulations prohibit registration, graduation, granting of credit, or release of transcript for students whose account with the University is delinquent.

# GOALS OF FLORIDA INTERNATIONAL UNIVERSITY

## ■ EDUCATION OF STUDENTS

TO PROVIDE A UNIVERSITY EDUCATION FOR QUALIFIED STUDENTS WHICH (A) PREPARES THEM FOR USE IN EDUCATION, SOCIAL SERVICE, BUSINESS AND THE PROFESSIONS; (B) FURNISHES THEM WITH THE ABILITY TO BECOME EFFECTIVE MEMBERS OF THE SOCIETY; (C) OFFERS THEM AN APPRECIATION OF THEIR RELATIONS TO CULTURAL, AESTHETIC AND TECHNOLOGICAL PROGRESS.

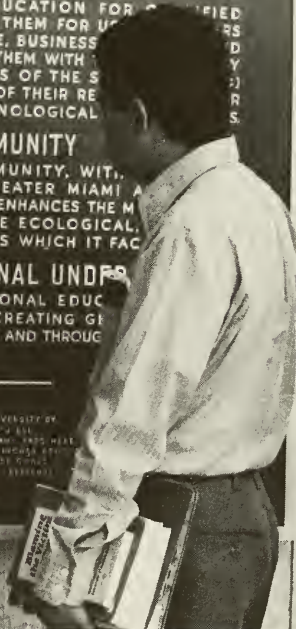
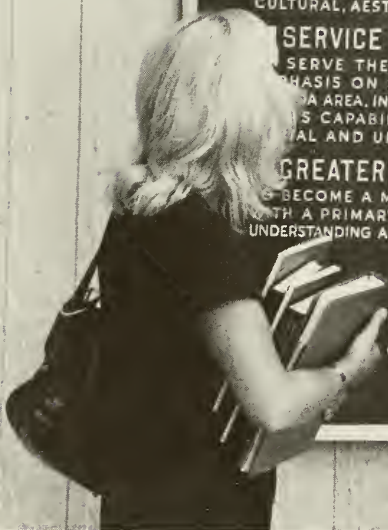
## ■ SERVICE TO THE COMMUNITY

TO SERVE THE GREATER COMMUNITY, WITH A PRIMARY EMPHASIS ON SERVING THE GREATER MIAMI AREA, IN A MANNER WHICH ENHANCES THE COMMUNITY'S CAPABILITY TO MEET THE ECOLOGICAL, ECONOMIC AND URBAN CHALLENGES WHICH IT FACES.

## ■ GREATER INTERNATIONAL UNDERSTANDING

TO BECOME A MAJOR INTERNATIONAL EDUCATIONAL INSTITUTION WITH A PRIMARY EMPHASIS ON CREATING GREATER UNDERSTANDING AMONG THE AMERICAS AND THROUGHOUT THE WORLD.

PRESENTED TO THE UNIVERSITY BY THE BOARD OF TRUSTEES OF THE UNIVERSITY OF FLORIDA AND RECEIVED IN FULL BY THE UNIVERSITY OF FLORIDA WITH THE HOPE THAT ALL WHO VISIT HERE WILL MAY SHARE IN THE PROMISE OF SUCCESS AND PROGRESS AS EXPRESSED IN THESE GOALS.



## To Serve You... The Division of Student Services

You can expect at Florida International the broad spectrum of activities and services that a progressive urban university is able to provide in a community of the size and diversity of Greater Miami.

The student activities are being designed by our students to develop their talents and to help them fulfill their potential. The activities are all factors in Florida International's "spirit of community." But the most important factor is what you as an individual bring to this spirit.

The entire university community is a center for culture, giving encouragement to creativity and expression through various mediums. Programs of music, drama and dance, and exhibits of arts and crafts, reflecting Florida International's urban and international orientation, contribute to the University's mission of fostering better understanding. Guest speakers, focusing on today's pressing problems, are scheduled on a regular basis to enable you to "rap with the newsmakers."



*Dean Sandra J. Clark*

## ORGANIZATIONS

Clubs and honoraries, centered around various academic disciplines, are being organized. You also have the opportunity to develop organizations that further social and service programs, promote and supervise student welfare, and coordinate and implement community-student cooperation. Below is a partial list of organizations established or being established to date:

Accounting Association	Nurses, International Association of University
Art Association	Occult Society
Black Student Union	Operation Amigo
Campus Crusade for Christ	Politics (name to be determined)
Chess Club	Pre-Law Club
Circle "K" Organization	Psychology, Association for Humanistic
Criminal Justice Association	Psychology Club
Cuban CPA and Student Association	Publications, Student Action
Delta Sigma Pi	Literary Magazine
Dramatics Society	Newspaper, Florida International
Economics and Business, International Association of Students of	Social Fraternities (Greek)
Federacion de Estudiantes Cubanos	Social Work, Student Association
Films — Student Committee for the Visual and Performing Arts	Student Government Association
Hosts, Florida International	Travel Club
Jewish Social Organization	Universal Catalyst
Kenko-Juko (Karate Club)	Vets Aiding Vets
Le Club Francaise	Women's Club
Marketing Association, American	Yoga Society
Meditation Society, Students International	Young Democrats
MENSA	Young Republicans

## PUBLICATIONS

Publications by and for the students are being initiated. In furthering Florida International's program of linking practice with theory, the publications program is one of the ways for students to gain experience in journalism outside the classroom. At the opening of the University in 1972, students took steps to launch a newspaper, a literary magazine and several publications of specific clubs. Other publications are being implemented by student groups.

## SPORTS AND RECREATION

Recognizing that intellectual growth and physical vigor are not incompatible but necessary to the total development of the individual, Florida International provides you with opportunities to participate in a wide range of physical activities. Taking maximum advantage of South Florida's beautiful year-round weather, the Division of Health, Physical Education, Recreation and Athletics has developed programs in four areas — recreation activities, and intramural, club and varsity sports.

Available to you are tennis courts, outdoor handball and paddleball courts, multi-purpose recreation fields, a conditioning room, and numerous off-campus

facilities such as bowling alleys and golf courses.

Intramural sports include touch football, softball, basketball, table tennis, badminton, track and field – and many others. An intramural handbook lists all the opportunities.

Among the popular club sports are judo, cross country, track, basketball, scuba diving, bowling, fencing and horseback riding. These clubs are intercollegiate in nature, and coaches are on hand to help you meet the competition.

Women's intercollegiate sports include volleyball, softball, tennis and golf. The men's varsity program encompasses soccer, wrestling, baseball, tennis, golf and lacrosse.

If you wish further information on any of these activities, you are urged to contact the Division of Health, Physical Education, Recreation and Athletics.

## **GOVERNANCE**

As a student at Florida International you are encouraged to participate in the governance of the University. The essential thrust of the University's philosophy is to structure an effective governance program that truly represents the students, the faculty and the staff in developing the institution's policies.

The governance of Florida International is intended to reflect common goals, and to bring honest differences of opinion out into the open when such exist. Through coordinated action and cooperation, the ingenuity of students can be an effective force in serving the total University community. Your concerns will be considered within the framework of the total governance of the University because students will be represented on all major University governing councils and committees which are established.

Faculty and staff of Florida International actively seek to learn your desires and needs, which represent a major consideration in the decision-making process at the University. At the same time, to enhance "two-way" communication, it is important that you also give consideration to the views of faculty and staff as the "University family" works together to meet the basic goals of the institution.

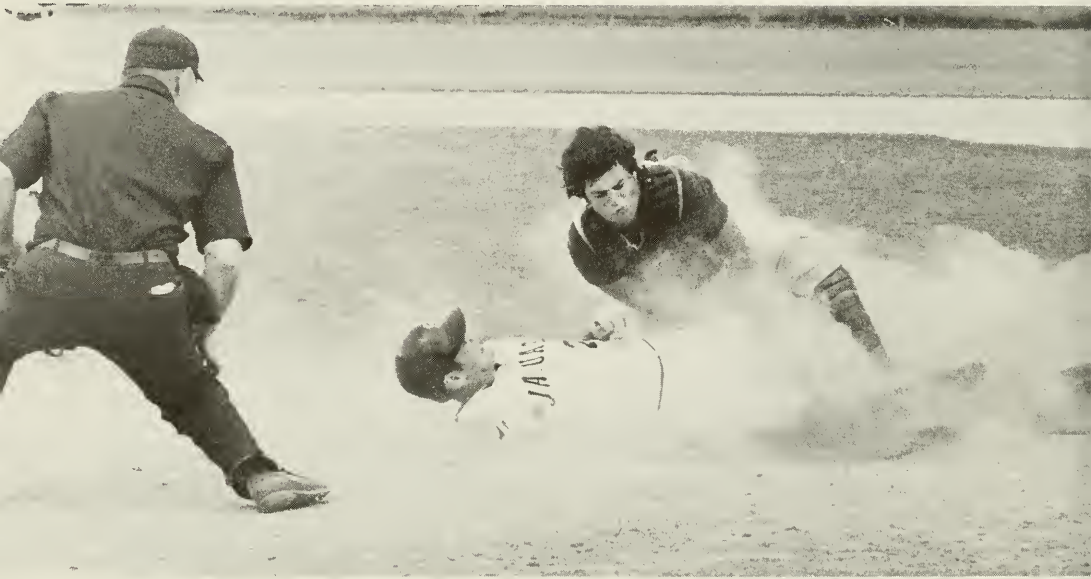
A student selected committee of twelve members has drafted the initial student governance document. The total student population will have an opportunity to vote and implement this document this year.

## **STUDENT HEALTH CARE**

The health services at Florida International are designed to supplement the normal health care of our totally non-resident population and are adequately prepared to provide emergency health care for anyone becoming injured or ill while on campus.

Our emergency health clinic on campus is staffed by a registered nurse from 8:00 a.m. to 9:00 p.m., Monday through Friday, and 24-hour emergency medical services are available through a medical clinic near the campus.

All full fee paying students are automatically covered with a \$1,000 blanket accident insurance policy upon payment of their fees. All students can elect





additional personal insurance coverage at low group rates through our Student Health Insurance Program. Options include \$2,500 major medical accident and illness coverage, and a maternity benefit clause. Information regarding this coverage will be mailed to you after you enroll in the University.

## **HANDICAPPED STUDENTS**

Special arrangements have been made at Florida International to serve the needs of those of you who have physical handicaps. Buildings include elevator and ramp facilities as stipulated by federal regulations for the handicapped, and a limited special parking area is provided.

## **FOOD SERVICE**

Food and beverage service is available on the campus in Primera Casa. A wide selection of foods will be provided for you in the University Center when it opens in 1973-74.

## **OFFICE OF COLLEGE AND SCHOOL RELATIONS**

The Office of College and School Relations is dedicated to serving the public by informing them about Florida International University. The office simplified the communication process for prospective students by being a major information source regarding future enrollment in the University. Applications and catalogs are distributed through this office.

The Office of College and School Relations also acts as a liaison office between the University and the Florida Community Colleges, working closely with academic advisors, counselors, and instructors.

## **FINANCIAL AID**

Florida International has an extensive program of Student Financial Aid which includes scholarships, grants, loans and employment. The program is based primarily on the principle that financial aid depends on need, and each case is given individual attention by the University's Financial Aid Office in the Division of Student Services. Limited scholarship and loan programs are available for students with special academic and activity skills. Students seeking financial assistance at Florida International should contact the Office of Financial Aid.

## **HOUSING**

Housing is of your own choice. Florida International does not provide on-campus housing, but the University does provide assistance in locating housing. For lists of available housing contact the Division of Student Services.

## **TRANSPORTATION**

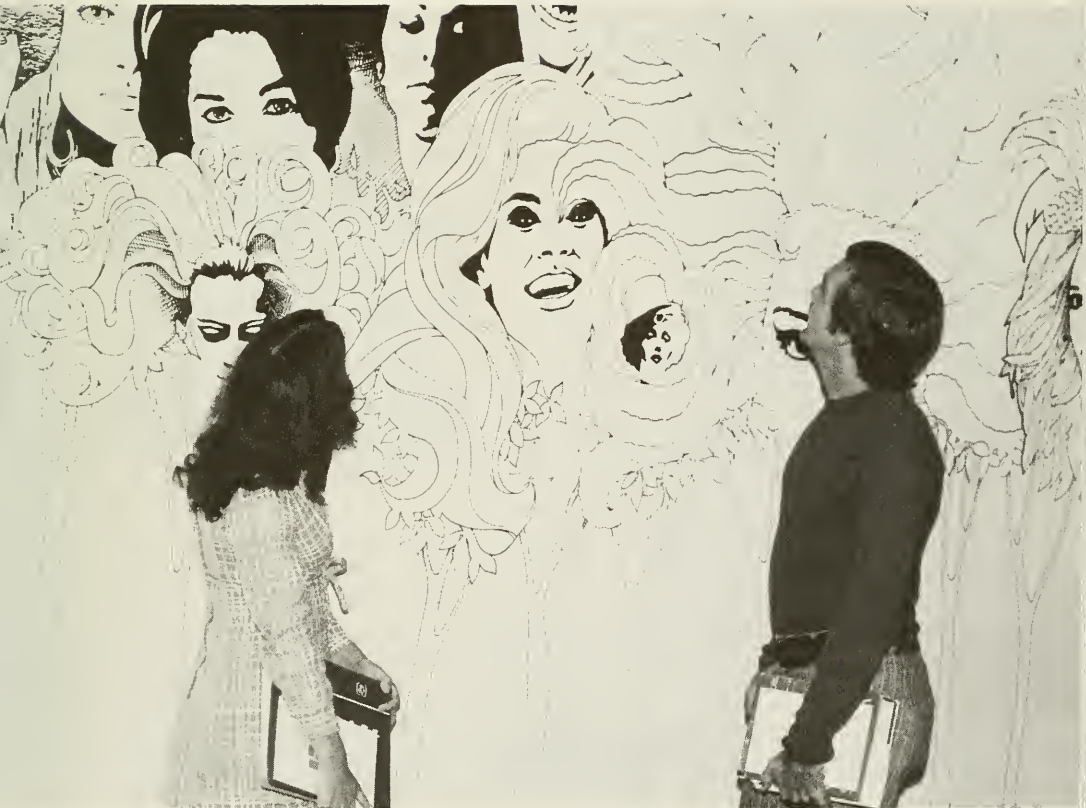
There is ample parking space for automobiles on campus. In addition, connecting bus service to the campus is provided by the Metropolitan Transit Authority.

## **COUNSELING SERVICES**

A variety of special advising and counseling is provided by a range of qualified professional staff. Individualized assistance is provided for International Students, Veterans and the Handicapped in addition to regular students experiencing difficulty with career choice and personal growth which might require psychological help or testing.

## **CAREER PLANNING AND PLACEMENT**

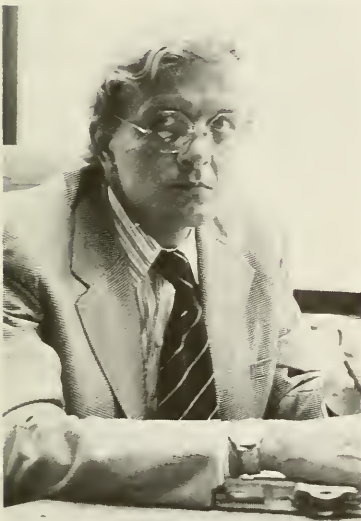
It is not the intent of Florida International to hand you a diploma and forget you. The University provides continuous career planning and placement service to help you achieve your career goals. These goals – and the qualifications for attaining them – may change. Work internships and a variety of career conferences help keep you abreast of the changes. You may need to take updating courses, and in this, too, the University can be of service. If the University provides the needed services while you are enrolled and after you have graduated, then we will have made significant progress toward one of our goals – to be of lifelong service to you.



## Meaning of Symbols

Seasonal quarters in which courses are offered are indicated by "F, W, S or SS" – Fall, Winter, Summer or Summer School. In most cases where the term is not designated, the course will be offered in the 1974-75 academic year. In some cases, however, the quarter in which a course will be offered in 1973-74 has not been determined. As some changes will also be made, the student interested in a particular course should check with his adviser. Credit hours are designated immediately following the titles of courses.

## College of Arts and Sciences



*Dean Butler H. Waugh*

The faculty of the College of Arts and Sciences, committed to the three basic goals of the University (Education of Students, Service to the Community, and Increased International Understanding), recognizes its central role in furthering these goals. In addition to providing the sources of theoretical knowledge upon which the various schools of the University build, the College of Arts and Sciences has the special and primary responsibility of offering all students an atmosphere and environment in which they can exercise free inquiry directed to an understanding of the nature of the universe and their role in it.

Even though the above is a large responsibility, it is no more than what should be the responsibility of university faculties now and in the past. To preserve from the past that of greatest value to the present and to encourage a critical evaluation of projected goals, individually and collectively, are objectives in the best interest of both the student and the society in which he lives. The College of Arts and Sciences, therefore, offers courses and programs essential to the development of the individual student and to the advancement of society's collective intellectual resources. Thus, the College, while providing a wide range of specialized studies, also enables the student to explore areas of general concern regarding man and his history, his environment and his creativity — in short, those concerns which, when carefully attended to, mark the truly educated man or woman.

Simply stated, the College of Arts and Sciences is committed to quicken-

ing and enlarging the intellectual capacities of the members of the University family and the community and to preserving and disseminating the results of all serious intellectual inquiry. To facilitate these goals, the College will:

- Provide, at the junior and senior level, the highest quality instruction leading to the baccalaureate degree in the arts and in the sciences, not merely by transmitting skills and knowledge, but by developing the ability to think, to respond to ideas, and to test hypotheses and interpret human experience anew.
- Offer curricula whose flexibility not only permits but encourages divisional, cross- and inter-departmental programs, thereby allowing students to develop courses of study suited to their individual needs and goals.
- Provide, under the heading of the Liberal Studies Curriculum, a variety of programs and opportunities which will lead to a college-wide major in Liberal Studies.
- Develop curricula and programs in conjunction with the various professional schools of the University and with the community which will directly serve the pre-professional interests of those who envisage a career in any area of public service.
- Afford the counsel and guidance for devising innovative courses of study suited to individual needs and provide imaginative means of evaluating such programs.
- Offer opportunities, both in specified College courses and in special programs to gain an immediate acquaintance with non-native cultures and practices.
- Develop study and research directed to the advancement and application of knowledge, and make discoveries on the frontiers of knowledge available to students and community.
- Serve as the intellectual and cultural catalyst for the University, its students and community by means of special programs, lectures, art, drama, and music.

## ORGANIZATION

The College curriculum is arranged in the following three divisions or areas of knowledge, understanding and skills basic to any arts and science program:

*Division of Humanities* – Six departments offer instruction in courses designed to broaden awareness and understanding of man's expressional and cultural inheritance and to explore ways of making that inheritance fruitful to the future.

**English**

**Fine Arts: Music, Art, Theater**

**Modern Languages**

**History**

**Philosophy and Religion**

*Division of Social Sciences* – Five departments offer courses of instruction in these areas of knowledge which directly pertain to man's individual and collective behavior. In their various ways, these departments are all concerned

with man-the-individual as he interacts with an ever-increasing number of complex and intersecting communities and interests.

**Economics**  
**Government and Political Science**  
**Psychology**  
**Sociology and Anthropology**  
**International Relations**

*Division of Natural and Applied Sciences* — Five departments offer instruction in the sciences of living organisms, matter and energy, and the complementary disciplines related to number and space configurations.

**Mathematics and Statistics**  
**Biology**  
**Chemistry**  
**Geography, Geology, Meteorology**  
**Physics**

## **ADMISSION**

Students holding an Associate in Arts or Associate in Science degree from the community college level will be admitted to programs of study of their choice. The College will serve those who are, for a variety of reasons, unable to enroll directly in certain schools or programs of the University. The College will provide compensatory educational experiences to enable such students to meet the course, credit, or degree requirements of the Schools.

### **Program of Study for ANTHROPOLOGY AND SOCIOLOGY MAJORS**

Anthropology is part of the Department of Sociology and Anthropology and all information should be obtained from that department's office.

#### **Lower Division Preparation:**

Ninety quarter hours (60 semester hours) or the AA degree from a community college (work should be pre-Arts and Sciences), or pre-Anthropology or Sociology if such programs exist. If the student does not have an AA degree, his background must reflect an ability to handle advanced academic work.

The quarter hours of lower division course work should include the following:

#### **Required Courses:**

Introduction to Cultural Anthropology, or  
Introduction to Physical Anthropology, or  
Introduction to Sociology

**Recommended Courses:**

Other Anthropology or Sociology courses.

Other Social Science courses (Ecology, Economics, Geography, History, Political Science, Psychology).

Other Arts and Sciences courses (Arts, Biology, English, Foreign Language, Mathematics, Philosophy).

**Florida International University Program of Study:****Program Requirements:**

60 quarter hours in departmental major

30 quarter hours in electives

**Required Courses:**

Sixty quarter hours in the departmental major will be divided as follows:

<b>Core Courses:</b>	20 quarter hours
Anthropological Theories	(ASC 301)
Sociological Theories	(ASC 302)
Research Methods	(ASC 303)
Ethical Issues in Social Science Research	(ASC 304)

**Area Courses:** 40 quarter hours

For a concentration in anthropology, a mix of 25 quarter hours of anthropological and 15 quarter hours of sociological course work is recommended.

For a concentration in sociology, a mix of 25 quarter hours of sociological and 15 quarter hours of anthropological course work is recommended.

**Electives:** 30 quarter hours

Electives need the approval of your faculty advisor.

A course in introductory statistics is strongly recommended for students concentrating in sociology.

Students with special interests may consult faculty advisors for individualized programs.

**Field Work Experience:**

A meaningful understanding of anthropology and sociology can best be developed through the interplay of theory and research. Each student will be encouraged to work outside of the formal classroom under faculty supervision.

**ANTHROPOLOGY****Core Courses****ASC 301 – ANTHROPOLOGICAL THEORIES (5)**

This course examines the process of theory building and explanation in the social sciences and outlines the historical and philosophical



foundations of anthropological thought. Theorists and schools of thought reviewed include Darwin and evolution, Boas and historical particularism, Freud and culture and personality, and Malinowski and functionalism.

**ASC 302 – SOCIOLOGICAL THEORIES (5)**

Examines the emergence of sociology as the study of social relations. Compares and contrasts the work of selected theorists with respect to their methodologies, treatment of the emergence and consequences of modern society, political sociology, conception of social class and analysis of the role of religion in society. The student is expected to gain in-depth knowledge of opposing theories as well as an appreciation of the contingent nature of sociological theories.

**ASC 303 – RESEARCH METHODS (5)**

An introduction to the scientific method and its application to anthropological and sociological research. Topics include formulation of research problems, research design, field methods and collection of data, hypothesis testing and interpretation of results.

**ASC 304 – ETHICAL ISSUES IN SOCIAL SCIENCE RESEARCH (5)**

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**ANT 300 – INTRODUCTION TO SOCIAL SCIENCE (5)**

An introduction to anthropology, psychology, and sociology; a survey of the similarities and differences in history, philosophy, and goals and techniques of research in these disciplines; and a review of modern interdisciplinary efforts.

**ANT 301 – THE SCOPE OF ANTHROPOLOGY (5)**

An introductory survey of the major areas of anthropological inquiry, including social, cultural, physical and applied anthropology, as well as archeology and linguistics. An examination of the anthropological perspective.

**ANT 302 – ORIGIN AND DISPERSION OF MAN AND WOMAN (5)**

A study of the biological history of man as interpreted through the theory of evolution, anatomy and the fossil record, contemporary population genetics, and the concept of race.

**ANT 303 – ANTHROPOLOGY IN CONTEMPORARY SOCIETY (5)**

The application of classical anthropological methods and concepts to the analysis of contemporary American Culture. Investigation of a unique cultural scene will involve the student in field work and the preparation of an ethnographic report.

**ANT 304 – MAKERS OF MODERN ANTHROPOLOGY (5)**

The craft of anthropology is explored through the work and writings of such well-known anthropologists as Ruth Benedict, L.S.B.

Leakey, Claude Levi-Strauss, Oscar Lewis, Margaret Mead and Robert Redfield. Designed for non-majors; majors may enroll for elective credit only.

**ANT 305 – SOCIAL BIOLOGY (5)**

An examination of the biological bases for human adaptation and socio-cultural interaction.

**ANT 325 – KINSHIP AND SOCIAL ORGANIZATION (5)**

Topics will include the comparative study of systems of kinship, social organization and politics in preliterate societies. Age and sex differences, division of labor, class, caste, slavery and serfdom will also be explored.

**ANT 326 – MYTH, RITUAL AND MYSTICISM (5)**

A survey of anthropological approaches to the study of myth, ritual and mysticism as religious and symbolic systems. The social and psychological functions of myth and ritual in primitive and complex societies will be compared.

**ANT 327 – PEASANT SOCIETY (5)**

Comparative study of peasant societies with emphasis on the concepts of folk community, traditional culture, and modernization. Data on peasantry in Latin America and other culture areas will be reviewed.

**ANT 328 – MOVEMENTS OF REBELLION AND REVITALIZATION (5)**

Crosscultural study of revolutionary, messianistic, and revitalization movements in tribal and peasant societies. Case materials include Negro slave revolts, cargo cults, and peasant wars of the twentieth century (Mexico, China, Vietnam).

**ANT 335 – URBAN ANTHROPOLOGY (5)**

Anthropological study of urbanization and urban life styles with particular emphasis on rural-urban migration and its impact on kinship groups, voluntary associations and cultural values.

**ANT 336 – SOCIAL AND CULTURAL CHANGE (5)**

A theoretical and applied analysis of cultural innovation and institutional change. Crosscultural case studies will be utilized.

**ANT 337 – CULTURE AND PERSONALITY (5)**

The relationship between culture and personality; problems of individual adjustment to cultural norms; and current issues in psychological anthropology.

**ANT 338 – LANGUAGE AND CULTURE (5)**

An examination of the relationship between language and culture, the implications of language for our perceptions of reality, and the

socio-cultural implications of language differences for interethnic relations and international understanding.

**ANT 355 – MEDICAL ANTHROPOLOGY (5)**

A survey of basic concepts; examination of preliterate and nonwestern conceptions of physical and mental health and illness; emphasis on cultural systems approach to the study of illness and health care. Background in biology, medicine, or nursing helpful; instructor's permission required.

**ANT 365 – CULTURAL ECOLOGY (5)**

Systems of interaction between man and his environment; the role of social, cultural and psychological factors in the maintenance and disruption of ecosystems; interrelations of technological and environmental changes.

**ANT 366 – MALE AND FEMALE: SEX ROLES AND SEXUALITY (5)**

Crosscultural ethnographic data will be utilized to examine the enculturation of sex roles, attitudes and behavior; cultural definitions of maleness and femaleness; and varieties of human sexual awareness and response.

**ANT 385 – UTOPIAS AND INTENTIONAL COMMUNITIES (5)**

A case study examination of historical and contemporary attempts to develop the "ideal" social setting for human interaction. The community study approach in anthropology will serve as the theoretical basis for this course.

**ANT 400 – APPLIED ANTHROPOLOGY (5)**

The theory and practice of applied anthropology; cultural factors and planned community change; implications of case data for public policy. Emphasis will be placed on the processes of economic development and culture change in developing nations.

**ANT 401 – EDUCATION AND SOCIALIZATION (5)**

A crosscultural examination of educational and socialization processes, their functions in the larger society, and the value systems they transmit.

**ANT 403 – RACIAL AND CULTURAL MINORITIES (5)**

The study of selected ethnic and cultural groups with particular emphasis on patterns of interethnic and intercultural relationships. Minority groups studied will include Afro-Americans, American Indians, Chicanos, Cubans, women, senior citizens or prisoners.

**ANT 411 – THE RURAL POOR: MIGRANTS, SHARECROPPERS  
AND TENANT FARMERS (5)**

The decline of the family farm and the rise of corporate agribusiness; the life styles of migrants, sharecroppers and tenant farmers; the farm labor movement and farmer cooperatives; government policy and the rural poor.

**ANT 412 – CULTURE AND POVERTY (5)**

Cultural patterns among the poor; current cultural models utilized in the study of poverty; and the impact of cultural models on anti-poverty programs and public policy.

**ANT 415 – THE ORGANIZER (5)**

A study of men who have inspired mass organizations and brought about major social and cultural transformations. The organizing styles of Christ, Gandhi, Hitler, Mao Tse-Tung, and Martin Luther King will be examined. The relationship between culture content and organizational symbols will be analyzed.

**ANT 420 – CULTURES OF THE CARIBBEAN (5)**

An ethnological survey of native cultures and of the processes of culture contact and conflict in the Caribbean and Circum-Caribbean region.

**ANT 421 – LATIN AMERICA (5)**

Native cultures of Mexico, Central and South America; the lowland hunters and gatherers and the pre-Columbian Inca and Aztec Empires; the impact of the Spanish conquest.

**ANT 422 – CUBAN CULTURE AND THE REVOLUTION (5)**

Culture history of Indian, African and Spanish populations; the Revolution and traditional Cuban society; and the problems and prospects of the Cuban community in the United States.

**ANT 423 – AFRO-AMERICAN ANTHROPOLOGY (5)**

Interdisciplinary study of Afro-American cultures of the New World. Topics include cultural patterning, Black English, ethnomusicology, socio-economic adaptations, black culture and ghetto ethnography.

**ANT 424 – THE AMERICAN SOUTH:**

**A REGIONAL SUBCULTURE (5)**

A course designed to provide an understanding of the Southern regional subculture. Discussion topics will include an analysis of the sociocultural characteristics attributed to this region.

**ANT 425-426-427-428-429 – AREA STUDIES (5)**

Ethnological survey of selected indigenous cultures. Areas to be studied include: (1) North America; (2) Africa; (3) Asia or Southeastern Asia; (4) China. Topics will be announced and will vary depending on current staff.

**ANT 466 – STUDIES IN TRANSPERSONAL PHENOMENA (5)**

The data on transpersonal phenomena such as psychic healing, trance induction, ESP, and expanded consciousness will be reviewed and related to the cultural settings in which they were collected.

**ANT 475 – EXPLORATIONS IN VISUAL ANTHROPOLOGY (5)**

An examination of the use of film in anthropology both as a method of ethnographic documentation and as a research technique for analyzing nonverbal modes of communication. Documentary films and crosscultural data on paralanguage, kinesics, proxemics and choreometrics will be reviewed and discussed.

**ANT 485 – CULTURE SHOCK: THE YEAR 2000 (5)**

An investigation of future patterns of culture; an analysis of the concepts of culture lag, culture change, culture shock and future shock; review of conceptual models for projecting the shape of post-industrial society and the relationship of man to his environment in the year 2000.

**ANT 486 – ANTHROPOLOGY OF WAR AND VIOLENCE (5)**

**ANT 501 – COMMUNITY ACTION RESEARCH SEMINAR (5)**

Seminar will focus on the application of social science data gathering techniques to the analysis and resolution of community issues such as urban planning, environmental quality, and corporate/consumer accountability. Open to majors only. ASC 303 or permission of the instructor required.

**ANT 511-512-513-514-515 – TOPICS IN ANTHROPOLOGY (5)**

Special courses dealing with advanced topics in the major anthropological subdisciplines: (1) social and cultural anthropology; (2) applied anthropology; (3) physical anthropology; (4) linguistics; and (5) archeology. Instruction by staff or visiting specialists. Topics to be announced. Instructor's permission required. May be repeated.

**ANT 522 – ANTHROPOLOGY FOR EDUCATORS (5)**

A course designed to provide educators, particularly at the secondary level, with an overview of anthropology as a discipline; its role in a social science curriculum; methods for designing and teaching anthropology courses; and sources of bibliographic and audio-visual aids.

**ANT 555 – CULTURAL FACTORS IN  
HEALTH CARE DELIVERY (5)**

Topics studied include the varieties of subcultural perceptions of and responses to illness; formal and informal healing systems; the indigent patient; and the design of health care delivery services in a multicultural area. Prerequisite: Medical Anthropology course or permission of the instructor required.

**ANT 556-557 – DRUG USE AND ABUSE:  
A CROSSCULTURAL PERSPECTIVE (5)**

A crosscultural examination of the socio-cultural and pharmacological factors involved in drug use, abuse and rehabilitation. Case materials from tribal and contemporary societies will be analyzed.

**ANT 565 – HUMAN BIOLOGY AND CULTURAL BEHAVIOR (5)**

The study of animal social behavior and the relevance of these ethological studies for the analysis of human development and socio-cultural behavior.

**ANT 591 – DIRECTED INDIVIDUAL STUDY (Variable) (F,W,S,SS)**

Supervised readings and/or field research and training. May be repeated.

**ANT 592 – DIRECTED FIELD RESEARCH (Variable) (F,W,S,SS)**

**Program of Study  
for  
ART MAJORS**

**Lower Division Preparation:**

As a part of the 90 quarter hours (60 semester hours) of lower division course work necessary to enter this upper division major, the following recommendations and/or requirements should be noted:

**Required Courses:**

- |                       |                     |
|-----------------------|---------------------|
| 1. Art Survey         | 6 (Semester Hours)  |
| 2. Drawing and Design | 12 (Semester Hours) |
| OR                    |                     |

A portfolio of drawing and design to be presented during the first advisement session and reviewed by the art faculty.

**Recommended Courses:**

- |             |                |
|-------------|----------------|
| Painting    | Photography    |
| Sculpture   | Jewelry        |
| Printmaking | Weaving        |
| Ceramics    | Cinematography |

**Remarks:** Students without an Associate in Arts Degree or lacking proficiency in drawing and design will be expected to take more than 90 quarter hours to complete the degree.

**Florida International University Program of Study**

**Required Courses:**

- |                                  |                         |
|----------------------------------|-------------------------|
| ARH 585 (Contemporary Art)       | 5 quarter hours         |
| Art History Elective             | 5 quarter hours         |
| Studio Art (Minimum in one area) | 20 quarter hours        |
| Studio and Art History Electives | 30 quarter hours        |
| Electives                        | <u>30 quarter hours</u> |
|                                  | <b>90 quarter hours</b> |

## ART

- ARH 305 – SURVEY OF THE CONTEMPORARY ARTS (5)** (F,S)  
A survey of the most recent developments in the fields of the visual arts, architecture, music, theatre, film, etc.; lectures, films, speakers. Open to all students.
- FIA 305 – INTRODUCTION TO 2D STUDIO ART (5)** (F,W,S)  
The student is encouraged to experience as broad a spectrum as possible; from drawing to relief printing and painting; from traditional anatomy and perspective to pure design in the contemporary sense. Open to all students.
- FIA 306 – INTRODUCTION TO 3D STUDIO ART (5)** (W,S)  
A broad area of study in most of the three dimensional areas; modeling, carving, plastics, welding and wood. Open to all students.
- FIA 315-515 – DRAWING (5-5)** (F,W,S,SS)  
Drawing will be considered as an essential part of every art student's curriculum. Depending on his lower level work, a student will be encouraged to take at least one drawing course at the University. Must be taken along with another studio course. Off-campus studio work may be arranged. (May be repeated)
- FIA 316 – FIGURE DRAWING (5)** (F,W,S,SS)  
Drawing from the model during assigned studio time. Open to all students (may be repeated).
- FIA 325-525 – PAINTING (5-5)** (F,W,S,SS)  
A study through the use of slide projections and individual criticism of the student's work. Any media on flat canvas up to painted, fabricated sculpture may be used. Off-campus studio work may be arranged. (May be repeated)
- FIA 335-535 – SCULPTURE (5-5)** (F,W,S)  
With a background in beginning sculpture, the student will develop standards of excellence both in concept and technique, along the lines of the greatest individuality possible. An equipped shop will be available to the student. (May be repeated)
- FIA 337-537 – JEWELRY AND METALS (5-5)** (F,W,S)  
A study of basic metal techniques and strengthening of three-dimensional design concepts for the beginner. The advanced student will explore conceptual and technical possibilities of an individual metal. A shop will be available for students. (May be repeated)
- FIA 345-545 – PRINTMAKING (5-5)** (F,W,S)  
With a knowledge of basic etching and relief printing, the art student

will explore a specific media such as etching, lithography, silk-screen, etc., in an off-campus studio. Studio and instructor must be approved by the Art Department faculty. (May be repeated)

**FIA 355-555 – PHOTOGRAPHY (5-5) (F,W,S)**

With a knowledge of beginning developing, printing and use of a camera, the art student will pursue his own direction with a heavy emphasis on individual approach, print quality, use of equipment and criticism in an off-campus studio. Studio and instructor must be approved by the Art Department faculty. (May be repeated)

**FIA 357 – INTRODUCTION TO FILMMAKING (5)**

For the beginning student of filmmaking. Survey of the origins and development of cinematography as an art form. Presentation and technical analysis of selected films.

**FIA 358 – FILM PRODUCTION I (5)**

Conceptual study of total-filmmaking. Equipment, procedures, locations, sets, actors, and production staff will be examined from the point of view of the director. Student will conceptualize, shoot and edit a short film. (Prerequisite: FIA 357 or permission of the instructor. May be repeated.)

**FIA 365-565 – CERAMICS (5-5) (F,W,S)**

The student will explore all aspects of human expression in clay and glaze. Students are expected to be largely self-directed. An equipped studio will be available to all students. (May be repeated)

**FIA 385-585 – DIRECTED STUDY (5-5) (F,W,S,SS)**

A group of students, with the approval of the Art Department faculty, may select a master artist teacher and pursue a course of art study in selected areas such as glass, graphic design, film, multi-media, environmental design, sound, etc. Arrangements must be made at least a quarter before course is offered. (May be repeated)

**FIA 395-595 – RESEARCH (1-5) (F,W,S,SS)**

Students may study or research an individual art project with an art faculty member. Complexity and amount of work will determine the number of hours. (May be repeated)

**FIA 375 – BASIC ART IN CHILDHOOD EDUCATION (5) (F,W,S,SS)**

A study of drawing, printmaking, painting and crafts as they relate to children.

**ARH 515 – AFRICAN ART (5) (W)**

Lectures, slides, visitors and student research will be used.

**ARH 525 – PREHISTORIC AND ANCIENT ART (5)**

Lectures, slides, visitors and student research will be used.



- ARH 535 – GREEK AND ROMAN ART (5)** (W)  
Lectures, slides, visitors and student research will be used.
- ARH 545 – MEDIEVAL ART (5)**  
Lectures, slides, visitors and student research will be used.
- ARH 555 – RENAISSANCE ART (5)** (F)  
Lectures, slides, visitors and student research will be used.
- ARH 565 – 17th-19th CENTURY ART (5)** (S)  
Lectures, slides, visitors and student research will be used.
- ARH 567 – AMERICAN ART (5)** (W)  
Lectures, slides, visitors and student research will be used.
- ARH 576 – MODERN ART (5)**  
Lectures, slides, visitors and student research will be used.
- ARH 585 – CONTEMPORARY ART (5)** (F,S)  
Lectures, slides, visitors and student research will be used.

### Generalized Program of Study for BIOLOGICAL SCIENCES MAJORS

#### Lower Division Preparation:

As a part of the 90 quarter hours (60 semester hours) of lower division course work necessary to enter this upper division major, the following recommendations and/or requirements should be noted:

#### Required Courses:

General Biology	8 semester hours
General Chemistry	8 semester hours
General Physics	8 semester hours
Mathematics, including Analytical Geometry	6 semester hours

#### Recommended Courses:

Foreign Language	Calculus	Organic Chemistry
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**Remarks:** Six (6) semester hours above the introductory level in biology may be counted toward the upper division major.

#### Florida International University Option in General Biology: \*

#### Required Courses:

BSC 341 Genetics	5 quarter hours
BSC 301 Biochemistry	7 quarter hours

BSC 302 Molecular and Cell Biology	7 quarter hours
BSC 401 Development Biology	7-9 quarter hours
Biological Sciences	
Electives**	15 quarter hours
Chemistry 301,***	10 quarter hours
Mathematics: One course beyond Analytical Geometry	5 quarter hours
Electives	29 quarter hours
TOTAL	90 quarter hours

\*Options in Environmental, Special Biology and Biomedical Sciences in Preparation.

\*\*BSC 380 and 480 are not applicable to this requirement.

\*\*\* Recommended: CHE 302

### Special Programs

#### 1. A. B. (With Honors)

- Requirements:
- Admission to program by permission of the Department.
  - Program of study arranged in consultation with faculty adviser.
  - Completion of Undergraduate Honors Thesis.

#### 2. Pre-professional Curricula.

Programs of study satisfying requirements for admission to colleges of Medicine, Dentistry and Veterinary Medicine arranged in consultation with Faculty Adviser. CHE 302, CHE 311, and MAS 301, BSC 336 or BSC 401 are recommended.

#### 3. M. A. in Biological Sciences in preparation.

## BIOLOGICAL SCIENCES

### **BSC 300 – SCIENCE AND SOCIETY (3) (S)**

Interdepartmental course on social problems related to the impact of science and technology on the biological and urban environment.

### **BSC 301 – BIOCHEMISTRY (7) (W)**

Introduction to the chemistry of proteins, carbohydrates, lipids and their constituents. Principles of enzymology and metabolism. Prerequisite: CHE 220 (MDJC) or CHE 301.

### **BSC 302 – MOLECULAR AND CELL BIOLOGY (7) (S)**

Nucleic acid chemistry and Molecular Genetics; biosynthesis of protein and nucleic acids, structure and function of the cell. Core Course required of majors in Biological Sciences. Prerequisite: BSC 301 or Equivalent.

- BSC 306 – BIOLOGICAL BASIS OF HUMAN SEXUALITY (5) (S)**  
 The physiological development of the human organism as a sexual being will be treated with a review of the psycho-social and psycho-sexual basis of human personality. Patterns of adult sexual behaviour will be explored with emphasis on achieving healthy human sexual attitudes.
- BSC 310 – GENERAL MICROBIOLOGY (7) (W)**  
 Introduction to the principles and techniques of microbiology, genetics, taxonomy, biochemistry and ecology of microorganisms.
- BSC 320 – TOPICS IN TROPICAL BOTANY (5) (W)**  
 Survey of representatives of major plant families of the tropics. Examination of selected adaptive characteristics of plants in the tropical ecosystems. Introduction to spices and economically significant tropical plants.
- BSC 321 – THE ALGAE (5) (F)**  
 Taxonomy, morphology, physiology and ecology of the algae. Lecture, conference, field trips and laboratory.
- BSC 331 – THE INVERTEBRATES (5) (S)**  
 Taxonomy, anatomy, development, physiology and ecology of major invertebrate phyla excluding insects. Emphasis on marine invertebrates. Lecture, conference, field trips and laboratory. May be repeated for credit.
- BSC 332 – GENERAL ENTOMOLOGY (5)**  
 Taxonomy, development, morphology and distribution of insects. Ecology and economic problems. Lecture conference and laboratory.
- BSC 333 – GENERAL ICHTHYOLOGY (5) (W)**  
 Taxonomy, distribution, development, anatomy and physiology of fresh water and marine fish. Lecture, conference, field trips and laboratory. May be repeated for credit.
- BSC 334 – AMPHIBIANS AND REPTILES (5)**  
 Comparative studies in distribution, development, anatomy and physiology of amphibians and reptiles. Lecture, conference, field trips and laboratory. May be repeated for credit.
- BSC 335 – BIRDS AND MAMMALS (5)**  
 Taxonomy, distribution and natural history of birds and mammals. Lecture, conference, field trips and laboratory. May be repeated for credit.
- BSC 336 – EMBRYOLOGY (7) (S)**  
 Animal morphogenesis. Lecture and laboratory.

- BSC 337 – TOPICS IN MARINE BIOLOGY (5) (W)**  
Selected problems in the biology of marine organisms. Lecture and field trips.
- BSC 338 – HISTOLOGY (7) (S)**  
Microscopic anatomy of cells, tissues, and organs. Lecture and laboratory.
- BSC 341 – GENETICS (5) (F)**  
Mendelian inheritance and introduction to molecular genetics.
- BSC 348 – ELEMENTARY NEUROBIOLOGY (5)**  
Survey of anatomy and physiology of invertebrate and vertebrate nervous systems, sensory physiology. Introduction to methods of study of neural function. Lecture, conference and laboratory.
- BSC 349 – BIOLOGICAL FOUNDATIONS OF BEHAVIOUR (5)**  
Biological basis of behaviour emphasizing neural and hormonal mechanisms of integrated behaviour. Lecture, conference, library or laboratory projects.
- BSC 360 – GENERAL ECOLOGY (5) (W)**  
Introduction to the study of the interaction of organisms with their environment. Lecture, conference, field trips.
- BSC 365 – INTRODUCTION TO PLANT PHYSIOLOGY (5) (F)**  
Fundamental of plant growth considering such topics as growth reactions to environmental stimuli, endogenous growth hormones, and practical modifications of plant life cycles.
- BSC 370 – MEDICAL BIOCHEMISTRY (4) (S)**  
Fundamentals of biochemistry course applied to medical problems required in Allied Health curricula. Lecture and laboratory.
- BSC 371 – MEDICAL BIOCHEMISTRY (4)**  
Continuation of BSC 370
- BSC 372 – HUMAN ANATOMY AND PHYSIOLOGY (5) (S)**  
Required course in Medical Technology curriculum. Lecture and laboratory.
- BSC 373 – HUMAN ANATOMY (5) (F)**  
Required course in Physical Therapy and Occupational Therapy. Lecture and demonstration.
- BSC 374 – HUMAN PHYSIOLOGY (5) (F)**

- BSC 375 – MEDICAL PARASITOLOGY (4)** (F)  
Required course in Medical Technology curriculum. Lecture and laboratory.
- BSC 376 – IMMUNOLOGY AND GENETICS (4)** (S)  
Course required in Medical Technology curriculum. Lecture and laboratory.
- BSC 377 – NEURAL SCIENCE (3)** (W)  
Course required in Medical Technology curriculum. Lecture, laboratory, and demonstration.
- BSC 380 – PROJECT LABORATORY (5-8)** (W,S,SS)  
Independent laboratory study in a project or projects of the student's choice. Registration by consultation with instructor. May be repeated for credit.
- BSC 384 – HISTORY AND PHILOSOPHY OF SCIENCE (5)** (S)  
Philosophies of science with emphasis on Biology. Problems in contemporary ethics with reference to the impact of science and technology on society.
- BSC 386 – COMPUTER APPLICATIONS TO BIOLOGY (5)** (S)  
Elementary instruction in the analysis of data from biological systems. Each student will be assigned a project. Lecture, conference and computer laboratory.
- BSC 401 – DEVELOPMENTAL BIOLOGY (7)** (F)  
The development of organisms. Mechanisms of cell differentiation and morphogenesis. Comparative aspects of embryology and morphology in plants and animals. Lecture, conferences and laboratory. Core course required of major in Biological Sciences. Prerequisite: BSC 302.
- BSC 402 – TECHNIQUES IN  
DEVELOPMENTAL BIOLOGY (2)** (W)  
Experimental analysis of differentiation and morphogenesis. Registration limited to 12 students. Prerequisite: BSC 401 Laboratory.
- BSC 404 – BIOPHYSICS (6)**  
Topics in biophysics. Effect of radiation on biopolymers and microorganisms. Muscle contraction, transport across membranes, bioluminescence. Lecture, conference and laboratory.
- BSC 407 – BIOCHEMISTRY (6)**  
Chemical reactions and macromolecular properties of proteins, nucleic acids and polysaccharides. Genetic and evolutionary aspects of protein structure. Lecture, conference and laboratory.

**BSC 408 – BIOCHEMISTRY II (6)**

Comparative biochemistry: Metabolism and regulation of metabolism in microorganisms, plants, and animals, mechanisms of enzyme reactions. Lecture, conference and laboratory.

**BSC 411 – VIROLOGY (5)**

Principles and methods of study of bacterial plant and animal viruses. Molecular aspects of viral development, virus pathogens and carcinogens. Lecture, conference and laboratory.

**BSC 421 – MYCOLOGY (5)**

(S)

Taxonomy, morphology, physiology and ecology of the fungi. Lecture, conference and laboratory.

**BSC 432 – BIOCHEMISTRY AND PHYSIOLOGY  
OF INSECTS (5)**

Comparative studies in development, anatomy and physiology of insects. Lecture, conference, and laboratory. May be repeated for credit.

**BSC 442 – MOLECULAR BIOLOGY LABORATORY (5)**

Analytical, physical and biochemical methods in the study of nucleic acids; phage and microbial genetics, tissue culture. May also be taken as a project laboratory.

**BSC 445 – PHOTOBIOLOGY (5)**

Study of basic photochemical mechanisms as they occur in molecular biological processes such as plant growth, animal vision and behavior, and radiation damage.

**BSC 446 – IMMUNOCHEMISTRY AND IMMUNOBIOLOGY (5)**

Chemistry of antibodies, antigens, serological reactions and complement fixation. Discussion of the biosyntheses of antibodies. Lecture, conference and laboratory.

**BSC 451 – HUMAN SYSTEMIC PHYSIOLOGY (5)**

(W)

Selected topics in mammalian and human physiology.

**BSC 472 – MICROBIOLOGY (5)**

Course required in Dietetics and Nutrition curriculum. Lecture and laboratory.

**BSC 489 – CURRENT TOPICS IN BIOLOGY (5)**

Lecture and discussions dealing with current problems of major significance in Biology.

**BSC 490 – INDEPENDENT STUDY AND SEMINAR (5)**

Independent library projects and written reports. Reports may be presented orally in Department Seminar.

- BSC 491 – HONORS THESIS (5-10)**  
Independent research project to satisfy the Honors requirement.  
Registration by admission to the program.
- BSC 495 – SUMMER QUARTER IN BIOLOGY (12)**  
As BSC 395.
- BSC 541 – CELL BIOLOGY (5) (F)**  
Cell structure and function, cell organelles and membranes mitosis and meiosis.
- BSC 542 – TOPICS IN DEVELOPMENTAL BIOLOGY (5) (W)**  
Mechanisms of cellular development and differentiation in plant and animal morphogenesis.
- BSC 548 – NEUROBIOLOGY I (5)**  
Comparative neuroembryology, gross and microscopic neuro-anatomy of invertebrates and vertebrates. Lecture, conference, and laboratory.
- BSC 549 – ADVANCED NEUROBIOLOGY II (5)**  
Comparative neurophysiology, biophysical basis of action and resting potential, synaptic transmission. Neural coding, integration in sensory and motor systems. Neurophysiological basis of behaviour. Lecture, conference and laboratory.
- BSC 565 – PLANT PHYSIOLOGY AND BIOCHEMISTRY (5) (W)**  
Advanced topics emphasizing on transport, plant hormones, tropisms and photosynthesis. Lecture, conference and laboratory.
- BSC 583 – BIOLOGY FOR TEACHERS (5) (S,SS)**  
Survey of areas in biological sciences emphasized in K-12 education. Principally for continuing education programs. Course design in collaboration with practicing teachers in the Miami area. Topics vary, and the course may be repeated for credit.
- BSC 585 – TEACHING EXPERIENCE (5) (W,S,SS)**  
Supervised lecture, conference and laboratory instruction. Student will develop a topic for presentation in a departmental course at the 300 and 400 level. Registration by consent of instructor.
- BSC 604 – BIOPHYSICS (5) (S)**  
Enzyme kinetics; behaviour of macromolecules in solutions. Interaction of macromolecules with small molecules, aggregation and self assembly of subunits. Lecture, conference, laboratory and computer laboratory.
- BSC 649 – SENSORY PHYSIOLOGY (5)**  
Integration mechanisms by the central nervous system and by endocrines, as they affect behaviour. Lecture, conferences, and reports.

- BSC 661 – ADVANCED ECOLOGY (5)**  
Advanced aspects of ecology. Topics offered may vary in succeeding quarters. Conference, field work, laboratory and computer laboratory. May be repeated for credit.
- BSC 663 – EVOLUTION (5)**  
Evolution of living matter from simple organic compounds. Lecture, conferences and reports.
- BSC 680 – PROJECT LABORATORY (5)** (F,W,S,SS)  
As BSC 380.
- BSC 686 – COMPUTER APPLICATIONS TO BIOLOGY (5)** (S)  
Advanced computer programming in biological sciences. Modeling of biological systems of varying complexity.
- BSC 690 – SEMINAR IN BIOLOGICAL SCIENCES (5)** (F,W,S,SS)  
Seminars presented by graduate students in specialized areas of biological sciences. Course provides opportunities for students to gain experience in extraction, evaluation and oral presentation of information from the biological literature. May be repeated for credit.

## Program of Study for CHEMISTRY MAJORS

### Bachelor of Arts Degree:

The program outlined below for the degree of Bachelor of Arts in Chemistry is designed for those students preparing for careers in medicine, dentistry, environmental studies, veterinary medicine, secondary science education and business management. This program includes a solid background in chemistry while allowing ample opportunity for elective courses.

### Lower Division Preparation:

As part of the 90 quarter hours (60 semester hours) of lower division courses, completion of the following is **required for admittance** into the program:

General Chemistry	10 semester hours
(including Qualitative Analysis)	or equivalent
Algebra and Trigonometry	
General Biology	
(Required <b>only</b> for those students interested in pre-Medicine, pre-Dentistry, pre-Veterinary Medicine)	



**Required Courses which may be taken at Florida International:**

Differential and Integral Calculus	10 quarter hours
Organic Chemistry I, II	14 quarter hours
Physics (with at least one quarter of laboratory)	12 quarter hours

**Upper Division Courses to be taken at Florida International:**

Organic Chemistry III (CHE 403)	7 quarter hours
Physical Chemistry for Life Sciences (CHE 311)	5 quarter hours
Physical Chemistry Laboratory (CHE 325)	2 quarter hours
Quantitative Analysis (CHE 312)	5 quarter hours
One additional chemistry course	5 quarter hours

**Bachelor of Science Degree:**

This program is constructed along guidelines published by the American Chemical Society (ACS) and would thus constitute an ACS accredited program. It leads to a B.S. degree in Chemistry and would prepare the student for graduate work or a professional career as a chemist in industry, government service or college teaching.

**Lower Division Preparation:**

As part of the 90 quarter hours (60 semester hours) of lower division courses, completion of the following is **required for admittance** into the program:

General Chemistry (including Qualitative Analysis)	10 semester hours or equivalent
Algebra and Trigonometry	

**Required Courses which may be taken at Florida International:**

Differential and Integral Calculus	10 quarter hours
Organic Chemistry I, II	14 quarter hours
Physics with Calculus (with at least one quarter of laboratory)	12 quarter hours

**Upper Division Courses to be taken at Florida International:****Required Chemistry Courses:**

Organic Chemistry III (CHE 403)	7 quarter hours
Physical Chemistry I, II, III Thermodynamics (CHE 321)	5 quarter hours
Equilibrium and Properties of Solutions (CHE 322)	5 quarter hours
Quantum Mechanics and Quantum Chemistry (CHE 323)	5 quarter hours

Physical Chemistry	
Laboratory (CHE 325)	5 quarter hours
Quantitative Analysis (CHE 312)	5 quarter hours
Modern Analytical Chemistry (CHE 312)	5 quarter hours
Inorganic Chemistry (CHE 431)	5 quarter hours
Senior Seminar and/or	
Independent Study	5 quarter hours

**Other Required Courses:**

Introduction to Computers I (MAS 311)	5 quarter hours
Differential Equations (MAS 325)	5 quarter hours

**Recommended Chemistry Courses:**

Two additional senior level chemistry courses.

**Pre-professional Curricula:**

Programs of study satisfying requirements for admission to colleges of Medicine, Dentistry and Veterinary Medicine arranged in consultation with Faculty Advisor. CHE 302, CHE 311, BSC 336 or BSC 401 are recommended.

## CHEMISTRY

**CHE 301 – ORGANIC CHEMISTRY I (7) (F,S)**

An introduction to chemical bonding and atomic structure theory as it pertains to the chemistry of carbon compounds. Correlation between structure and reactivity of organic molecules followed by a systematic look at the various reaction types using reaction mechanisms as a tool for study. Laboratory will provide an introduction to the basic tools and techniques of the organic chemist.

**CHE 302 – ORGANIC CHEMISTRY II (7) (W,SS)**

Continuation of CHE 301. Laboratory will provide the student with the opportunity to investigate reactions discussed in the lecture.

**CHE 303 – BIO-ORGANIC CHEMISTRY (5) (S)**

Chemistry of naturally-occurring organic compounds of biological importance. The relationship between organic chemistry and the chemical reactions which constitute the living organism.

- CHE 305 – INTRODUCTION TO PHYSICAL CHEMISTRY I (7) (F,S)**  
 Fundamental principles of physical chemistry: atomic and molecular structure, chemical bonding, thermodynamics. This course is primarily designed for the student who feels that his background in general chemistry is somewhat weak and who would like to go on to organic chemistry or more advanced biology courses. Familiarity with algebraic manipulations is required. (Lecture and Laboratory)
- CHE 307 – INTRODUCTION TO PHYSICAL CHEMISTRY II (7) (W,SS)**  
 Continuation of CHE 305: solutions, kinetics, equilibrium, electrochemistry, chemistry of metals and non-metals. (Lecture and Laboratory)
- CHE 308 – INORGANIC CHEMISTRY FOR DIETETICS AND NUTRITION (7) (F)**  
 A qualitative survey of inorganic chemistry for those people specializing in the study of dietetics and nutrition. Prerequisite for CHE 309. (Lecture and Laboratory)
- CHE 309 – ORGANIC CHEMISTRY FOR DIETETICS AND NUTRITION (7) (W)**  
 A qualitative overview of the fundamental concepts of organic chemistry to provide a general survey of the structure, properties, and reactions of organic molecules. For those people specializing in the study of dietetics and nutrition. Not recommended for majors in chemistry, biological sciences, pre-medicine or medical technology. (Lecture and Laboratory)
- CHE 311 – PHYSICAL CHEMISTRY FOR THE LIFE SCIENCES (5) (S)**  
 Principles of Physical Chemistry with particular reference to the life sciences. Thermodynamics, equilibria, electrochemistry, and reaction kinetics. (Lecture)
- CHE 312 – QUANTITATIVE ANALYSIS (5) (W,S)**  
 A lecture-laboratory course designed to introduce the fundamentals of classical methods of quantitative chemical analysis including gravimetric and volumetric techniques.
- CHE 314 – INTRODUCTION TO INORGANIC CHEMISTRY (5) (W)**  
 Relation of atomic and molecular structures to chemical and physical properties; periodicity, introduction to nonaqueous solvents, coordination chemistry. (Lecture)
- CHE 321 – THERMODYNAMICS (5) (F,S)**  
 Fundamental principles of thermodynamics; the first, second, and third laws, free energy, entropy, kinetic theory of gases, the chemical potential, phase rule and its applications, concepts of activation energy. The first in a three-quarter physical chemistry sequence. The student must have competence in general chemistry and in mathematics through Calculus I. (Lecture)

**CHE 322 – EQUILIBRIUM, KINETICS AND  
PROPERTIES OF SOLUTIONS (5) (W)**

The second in the series of physical chemistry courses; equilibrium, the relationship of the equilibrium constant to the chemical potential, catalyzed reactions, colligative properties of solutions, osmotic pressure, dipole moments and conductivity. CHE 321 is advised as prerequisite. (Lecture)

**CHE 323 – QUANTUM MECHANICS AND  
QUANTUM CHEMISTRY (5) (F,S)**

The third in the physical chemistry series: simple quantum mechanical calculations, solutions to the Schrodinger wave equation, simple harmonic oscillator, particle in a square well, the hydrogen atom, structure of atomic and molecular orbitals. Competence in fundamental calculus, including second order differential equations, is required. (Lecture)

**CHE 325 – PHYSICAL CHEMISTRY LABORATORY (F,W,S,SS)**

The physical chemistry laboratory carries variable credit from one to five hours per quarter. Completion of eight projects in physical chemistry laboratory is the requirement for the full five hours of credit. The laboratory can be corequisite with CHE 321, 322 and 323. Reaction kinetics, calorimetry and thermal chemistry spectrophotometry, various determinations of colligative properties of solutions, analysis by gas chromatography, polarography, polarimetry and dispersion of polarized light; work with a vacuum system and gas handling. (Laboratory)

**CHE 356 – INSTRUMENTATION AND DESIGN (5) (F,W,S)**

In this course the student will work with an electronic patch kit and design such pieces of standard laboratory equipment as amplifiers, pH meters, recorders, and various regulating units. Comprehensive background in both general chemistry and general physics is advisable. (Laboratory)

**CHE 403 – ORGANIC CHEMISTRY III (7) (F,S)**

A look into more specialized areas of organic chemistry with introduction into such topics as molecular rearrangements, photochemistry, pericyclic reactions, chemistry of second-row elements, heterocyclic chemistry, synthesis, etc. One portion of the course will deal specifically with spectroscopic determination of structure. Laboratory will provide practical experience in classical and spectroscopic techniques of organic structure determination.

- CHE 405 – ADVANCED SPECTROSCOPY AND MOLECULAR STRUCTURE (5) (W)**  
Atomic structure, diatomic molecules, electronic structure, vibrational and rotational spectra, moments of inertia, dipole moments, the rotating harmonic oscillator, infra-red spectroscopy, near and far ultra-violet spectroscopy, nuclear magnetic resonance, and electron spin resonance spectroscopy. The student will work in the ultra-violet, visible, infra-red range, with atomic absorption and with fluorimetry. (Lecture and laboratory)
- CHE 406 – STATISTICAL MECHANICS (5) (S)**  
Principles of statistical mechanics, kinetic theory, energy distributions, statistical thermodynamics of ideal and real gases, chemical equilibrium. The student should be thoroughly conversant with thermodynamics and advanced calculus. (Lecture)
- CHE 407 – KINETICS AND CATALYSIS (5) (F)**  
Theory of elementary reactions, activated complex theory; mechanisms of complex reactions. Competence in fundamental calculus, including differential equations is required. (Lecture)
- CHE 412 – MODERN ANALYTICAL CHEMISTRY (5) (S)**  
A lecture-laboratory course designed to introduce modern methods of chemical analysis including colorimetry, spectroscopy, pH measurements, chromatography, atomic absorption, polarography. Specific instrumental techniques will be covered. Prerequisite: CHE 312.
- CHE 421 – ORGANIC SYNTHESIS (5) (F)**  
Use of classical and modern reactions in the design and construction of complex organic molecules – including natural products. Some topics covered will be construction reactions, refunctionalization, stereochemistry and conformational analysis. Laboratory will be devoted to individual design and synthesis of assigned compounds. All modern laboratory equipment and methods will be employed.
- CHE 422 – HETEROCYCLIC CHEMISTRY (5) (W)**  
Discussion of the concept of aromaticity and in-depth analysis of the formation, properties, and reactions of the common N, O and S-heterocycle ring systems.
- CHE 423 – ORGANIC PHOTOCHEMISTRY (5) (S)**  
A brief introduction into the phenomenon of light absorption followed by an in-depth survey of the various classes of preparative photochemical reactions as they pertain to organic systems.
- CHE 424 – NATURAL PRODUCTS CHEMISTRY AND BIOSYNTHESIS (5) (F)**  
Studies of the chemical origins (biosynthesis), properties, and synthesis of the various classes of naturally occurring compounds: terpenes, steroids, alkaloids, acetogenins.

- CHE 425 – ORGANOMETALLIC CHEMISTRY (5) (W)**  
Introduction to the chemistry of main group and transition metal compounds. Discussion will center on synthesis and structural determination as well as the utility of organometallic compounds in organic chemistry.
- CHE 426 – PHYSICAL ORGANIC CHEMISTRY (5) (S)**  
A series of topics will be discussed including molecular orbital theory as it pertains to organic molecules, kinetic and thermodynamic approaches to the study of reaction mechanisms, quantitative approaches to conformational analysis, etc.
- CHE 427 – ORGANIC STRUCTURE DETERMINATION (5) (W)**  
Practical use of NMR, infrared, ultraviolet and mass spectroscopy for the determination of structures of organic molecules and for the study of organic reaction mechanisms. (Lecture and Laboratory)
- CHE 431 – INORGANIC CHEMISTRY (5) (S)**  
Molecular structure of inorganic compounds, ligand-field theory, the metallic bond and structure of metals, crystal structure. The student should be competent in quantum chemistry. (Lecture)
- CHE 432 – ADVANCED INORGANIC CHEMISTRY (5) (F)**  
Continuation of CHE 431. (Lecture)
- CHE 491-492-493 – RESEARCH AND INDEPENDENT STUDY  
IN CHEMISTRY (5, 5, 5) (F,W,S,SS)**  
At any time the student chooses, from the beginning of his junior year on, he may work with a professor in a research area. The student should have a good grounding in general chemistry and preferably in organic chemistry and physics as well. He is encouraged to talk to a number of professors in the department and select that area with which he is most comfortable. It is anticipated that several actual publications will result. Variable credit with a maximum of 15 credits.
- CHE 495 – SENIOR SEMINAR (3) (F,W,S)**  
During the senior year, the student will present a total of two topics, prepared from current journal articles in the field of chemistry, to other chemistry major students, environmental science students, chemistry and other science faculty.
- CHE 505 – WATER AND WASTE CHEMISTRY (5) (W)**  
Analysis of mixed solutions, properties of solutions, commonly used analytical methods, properties of various water pollutants, methods of waste treatment. Student must be conversant with properties of solutions. (Lecture and Laboratory)

**CHE 506 – RADIOCHEMISTRY AND NUCLEAR CHEMISTRY (5) (S)**  
Nuclear reactions, nuclear structure and the nature of radioactivity, properties and use of radioactive isotopes, counting techniques, fission and fusion. Thermodynamics and properties of solutions are valuable precursors. (Lecture and Laboratory)

**CHE 512 – TOPICS IN ENVIRONMENTAL CHEMISTRY (5) (F,S)**  
Power generation and use, common pollutants in water and air, biogeochemical cycles, heat and energy relationships. No particular background is required. The course is especially recommended for elementary teachers. Some simple demonstrations for use in environmental studies curricula will be incorporated. (Lecture)

### **Program of Study for COMPUTER SCIENCE MAJORS**

#### **Lower Division Preparation:**

As part of the 90 quarter hours (60 semester hours) of lower division coursework necessary to enter this upper division major, the following minimum requirements and/or recommendations should be noted:

#### **Required Courses:**

Computer Programming in assembly language and some high level language

#### **Strongly Recommended Courses:**

College Algebra

**Remarks:** Unless a student has a basic education in Computer Science as demonstrated by experience or by coursework, he will be required to take Introduction to Computers I and II at Florida International University.

#### **Florida International University Program of Study:**

#### **Required Courses:**

Programming I-II – MAS 311 and MAS 312 (if no prior background)

Calculus – MAS 321 or MAS 301 and MAS 302

Statistics – MAS 322 or MAS 335 and MAS 336

Discrete Mathematics – MAS 375

The student must complete an additional 30 hours of coursework in his major area. Normally these will be in Computer Science courses, although related courses in other schools and departments may be accepted by permission. All other courses necessary to complete the 90 quarter hour requirement are free electives.

**NOTE:** Computer Science courses are listed under Mathematical Sciences.

**Remarks:** The student who is primarily interested in computer software systems or in business data processing applications would select courses such as advanced programming languages, computer hardware, systems programming, data communications, data structures, information systems, or other appropriate courses. Electives may include other courses from Mathematics, Statistics, Business, Technology, Computer Science or any other areas.

The student who is interested in mathematical and numerical techniques related to the computer should place correspondingly more emphasis on mathematics courses to supplement his Computer Science program. He may choose courses such as differential equations, numerical analysis, mathematical methods, mathematical models, operations research, optimization and mathematical programming, or other appropriate courses.

## Program of Study for ECONOMICS MAJORS

### Lower Division Preparation: -

As part of the 90 quarter hours (60 semester hours) of lower division course work to enter this upper division major, the following recommendations and/or requirements should be noted:

**Required Courses:** None

**Recommended Courses:**

Principles of Economics	6 semester hours
Social Science	3 semester hours
Humanities	6-9 semester hours
College Algebra, Trigonometry	6 semester hours
Statistics	3 semester hours

**Remarks:** Students who do not take Principles of Economics at the lower division level will be required to take Economics 301 during their first quarter at Florida International.

### Florida International University Program of Study:

**Required Courses:**

Economics	35-50 quarter hours
Mathematics	5 quarter hours
Electives	40-50 quarter hours

**Remarks:** It is recommended that students who anticipate post-graduate work in Economics or employment in public or business policy planning complete 10-quarter hours of specified quantitative method courses.

Interested students are encouraged to allocate elective hours to foreign language study.



## ECONOMICS

- ECO 301 – ECONOMICS, MAN AND SOCIETY (5)** (F,W,S,SS)  
Relationship of economics to individual and group action. Identification of economic and non-economic objectives and problems. Analysis of economic behavior of individuals, business firms, public agencies, and interest groups. Public issue interpretation in the light of economic theory.
- ECO 305 – ECONOMICS OF ADMINISTRATIVE AND CONSUMER DECISIONS (5)**  
The application of economic theory to decision-making by consumers and administrators. Demand and cost analysis (including demand forecasts); price policy of the individual firm; capital budgeting; production analysis; cost-benefit analysis for the public sector.
- ECO 306 – THE NATIONAL ECONOMIC ENVIRONMENT IN THEORY AND POLICY (5)**  
Economic analysis at the national level, including determination of aggregate income and employment, operation of the monetary system, short-term income fluctuations, long-term income growth, public policy toward business, and problems of international trade and finance.
- ECO 307 – THEORY OF PRICE (5)** (F,S)  
Operation of individual markets; market structure; theory of the firm; theory of production; demand theory; general equilibrium and welfare economics.
- ECO 308 – AGGREGATE ECONOMIC ANALYSIS (5)** (W,SS)  
Analysis of the measurement, determination, and control of aggregate economic activity; the monetary system in relation to income and employment short-term income fluctuations; long-term growth.
- ECO 310 – ECONOMICS OF THE BUSINESS ENVIRONMENT (5)** (F,W,S,SS)  
Core course for undergraduate business program. Review and extension of micro and macroeconomic analysis; market system and firm behavior; economic issues; public and private decision making; aggregate theory and policy; problems of the international economy.
- ECO 312 – DEVELOPMENT OF ECONOMIC THOUGHT (5)** (W,S)  
Evolution of economic theory and doctrine. Contributions to economic thought from ancient times to Alfred Marshall; emphasis on institutional forces shaping the continuum of economic thinking.
- ECO 313 – COMPARATIVE ECONOMIC SYSTEMS (5)** (F,S)  
Analysis of alternative economic systems of the industrialized and

emerging nations; emphasis on the comparative study of the capitalist, socialist, and communist economic systems of the modern world.

**ECO 316 – ECONOMICS OF CENTRAL AMERICA (5) (W)**

Survey of recent economic history of Central American countries dealing with the institutional background and the structure of current economic activities. Special attention devoted to current problems of economic growth and social transformation.

**ECO 319 – INTRODUCTION TO ENVIRONMENTAL ECONOMICS (5) (F,S)**

Economic principles applied to environmental problems. Relationship of market and nonmarket forces to environmental quality; development of tools for policy analysis.

**ECO 329 – ECONOMICS OF DISCRIMINATION AND POVERTY (5) (S)**

Economic and non-economic implications of discrimination on the basis of race and sex. Discrimination in the labor and commodity markets. Problems of educational training, unemployment, and personal income distribution.

**ECO 403 – THE ECONOMIC DEVELOPMENT OF CUBA –  
PAST AND PRESENT (5) (S)**

Survey of the Cuban economy under capitalist and Marxist ideologies; emphasis on the transition stage and on current policies of economic and social change.

**ECO 406 – MONEY AND BANKING (5) (F,W,S,SS)**

Elements of monetary theory; relationships between money, prices, production and employment; factors determining money supply; history and principles of banking with special reference to the United States.

**ECO 409 – ECONOMICS OF THE CARIBBEAN (5) (W)**

Survey of the economic systems of the major British, French, Dutch and Spanish areas in the Caribbean. Special attention devoted to current problems of economic growth and social transformation.

**ECO 416 – ECONOMIC DEVELOPMENT OF THE UNITED STATES (5)**

The growth of the American economy from colonial times to the present; special emphasis on the market forces, institutional arrangements, and policies contributing to this process.

**ECO 426 – ISSUES IN MONEY AND BANKING (5) (S)**

Application of monetary theory to current issues and to monetary policy.

- ECO 429 – MANPOWER PROBLEMS AND PROGRAMS (5) (W)**  
 Problems of human resource development, examination of programs for training and upgrading of workers; barriers to skill development and job entry; formulation of public policies on human resources.
- ECO 431 – INTRODUCTION TO ECONOMETRICS (5) (W)**  
 Introduction to measurement in economics; numerical evaluation of mathematical models by statistical methods; survey of classical models; scope and method of econometric analysis. (Recommended preparation: ECO 307 or 308.)
- ECO 436 – MONEY AND NATIONAL INCOME DETERMINATION (5) (W)**  
 The basic model of income determination is built emphasizing the roles of real and monetary sectors of the economy. Results of empirical work are surveyed.
- ECO 437 – THE LATIN AMERICAN ECONOMIES (5) (F)**  
 Survey of economic status and problems of Latin American nations; analysis of economic and social forces at work in Latin American development.
- ECO 455 – LAS ECONOMIAS LATINOAMERICANAS (5) (W,SS)**  
 Aspectos del desarrollo economico de los paises latinoamericanos; enfoque en las fuerzas sociales, institucionales, y del mercado y sus efectos sobre los paises en vias de desarrollo.
- ECO 460 – UNDERGRADUATE TUTORIAL (5-10) (F,W,S,SS)**  
 Supervised readings, individual tutorial, and preparation of report(s). Requires consent of faculty supervisor and department chairman.
- ECO 467 – SEMINAR ON CURRENT ECONOMIC TOPICS (5) (W,S)**  
 Faculty and student discussion of contemporary economic and social issues.
- ECO 507 – MONETARY THEORY AND POLICY (5) (W)**  
 Relationship of money supply and interest rate to economic stabilization; consideration of federal reserve system, money market, and factors determining money supply and demand; neo-Keynesian, Chicago, and radical policy views.
- ECO 509 – THEORIES OF ECONOMIC PROGRESS (5) (F)**  
 Dynamics of economic progress and change in industrialized and underindustrialized countries of the modern world; historical theories of growth; empirical case studies; formulation of development projects and programs. (Recommended preparation: ECO 307 or 308.)
- ECO 510 – ECONOMIC PROBLEMS OF EMERGING NATIONS (5) (W,SS)**  
 Specific economic problems of emerging nations and national groupings; basic approaches to economic development; major

proposals for accelerating development; role of planning; trade, aid and economic integration. (Recommended preparation: ECO 307 or 308.)

**ECO 517 – ECONOMICS OF TRANSPORTATION (5)**

Economic analysis applied to specific problems of transport. Effects of location and transportation cost on firm behavior; public regulation and policy; capacity, rate structure, service areas; problems of urban mass transportation. (Recommended preparation: ECO 310 or 307.)

**ECO 518 – MEDICAL AND HEALTH ECONOMICS (5)**

Economic analysis of medical and health services. Physician and dentist pricing; hospital supply; markets in health-related professions; drug and equipment markets; medical and health insurance; national priorities and policy for health service delivery. (Recommended preparation: ECO 310 or 307.)

**ECO 519 – URBAN AND REGIONAL ECONOMICS (5) (S)**

Application of economic analysis to urban growth and the urban-regional environment; consideration of public services, transportation, ghetto problems, and urban organization; analysis of environmental protection problems and policies. (Recommended preparation: ECO 307, 308 or 319.)

**ECO 525 – PUBLIC CHOICE AND THE PUBLIC FINANCES (5) (W)**

Analysis of administrative and legislative decisions applicable to public goods and services; government expenditure policy; sources of revenue; public credit; fiscal policy, principles and methods of taxation and financial administration. (Recommended preparation: ECO 310 or 307.)

**ECO 526 – THE INTERNATIONAL ECONOMY (5) (W,SS)**

Principles of international trade; significance of geographic, economic, social and political influences; current problems in international trade and payments; tariffs and commercial policy; role of international organizations. (Recommended preparation: ECO 310 or 308.)

**ECO 527 – ECONOMIC POLICY FOR INDUSTRY (5) (W)**

Governmental activities affecting business; government regulation of business and its historical, legal, and economic perspectives, including recent developments in the United States and abroad; governmental assistance to business; proposed policies. (Recommended preparation ECO 310 or 307.)

**ECO 528 – LABOR ECONOMICS (5) (S)**

Economic problems and issues of trade union organization and wage theory; job security, hours, working conditions, labor legislation, unemployment, and discrimination. (Recommended preparation, ECO 310 or 307.)

**ECO 529 – ECONOMICS OF TECHNOLOGICAL CHANGE (5)**

Economic analysis of technological possibilities in the production process and the estimation of production and cost functions. Case studies of research and development (R&D) and technical innovation. Management of science and technology; transfer and adaptation of intermediate and advanced technologies to emerging nations.

**ECO 530 – INTRODUCTION TO MATHEMATICAL ECONOMICS (5) (S)**

Mathematical formulation of economic theory. Mathematical treatment of maximizing and optimizing behavior; applications to consumer and business firm theory, value, economic strategies, growth and stability. Emphasis on understanding of analytical techniques. (Recommended preparation, ECO 307 or 308.)

**ECO 531 – ECONOMETRIC METHODS (5)**

Application of statistical methods to the estimation of simultaneous equation systems. Special topics including dynamic models, errors in variables, random coefficient regression. (Prerequisite: MAS 321/322. Recommended preparation, ECO 431.)

**ECO 560 – ADVANCED INDIVIDUAL STUDY (5-10) (F,W,S,SS)**

Supervised readings, individual tutorial, and preparation of report. Requires consent of faculty supervisor and department chairman. Open to seniors and graduate students.

**ECO 565 – ADVANCED SEMINAR IN ECONOMIC THEORY (5) (F,W,S,SS)**

Variable-topic study group in theoretical problems. Open to seniors and graduate students.

**ECO 566 – ADVANCED SEMINAR IN APPLIED ECONOMICS (5) (F,W,S,SS)**

Variable-topic study group in application of economic analysis to specific problems. Open to seniors and graduate students.

**ECO/MBA 606 – MANAGERIAL ECONOMICS I (5) (F,S,SS)**

Basic microeconomic and macroeconomic concepts as they apply to decision making within the organization; supply and demand; market structure and market behavior in specific industries; basic aggregate economic models and forecasting.

**ECO 626 – MONEY AND MONETARY POLICY (5) (W)**

Monetary theory and its application; consideration of central banking in the U.S. and its relation to the international economy, money markets, and financial intermediaries; survey of current policy views.

**ECO/MBA 656 – MANAGERIAL ECONOMICS II (5) (W)**

Extension of topics covered in ECO/MBA 606. Includes capital budgeting, linear programming, pricing, decision making under uncertainty, recent developments in theory of the firm. (Prerequisite: ECO/MBA 606.)

- ECO 660 – INDIVIDUAL GRADUATE STUDY (5-10) (F,W,S,SS)**  
 Supervised readings, tutorial, and preparation of report. Open only to graduate students. Requires consent of supervisor and approval of department chairman.
- ECO 665 – GRADUATE SEMINAR IN ECONOMIC THEORY (5) (F,W,S,SS)**  
 Variable-topic graduate study group in theoretical problems. Open only to students with graduate standing.
- ECO 666 – GRADUATE SEMINAR IN APPLIED ECONOMICS (5) (F,W,S,SS)**  
 Variable-topic study group in application of economic analysis to specific problems. Open to students with graduate standing.

**Program of Studies  
 for  
 ENGLISH MAJORS**

**Lower Division Preparation:**

As a part of the 90 quarter hours (60 semester hours) of lower division course work necessary to enter this upper division major, the following recommendations and/or requirements should be noted:

**Required Courses:** None

**Remarks:** Prospective secondary school teachers should take the Foundations of Education courses (EDU 101 and 245) in the lower division.

**Florida International University Program of Study:**

**Required Courses:**

English	45 quarter hours
Electives	45 quarter hours

**ENGLISH**

- ENG 300 – THEMES IN LITERATURE (5) (F,W,S,SS)**  
 Individual sections will read and discuss works relating to topics of current and enduring interest. Literature as it reflects the identities of men and women; their places in families; in past, present, and future societies; in the natural world, and the cosmic order. May be repeated.
- ENG 301 – EXPOSITORY WRITING (5) (F,W,S)**  
 An advanced composition course in the techniques of exposition, argumentation, and persuasion. Special sections for the foreign-born.

- ENG 302 – REPORT AND TECHNICAL WRITING (5)** (W)  
For business, professional, and scientific students needing practice in collecting, organizing, interpreting, and presenting factual material.
- ENG 303 – IMAGINATIVE WRITING (5)** (F)  
Practice in developing individual creative expression and in appreciating that talent in others.
- ENG 305 – THE MOVIES (5)** (F,S)  
Viewing and discussion of films, with attention to cinematic ways of story-telling and to the popular film as an expression of cultural values.
- ENG 307 – ENGLISH LINGUISTICS (5)** (F,W)  
Study of the sounds, vocabulary, and sentence patterns of standard modern English. Other topics include meaning, social and regional dialects, language change, and style.
- ENG 360 – MAJOR LITERARY MODES (5)** (F,W,S)  
Individual sections will read and discuss the literary expression of heroic, tragic, comic, satiric, mythic, realistic, or other formalized views of human existence. May be repeated.
- ENG 400 – MAJOR LITERARY GENRES (5)** (F,W,S,SS)  
Individual sections will read and discuss the form and development of novels or dramas, poetry, short fiction, or such special kinds as biographies, folksongs and tales, or essays, among other genre. May be repeated.
- ENG 403 – IMAGINATIVE WRITING (5)** (W)  
An intermediate course in writing fiction or poetry. Admission requires consent of the instructor.
- ENG 405 – HISTORY OF THE FILM (5)** (W)  
Discussion, with examples, of the development of cinematic art from its European and American beginnings to its place as the major world art form.
- ENG 407 – RHETORIC AND POETICS (5)**  
Ancient and modern theory and practice in discussing the formal properties of elevated language.
- ENG 431 – SHAKESPEARE: COMEDIES (5)** (F)  
Reading and informal dramatic interpretation of representative plays.
- ENG 432 – SHAKESPEARE: TRAGEDIES (5)** (W)  
Reading and informal dramatic interpretation of representative plays.

- ENG 433 – SHAKESPEARE: HISTORIES (5)** (S)  
Reading and informal dramatic interpretation of representative plays.
- ENG 440 – REGIONAL LITERATURE IN ENGLISH (5)**  
Individual sections will discuss English writing in Ireland, Scotland, Wales, Canada, the Caribbean, India, sub-Saharan Africa, and Oceania, as well as distinctive regions in England and America. May be repeated.
- ENG 450 – LITERATURE AMONG THE ARTS AND SCIENCES (5)**  
Individual sections will relate the study of literature to other disciplines in the humanities, fine arts, the social and natural sciences. May be repeated.
- ENG 460 – APPLIED LINGUISTICS (5)**  
Linguistics in the classroom, English as a Second Language, Stylistics, Dialects.
- ENG 498 – INDEPENDENT STUDY (Variable)** (F,W,S,SS)  
Individual conferences, assigned readings, reports on independent investigations with the consent of the chairman.
- ENG 499 – SPECIAL TOPICS (Variable)** (F,W,S,SS)  
A course designed to give groups of students an opportunity to pursue special studies not otherwise offered. Requires consent of the chairman.
- ENG 500 – MAJOR AMERICAN LITERARY FIGURES (5)** (W)  
Each section will consider the lifework of an author such as Hawthorne, Melville, Whitman, Twain, James, Faulkner, Mailer, or others. May be repeated.
- ENG 501 – MAJOR BRITISH LITERARY FIGURES (5)** (F)  
Each section will consider the lifework of an author such as Chaucer, Spenser, Milton, Pope, Wordsworth, Dickens, Browning, Joyce, or others. May be repeated.
- ENG 510 – PERIODS IN AMERICAN LITERATURE (5)** (F,S)  
Individual sections will read and discuss works in the context of such historical settings as the colonial, federal, antebellum, reconstruction, and other periods of the American past. May be repeated.
- ENG 511 – PERIODS IN ENGLISH LITERATURE (5)** (F,W,S)  
Individual sections will read and discuss works in the context of such historical settings as the medieval, Tudor, Restoration, Victorian, and other periods of the English past. May be repeated.
- ENG 520 – LITERARY MOVEMENTS (5)** (W,S)  
Individual sections will study the authors, works, and audiences



involved in such phenomena as Humanism, Mannerism, Romanticism, Symbolism and others. May be repeated.

**ENG 530 – MODERN ENGLISH GRAMMAR (5) (W)**  
Practical study of syntax. ENG 307 is pre-requisite, or consent of the instructor.

**ENG 532 – HISTORY OF THE ENGLISH LANGUAGE (5) (S)**  
Study of the development of the grammar and vocabulary represented in samples of the English language from the 8th century down to modern times. ENG 307 is pre-requisite, or consent of the instructor.

**ENG 540 – IMAGINATIVE WRITING (5) (S)**  
An advanced course in the writing of fiction or poetry. Admission requires consent of the instructor.

**ENG 550 – LITERARY CRITICISM AND SCHOLARSHIP (5)**  
Techniques and goals of humanistic research, bibliography, and critical commentary.

**ENG 560 – STUDIES IN THE FILM (5)**  
Advanced work in film criticism. Study of individual directors.

**ENG 598 – INDEPENDENT STUDY (Variable) (F,W,S,SS)**  
Individual conferences, assigned readings, reports on independent investigations with the consent of the chairman.

**ENG 599 – SPECIAL TOPICS (Variable) (F,W,S,SS)**  
A course designed to give groups of students an opportunity to pursue special studies not otherwise offered. Requires consent of the chairman.

**ENG 698 – INDEPENDENT STUDY (Variable) (F,W,S,SS)**  
Individual conferences, assigned readings, reports on independent investigations with the consent of the chairman.

**ENG 699 – SPECIAL TOPICS (Variable) (F,W,S,SS)**  
A course designed to give groups of students an opportunity to pursue special studies not otherwise offered. Required consent of the chairman.

### **Program of Study for ENVIRONMENTAL STUDIES MAJORS**

The program is designed to train **both** scientists with environmental awareness who are able to work in areas dealing with the natural environment, and

environmentalists in fields such as political science, economics, sociology, and the humanities. The program leads to a B.S. or B.A. in Environmental Studies.

Since students enter this program with a wide variety of backgrounds and interests, the program is designed with a "science track" (B.S.) and a "non-science track," (B.A.). The curriculum is divided roughly into a 45-quarter-hour "core" and 45 quarter-hours of electives. The student uses his elective hours in whatever area of specialization interests him within the broad area of Environmental Studies.

#### **Lower Division Preparation:**

Any student with an A.A. or equivalent, or an A.S. in any technological area is adequately prepared to enter the program.

#### **Recommended (but not required) courses in the Lower Division:**

College Algebra  
Natural History of South Florida  
Conservation of Natural Resources  
Man and Environment

#### **Recommended courses which may be taken in the lower division or at Florida International:**

The Legislative Process (POS 306)  
Economics, Man and Society (ECO 301)  
Mathematics and Statistics for Managerial Sciences (MAS 309)

#### **Florida International University Program of Study:**

#### **The "core" of 5-hour courses which is required for all students:**

BSC 360 — General Ecology  
SOC 351 — Population and Demography  
MAS 311 — Introduction to Computers  
POS 438 — Environmental Policy  
ECO 319 — Environmental Economics  
EVR 491 — Independent Study and Field Work (up to 15 hours)

#### **Additional core requirement for B.A. candidates:**

EVR 301-302-303 — Environmental Science (15 hours)

#### **Additional core requirements for B.S. candidates:**

CHE 301-302 — Organic Chemistry  
EVR 401-402 — A seminar course for science students which relates their scientific background to environmental problems.

The student may then elect his remaining credits in any particular aspect of environmental studies which interests him.

The course of study is administered by an interdisciplinary faculty committee within the College of Arts and Sciences. Each student in the program will have a member of this committee whose specialty is closely allied to the student's area of interest as his faculty advisor, who will help structure the student's program.

## ENVIRONMENTAL STUDIES

- EVR 301 – ENVIRONMENTAL SCIENCE I (5)** (F,W,S)  
A course for non-science majors offering fundamental principles of chemistry, physics and biology in an environmental framework. The purpose is to increase scientific literacy and environmental awareness of non-scientists. No particular preparation required. Recommended for all elementary and non-science secondary school teachers. The course provides enough science background so the student may take further courses in chemistry or biology.
- EVR 302 – ENVIRONMENTAL SCIENCE II (5)** (F,W,S)  
Continuation of EVR 301.
- EVR 303 – ENVIRONMENTAL SCIENCE: SPECIAL PROBLEMS (5)** (W,S,SS)  
Continuation of EVR 302, and discussion of some especially significant environmental problems.
- EVR 311 – CHEMISTRY, BIOCHEMISTRY AND PHYSIOLOGICAL CHEMISTRY FOR CONSUMERS (5)** (F,W,S)  
Fundamental chemical principles, structures and biochemistry of compounds with which the consumer deals every day: common household and industrial chemicals, pesticides, detergents, drugs, cleaning agents, fuels and their combustion. Toxicology of some of these chemicals will be discussed. No particular preparation is required for this course. Some economics and consumerism will also be involved in the course.
- EVR 423 – LAND USE (5)**  
Land use patterns, growth of cities, land use regulations, areas of critical concern.
- EVR 316 – WASTE MANAGEMENT METHODS (5)**  
Methods of handling and treating solid and liquid wastes; recycling; alternative uses of wastes.
- EVR 306 – READINGS IN URBAN TOPICS (5)**  
An interdisciplinary course discussing current literature on the urban environment.
- EVR 421 – WATER RESOURCES SEMINAR (5)** (W)  
Water resources, aquatic ecology of South Florida, waste water management.
- EVR 431 – AIR SEMINAR (5)** (S)  
Common air pollutants and their sources and methods of control. Different legislative and administrative approaches will be studied.

- EVR 441 – ENERGY SEMINAR (5) (F)**  
 Fuel resources, energy transfer, nuclear energy, solar conversions.
- EVR 443 – FOUNDATIONS OF ENVIRONMENTAL THOUGHT (2) (S)**  
 Reading and discussion of the philosophy of some founders of the environmental movement.
- EVR 512 – TOPICS IN ENVIRONMENTAL STUDIES (5)**  
 An intensive analysis of several current environmental topics. Recommended for primary and secondary school teachers.

**Program of Study  
 for  
 HISTORY MAJORS**

**Lower Division Preparation:**

As a part of the 90 quarter hours (60 semester hours) of lower division course work necessary to enter this upper division major, the following recommendations and/or requirements should be noted:

**Required Courses:** None

**Remarks:** Six (6) hours of Advanced History courses may be counted toward the upper division major.

**Florida International University Program of Study:**

**Required Courses:**

Introduction to History (HIS 301)	5 quarter hours
General History Courses	40 quarter hours
Electives	<u>45 quarter hours</u>
	90 quarter hours

**HISTORY**

- HIS 301 – INTRODUCTION TO HISTORY (5) (F,S)**  
 A study of why and how people read and write history. Emphasis will be upon the uses of history and historians' assumptions. Required of all majors and those seeking certification to teach history.
- HIS 304-305 – ANCIENT HISTORY (5,5) (W,S)**  
 An examination of the society, politics, literature and arts of Greece and Rome.
- HIS 310-311 – MEDIEVAL EUROPEAN HISTORY (5,5) (F,W)**  
 An examination of European life, culture and ideas from the fall of the Roman Empire to the Renaissance.

- HIS 313-314 – EARLY MODERN EUROPEAN HISTORY (5,5)** (W,S)  
An examination of European civilization from the sixteenth century to the French Revolution.
- HIS 316-317 – MODERN EUROPEAN HISTORY (5,5)**  
An examination of Europe from the French Revolution to the twentieth century.
- HIS 320-321 – EARLY UNITED STATES HISTORY (5,5)** (F,W)  
An examination of American society from the earliest settlements to the Revolutionary Era up through the Jacksonian period.
- HIS 323-324 – MODERN UNITED STATES HISTORY (5,5)** (W,S)  
An examination of American society from the rise of Industrialism to the 1960's.
- HIS 330-331 – EARLY LATIN AMERICAN HISTORY (5,5)** (F)  
An examination of Latin American societies and civilizations from the pre-colonial period to the national revolutions.
- HIS 333-334 – MODERN LATIN AMERICAN HISTORY (5,5)** (W)  
An examination of Latin American society and civilizations from the 1850's to the present.
- HIS 340-341 – RUSSIAN HISTORY (5,5)**  
An examination of Russian society and politics from the Kievan period, through the Medieval Era to the foundation of the Soviet Union.
- HIS 350-351 – ASIAN HISTORY (5,5)** (F,W)  
An introductory examination of various aspects of different Asian societies, cultures and nations.
- HIS 360-361 – AFRICAN HISTORY (5,5)**  
An introductory examination of various aspects of different African societies, cultures and nations.
- HIS 370-371 – MIDDLE EASTERN HISTORY (5,5)**  
An introductory examination of various aspects of different Middle Eastern societies, cultures and nations.
- HIS 398 – INDEPENDENT STUDY (Variable)** (F,W,S,SS)  
Individual conferences, assigned readings, reports on independent investigations with the consent of the chairman.
- HIS 399 – SPECIAL TOPICS (Variable)** (F,W,S,SS)  
A course designed to give groups of students an opportunity to pursue special studies not otherwise offered. Requires consent of the chairman.

**HIS 401 – WRITING HISTORY (5) (F,S)**

A course designed to deal with the problems involved in written arguments, stylistics, style and the use of sources.

**HIS 405 – POLITICAL HISTORY (5) (W,S)**

An examination of political parties, factions and trends and their relationship to history. Each time this course is offered it will focus upon a specific political problem, party, etc., of a particular nation or society during one historical epoch. With a change in content or professor, this course may be repeated.

**HIS 410 – INTELLECTUAL HISTORY (5) (W,S)**

An examination of the ideas and images that have governed men and that men have used to understand their own actions in various historical contexts. Each time this course is offered it will focus upon specific problems (Puritanism, Humanism, etc.) of a particular nation or culture during one historical epoch. With a change in content or professor, this course may be repeated.

**HIS 415 – SOCIAL HISTORY (5) (F,W,S)**

An examination of social forces, classes and institutions and their impact upon historical events. Each time this course is offered it will focus upon a specific social institution or problem of a particular nation or culture during one historical epoch. With a change in content or professor, this course may be repeated.

**HIS 420 – CULTURAL HISTORY (5) (F,W,S)**

An examination of the arts and their relation to history. Each time this course is offered it will focus upon particular artistic expression (painting, jazz, etc.) of a particular nation or culture during one historical epoch. With a change in content or professor, this course may be repeated.

**HIS 425 – ECONOMIC HISTORY (5)**

An examination of economic forces, institutions, thoughts, systems; their impact upon history. Each time this course is offered it will focus upon a particular economic problem of a particular nation or culture during one historical epoch. With a change in content or professor, this course may be repeated.

**HIS 430 – URBAN HISTORY (5) (F,S)**

An examination of the city in history. With a change in content or professor, this course may be repeated.

**HIS 435 – RACIAL AND ETHNIC HISTORY (5) (W)**

An examination of particular races and ethnic groups and their impact upon different cultures and societies; it will also focus upon immigration, etc. With a change in content or professor, this course may be repeated.

- HIS 440 – DIPLOMATIC HISTORY (5) (S)**  
 An examination of the relations between nations or the origins of an individual nation's foreign policy. Each time this course is offered it will focus upon a particular problem in international relations. With a change in content or professor, this course may be repeated.
- HIS 445 – CONTEMPORARY HISTORY (5) (S)**  
 An examination of particular problems, influences and events in the contemporary world. With a change in content or professor, this course may be repeated.
- HIS 450 – PSYCHOHISTORY (5) (F,W)**  
 An examination of the concept of the self and individual identity, of mental and social deviance in different historical contexts. With a change in content or professor, this course may be repeated.
- HIS 455 – INDIVIDUALS AND HISTORY (5)**  
 An examination of particular individuals and their roles in a society. Each time this course is offered it will focus upon a specific individual or group of individuals of a particular nation or culture during one historical epoch. With a change in content or professor, this course may be repeated.
- HIS 460 – LABOR HISTORY (5) (F)**  
 An examination of labor and workers and their impact upon historical events. Each time this course is offered it will focus upon specific problems of labor in particular nations or societies during one historical epoch. With a change in content or professor, this course may be repeated.
- HIS 465 – SCIENCE AND TECHNOLOGY IN HISTORY (5)**  
 An examination of scientific revolutions and conceptions of science and their implementation in social thought and technology. Each time this course is offered it will focus upon a particular scientific revolution, etc., during one historical epoch. With a change in content or professor, this course may be repeated.
- HIS 470 – RELIGION IN HISTORY (5) (F,W)**  
 An examination of religious ideas and religious institutions in history. Each time this course is offered it will focus upon a particular church, religion, etc. With a change in content or professor, this course may be repeated.
- HIS 475 – EDUCATION IN HISTORY (5) (S)**  
 An examination of the concepts of childhood and process of social initiation in differing historical contexts. With a change in content or professor, this course may be repeated.
- HIS 480 – PHILOSOPHIES OF HISTORY (5) (W)**  
 An examination of format conceptions of history and of philosophers of history such as Vico, Hegel, Marx, Bergson and Collingwood.

- HIS 498 – INDEPENDENT STUDY (Variable) (F,W,S)**  
 Individual conferences, assigned readings, reports on independent investigations with the consent of the chairman.
- HIS 499 – SPECIAL TOPICS (Variable) (F,W,S)**  
 A course designed to give groups of students an opportunity to pursue special studies not otherwise offered. Requires consent of the chairman.
- HIS 510 – STUDIES IN HISTORY I (5) (F,W,S)**  
 Seminars open to advanced students with permission of instructor which will cover specialized topics in history. With a change in content or professor, this course may be repeated.
- HIS 520 – STUDIES IN HISTORY II (5)**  
 Seminars open to advanced students with permission of instructor which will cover specialized topics in history. With a change in content or professor, this course may be repeated.
- HIS 530 – HISTORIOGRAPHY (5) (W)**  
 An introduction to basic historical bibliography intended for prospective history teachers. Different sections of this course will focus upon European, United States, Latin American, etc., bibliography.
- HIS 598 – INDEPENDENT STUDY (Variable) (F,W,S)**  
 Individual conferences, assigned readings, reports on independent investigations with the consent of the chairman.
- HIS 599 – SPECIAL TOPICS (Variable)**  
 A course designed to give groups of students an opportunity to pursue special studies not otherwise offered. Requires consent of the chairman.

**Program of Study  
 for  
 HUMANITIES MAJORS**

**Lower Division Preparation:**

As a part of the 90 quarter hours (60 semester hours) of lower division course work necessary to enter this upper division major, the following recommendations and/or requirements should be noted.



**Required Courses:** None

**Recommended Courses:**

Art	English	Drama
Foreign Languages	History	Music
Philosophy	Religion	

**Florida International University Program of Study:**

**Required Courses:**

Fifteen (15) hours in each of four (4) areas chosen from the following:

English	Fine Arts	History
Modern Languages	Philosophy	
Electives		30 quarter hours

### **Program of Study for MATHEMATICAL SCIENCE MAJORS**

**Lower Division Preparation:**

As part of the 90 quarter hours (60 semester hours) of lower division coursework necessary to enter this upper division major, the following requirements and/or recommendations should be noted:

**Required Courses:**

Mathematics, including Analytic Geometry, Calculus I and II 16 semester hours

**Recommended Courses:**

Linear Algebra  
Introductory Course in Computer Programming

**Florida International University Program of Study:**

**Required Courses:**

Calculus – MAS 301-302 (unless taken prior to entry)  
Programming – MAS 311 (unless taken prior to entry)  
Applied Linear Algebra – MAS 345  
Multivariable Calculus – MAS 351  
Algebraic Structures – MAS 570

The student must complete an additional 35 hours of coursework in the Mathematical Sciences department at course level MAS 313 or higher (except for MAS 321-322). Other courses necessary to complete the 90-quarter-hour requirement are free electives.

**Remarks:** The student whose interests lie more directly in the area of Computer Science should consult the Generalized Program of Study for COMPUTER SCIENCE MAJORS.

The student whose interests lie more directly in the area of Statistics should consult the Generalized Program of Study for STATISTICS MAJORS.

## MATHEMATICAL SCIENCES

### MAS 300 – INTRODUCTION TO COMPUTER PROGRAMMING (2)(F,W,S,SS)

A two-hour credit course providing a basic orientation to using the computer and an introduction to the fundamentals of programming.

### MAS 301-302 – CALCULUS I-II (5-5) (F,W,S,SS)

An introduction to the basic concepts, computations, and applications in the calculus. The first course deals with basic concepts, techniques and applications of the derivative and an introduction to the integral. The second course deals with integration techniques and applications of the integral, an introduction to multivariable calculus, infinite series, and Taylor series.

### MAS 304 – MATHEMATICS FOR STATISTICS (5) (F,W,S,SS)

A course designed to provide arithmetic and mathematical background for the student who needs to study statistics, but feels insecure about his mathematical preparations. This course will also prepare a student with insufficient background for a beginning course in calculus. Topics include: review of basic algebra, introduction to matrix methods and systems of linear equations, probability, elements of descriptive statistics.

### MAS 305 – THE SIGNIFICANCE OF MATHEMATICS (5) (W)

A course for non-science majors directed toward students with little or no assumed background in mathematics. The objective is to convince the student that mathematics is fun, interesting and useful. Topics may include: logical reasoning, unsolved problems of arithmetic, probability and statistics, geometry, topology, computers.

### MAS 306 – THE HISTORY OF MATHEMATICS (5) (S)

A survey of the development of mathematical ideas from primitive origins to the present. A knowledge of elementary algebra and analytic geometry will be assumed.

### MAS 307 – INTRODUCTION TO STATISTICS (5) (F,W,S,SS)

A course in descriptive statistics treating topics in basic probability and distributions, point and interval estimation, testing hypothesis, linear regression and correlation.

- MAS 308 – APPLIED OPTIMIZATION TECHNIQUES (5)** (S)  
 Elementary exposition of the most common mathematical optimization techniques and their computer implementation. Includes a brief introduction to differential calculus. Topics will be selected from linear programming, queuing and inventory models, transportation networks. Prerequisite: MAS 304 or working knowledge of algebra.
- MAS 310 – COMPUTERS AND SOCIETY (5)** (W,S)  
 A course for the citizen who is interested in the effects of computers upon our society. The major focus will be upon social, political and ethical considerations: what computers are; how they work; applications, such as data banks, government uses, simulation; considerations such as privacy and the police state, the cashless society, computers and business, computers and the quality of life, systems analysis and the planned society. The course is oriented toward the non-scientist and requires no background in mathematics, computer science, or social science. As part of the course, students will learn to write and run a simple computer program.
- MAS 311 – INTRODUCTION TO COMPUTERS I (5)** (F,W,S,SS)  
 A course in the fundamentals of digital computer programming. The concept of an algorithm; flow charting; programming; testing and debugging. Numerical and non-numerical techniques. The syntax and semantics of FORTRAN IV.
- MAS 312 – INTRODUCTION TO COMPUTERS II (5)** (W,S,SS)  
 Principles and techniques of digital computers, with emphasis on machine language and assembly language programming. Internal representation of numeric and non-numeric information; registers, indexing and computer structure; arithmetic, logical and input-output instructions; fixed and floating arithmetic. Prerequisite: MAS 311 or equivalent.
- MAS 313 – ADVANCED PROGRAMMING LANGUAGE (5)** (F,S)  
 Examination of higher level, procedure oriented programming languages such as ALGOL 60, SNOBOL 4 and APL with emphasis on such concepts as recursion, dynamic storage, allocation, parallel structure operations, string manipulation, block structure and others of special significance to contemporary and future programming languages and techniques. Prerequisite: MAS 312 or lower division EDP major or equivalent.
- MAS 314 – COMPUTER HARDWARE FUNDAMENTALS (5)** (W,SS)  
 This course concentrates on two major areas. The first considers computer number systems, logic gates and Boolean algebra. The second treats the arithmetic element, computer memories, input-output and computer organization. Emphasis is placed on the latter topics. Corequisite: MAS 312.

**MAS 316 – INTRODUCTION TO DATA PROCESSING  
AND COBOL (5)**

**(W,S)**

A second course in programming oriented toward data processing applications. Various techniques for organizing and processing files: Sequential random-access, indexed and inverted files. File sorting and maintenance. Program documentation. Instruction in the COBOL programming language. Applications of computers and data processing in business. Prerequisite: MAS 311 or equivalent. Not open to students with credit for COBOL at a community college.

**MAS 318 – GEOMETRY (5)**

**(S)**

A study of the basic structure of Euclidean Geometry together with topics from advanced Euclidean Geometry and non-Euclidean Geometry. Prerequisite: None.

**MAS 321 – CALCULUS FOR MANAGEMENT AND  
SOCIAL SCIENCES (5)**

**(F,S)**

An elementary introduction to the basic notions of calculus that are used to study problems in the management and social sciences. Specific topics include: differential calculus and its application to optimization problems; integral calculus with area and probability applications. Prerequisite: MAS 304 or working knowledge of algebra.

**MAS 322 – STATISTICS FOR MANAGEMENT AND  
SOCIAL SCIENCES (5)**

**(W,SS)**

Introduction to the basic notions of probability and statistics that are used to study problems in the management and social sciences. Topics include: basic probability, random variables, sampling, estimation, hypothesis testing. Prerequisite: MAS 321 or other calculus course.

**MAS 325 – DIFFERENTIAL EQUATIONS (5)**

**(F,S,SS)**

An introduction to differential equations and their applications based upon a knowledge of the calculus. Topics to include initial value problems of the first order, numerical solutions, systems of differential equations, linear differential equations of the second order, Laplace transforms, series solutions. Prerequisite: MAS 302.

**MAS 331-332 – INTRODUCTION TO MATHEMATICAL  
STATISTICS I-II (5-5)**

**(F,W)**

This course presents an introduction to the mathematics underlying the concepts of statistical analysis. It is based on a solid grounding in probability theory, and requires a knowledge of single and multivariable calculus. Numerical aspects of the course using the computer and laboratory experience is an integral part of the course. Specific topics include the following: basic probability concepts, random variables, probability densities, expectations, moment generating functions, sampling distributions, decision theory,

estimation, hypothesis testing (parametric and non-parametric), regression, analysis of variance, and design of experiments. Prerequisite: MAS 302.

**MAS 335-336 – INTRODUCTION TO STATISTICAL ANALYSIS I-II (5-5) (W,S)**

This course presents a wide range of statistical tools which are useful in the analysis of data. Stress is placed on where, when, and how these techniques are used. Computer and laboratory work is an integral part of the course. It is assumed that the student has had an introductory course in statistics or has had some exposure to calculus. Specific topics include: use of normal distribution, tests of means, variances and proportions, the analysis of variance and covariance (including orthogonal contrasts, components of variance models and analysis of experiments), regression, correlation, probability plotting, sequential analysis, non-parametric statistics and transformation techniques. Prerequisite: First course in calculus or first course in statistics.

**MAS 338 – STATISTICAL MODELS IN SCIENCE AND BUSINESS (5) (S)**

This course is a specialized course in the use of statistical models to represent physical and social phenomena. The emphasis is on providing tools which will allow a researcher or analyst to gain some insight into phenomena being studied. An introductory knowledge of probability theory and random variables is assumed. Specific topics include: introduction to discrete and continuous probability distributions, transformation of variables, approximation of data by empirical distributions, central limit theorem, propagation of moments, Monte Carlo simulation, probability plotting, and testing distributional assumptions. Prerequisite: MAS 302 and first course in statistics.

**MAS 345 – APPLIED LINEAR ALGEBRA (5) (F,S,SS)**

An introduction to the topics in linear algebra most often used in applications. Topics include matrices and their applications, simultaneous linear equations and elementary operations, linear dependence, vector spaces, rank and inverses, inner products and "best" approximations, numerical solutions of simultaneous linear equations, eigenvalues and eigenvectors, iterative methods for calculating eigenvalues and systems of linear equations. Prerequisite: MAS 302 or MAS 321.

**MAS 351 – MULTIVARIABLE CALCULUS (5) (F,S)**

A modern treatment of the multivariable calculus. Topics include the differential calculus of real valued functions: directional and partial derivatives, mean value theorem, implicit functions, the gradient, Taylor's Theorem, maxima and minima, Lagrange Multipliers; differential calculus of vector valued functions: differentiability, chain rule, implicit functions, inverse functions;

integration: multiple integrals, iterated integrals, line integrals, surface integrals, divergence theorem, Green's and Stokes' Theorem. Prerequisite: MAS 302 (or equivalent) and MAS 345 (or equivalent).

**MAS 361-362 – MATHEMATICAL MODELS  
AND APPLICATIONS I-II (5-5) (W,S)**

A course to provide an understanding of the use of the role of mathematical models in the description of the real world. In addition to considering basic principles in philosophy of formal model building, specific models will be considered, such as Markov Chain models, models for linear optimization, models involving stochastic processes, graphs and models, models for growth processes, and ecological models. Evaluation of models and computer simulation will also be discussed. Prerequisite: MAS 302 or MAS 321 or equivalent.

**MAS 365 – NUMERICAL ANALYSIS (5) (F,S)**

Basic ideas and techniques of numerical analysis. Topics include finite differences, interpolation, solution of equations, numerical integration and differentiation, applications, introduction to applied linear algebra. This course will make extensive laboratory use of the computer facility. Prerequisite: MAS 311 and MAS 302 or MAS 321.

**MAS 375 – DISCRETE MATHEMATICS (F,W,S,SS)**

An introduction to abstract mathematical structures with special emphasis on theories and methods which are relevant to the study of computer science. Topics include: introduction to formal systems and techniques of proof; combinatorial vs. relational structures; groups and graphs; Boolean algebras; abstract languages and machines. Prerequisite: MAS 311.

**MAS 395 – INDEPENDENT STUDY (1-5) (F,W,S,SS)**

Individual conferences, assigned reading, reports on independent investigations.

**MAS 398 – SPECIAL TOPICS (1-5) (F,W,S,SS)**

A course designed to give groups of students an opportunity to pursue special studies not otherwise offered.

**MAS 401-402 – FOUNDATIONS OF MATHEMATICS I-II (W,S)**

An integrated course designed for teachers of Elementary and Early Junior High students. Emphasis will be placed on inductive and rudimentary deductive approaches to number systems, algebra, geometry, probability, statistics, and mathematical systems. Both interrelatedness of these fields and their applications will be stressed. Intuitive aspects of synthetic, analytic and transformation geometry will serve to relate geometry, algebra and mathematical systems. Prerequisite: None.

- MAS 405 – MATHEMATICAL LOGIC (5) (S)**  
 A study of formal logical systems and their applications to the foundations of mathematics. Topics to be selected from the following: definition of mathematical proofs; set theory; analysis formalized with the predicate calculus; theorems of Godel and Church; recursive function theory, and idealized digital computers.
- MAS 415 – SYSTEMS PROGRAMMING (5) (S)**  
 The study of programming and operating systems: Assemblers, Loaders, Compilers, Operating Systems. Data structures and techniques, basic structure. Memory allocation, resource allocation, multi-programming and time sharing systems, lexical and syntactic analysis, code generation. Prerequisite: MAS 314.
- MAS 416 – DATA COMMUNICATIONS (5) (S)**  
 Study of communications-based systems, common carrier facilities, tariffs, and related equipment. Analysis and design of communications networks utilizing various techniques. Uses of communications for data collection, remote computing, message switching. Prerequisite: MAS 314.
- MAS 417 – MINICOMPUTER ARCHITECTURE AND APPLICATIONS (5) (W,SS)**  
 An introduction to minicomputers, in which students will have direct access to a general purpose minicomputer system. Study of the architecture of a particular minicomputer (including hands-on experience) followed by a comparison study of other minicomputer systems. Selected minicomputer applications in business, industry and science. Prerequisite: MAS 312 (or equivalent) and MAS 314.
- MAS 425 – MATHEMATICAL METHODS IN THE PHYSICAL SCIENCES (5) (F,S)**  
 A study of those topics in mathematics most often used in applications in the physical sciences. A prerequisite knowledge of ordinary differential equations is required. Topics to be discussed include the following: solutions to ordinary differential equations about singular points; Fourier Analysis, Sturm-Liouville Problems; Bessel Functions; Legendre Polynomials; boundary value problems; Laplace equations; applications to problems in the physical sciences. Prerequisite: MAS 325 or equivalent.
- MAS 435 – STATISTICAL QUALITY CONTROL (5) (W,SS)**  
 This course presents the simple but powerful statistical techniques employed by industry to improve product quality and to reduce the cost of scrap. The course includes the use and construction of control charts (means, percentages, number defectives, ranges) and acceptance sampling plans (single and double). Standard sampling techniques such as MIL STD plans will be reviewed. Prerequisite: None.

- MAS 465 – TOPOLOGY (5) (F,S)**  
 An introductory course in topology requiring a prerequisite knowledge of the calculus. Topics to be discussed will be selected from the following: topological spaces, metric spaces, continuity, completeness, compactness, separation axioms, products spaces, subspaces, convergence, and homotopy theory. Prerequisite: MAS 302.
- MAS 471-472 – MATHEMATICAL TECHNIQUES OF OPERATIONS RESEARCH I-II (5-5) (S,SS)**  
 An introduction to those topics in mathematics associated with studies in operations research. Topics include the following: linear programming and related topics, dynamic programming, queuing theory, computer simulation, network analysis, inventory theory, decision theory, integer programming. Prerequisite: MAS 345 and MAS 322 or MAS 332.
- MAS 475 – THEORY OF COMPUTATIONS (S)**  
 An introduction to abstract machine theory, combinatorial systems, and computable functions. Topics include: finite-state machines, regular sets, Turing machines, the halting problem, phrase-structure grammars and languages, and Post's correspondence problem. Emphasis is on surveying basic topics and developing an intuitive understanding of the theory of computation. Prerequisite: MAS 375.
- MAS 495 – INDEPENDENT STUDY (1-5) (F,W,S,SS)**  
 Individual conferences, assigned readings, reports on independent investigations.
- MAS 498 – SPECIAL TOPICS (1-5) (F,W,S,SS)**  
 A course designed to give groups of students an opportunity to pursue special studies not otherwise offered.
- MAS 515 – DATA STRUCTURES (5) (F)**  
 Basic concepts of data organization and associated techniques. Arrays, stacks, singly and multiply linked lists, binary and n-ary trees, graphs. Both internal and external storage structures. Accessing, searching and sorting. Recursive and non-recursive processing. Dynamic allocation and garbage collection. Prerequisite: MAS 313.
- MAS 516 – INFORMATION SYSTEMS ANALYSIS AND DESIGN (5) (W)**  
 Study of techniques of systems creation from analysis of the problem through design, programming, testing, implementation, and post-installation review. Emphasis on integrated information systems built on transactions systems designed to support the decision-making process. Examination of documentation techniques. Prerequisite: MAS 314 and MAS 515.



**MAS 517 – COMPUTER GRAPHICS (5) (S)**

The principles and techniques of interactive computer graphics. Characteristics of graphical devices, representation and manipulation of graphical data, light pens and other graphical input devices, data structures for interactive graphics, graphical languages, applications of computer graphics. Prerequisite: MAS 321, MAS 345. Corequisite: MAS 515.

**MAS 521-522 – PROBABILITY THEORY I-II (5-5) (F,W)**

This course is designed to acquaint the student with the basic fundamentals of probability theory. It reviews the basic foundations of probability theory covering such topics as discrete probability spaces, random walk, Markov Chains (transition matrix and ergodic properties), strong laws of probability, convergence theorems and law of the iterated logarithm. Prerequisite: MAS 302.

**MAS 523 – STOCHASTIC PROCESSES (5) (S)**

This course is intended to provide the student with the basic concepts of stochastic processes, and the use of such techniques in the analysis of systems. Subjects include Markov Processes, queuing theory, renewal processes, birth and death processes, Poisson and Normal Processes. Applications to system reliability analysis, behavior science and natural sciences will be stressed. Prerequisite: MAS 522.

**MAS 531 – RELIABILITY ENGINEERING I (5) (S)**

The course material is designed to give the student a basic understanding of the statistical and mathematical techniques which are used in engineering reliability analysis. A review will be made of the basic fundamental statistical techniques required. Subjects covered include: distributions used in reliability (exponential, binomial, extreme value, etc.), tests of hypotheses of failure rates, prediction of component reliability, system reliability prediction and reliability apportionment. Prerequisite: MAS 302 or MAS 321 and first course in statistics.

**MAS 532 – RELIABILITY ENGINEERING II (5) (SS)**

The course is designed for those interested in using probability models such as Markov matrices to analyze the reliability of systems. The use of transition matrices to represent the state of repairable and non-repairable systems will be stressed. Series and parallel constructed systems will be covered. Topics such as the reliability and availability of systems, average down time, required repairmen, pool sizes, and number and composition of spare parts pools will be covered. Prerequisite: MAS 345 and MAS 531.

**MAS 535 – PRACTICAL NONPARAMETRIC STATISTICS (5) (W)**

An introduction to distribution-free methods and their uses. Topics will include: tests based on the binomial distribution, contingency

tables, use of ranks and statistics of the Kolmogorov-Smirnov Type. These topics cover familiar test statistics such as Mann-Whitney, Wilcoxon signed ranks, Spearman, Kendall, Kruskal-Wallis. Prerequisite: First course in statistics.

**MAS 541-542 – DESIGN OF EXPERIMENTS I-II (5-5) (S,SS)**

An applied course in the design and analysis of experiments applicable to all those interested in industrial and scientific experimentation. A knowledge of the basic fundamentals of the analysis of variance and testing of hypotheses is assumed. Topics include classical statistical designs (Latin squares, randomized blocks, etc.), factorial and fractional factorial designs, confounding and aliasing, response surface designs, and asymmetric and main effect designs. Prerequisite: MAS 332 or MAS 336.

**MAS 543-544 – REGRESSION ANALYSIS I-II (5-5) (W,S)**

A comprehensive review of the role of linear models in statistics. Extensive use is made of matrix notation and a prior course in linear algebra is imperative. The fundamental theorems underlying regression analysis and the analysis of variance will be covered. Such topics as the Gauss-Markov Theorem, generalized least squares, estimation and testing of hypotheses will be covered. Prerequisite: MAS 332 and MAS 345.

**MAS 551-552-553 – REAL AND COMPLEX ANALYSIS I-II-III (5-5-5) (F,W,S)**

An intensive study of the basic ideas of real and complex analysis based on a prerequisite knowledge of the multivariable calculus. Topics to be discussed include the following: sequences, series, power series expansion, differentiability, integration theory, Cauchy's Formula, residues, conformal mappings, measurable sets, measurable functions, elementary theory of Lebesgue integration. Prerequisite: MAS 351 and MAS 465.

**MAS 570-571 – ALGEBRAIC STRUCTURES I-II (5-5) (W,S)**

A course based on the knowledge of the calculus and linear algebra that is concerned with the fundamental concepts of algebraic structures. Topics include elementary number theory, groups, rings, fields. Concrete examples are used to introduce concepts of modern algebra. Special emphasis is placed on the ring of integers, congruences, polynomial domains and permutation groups. Prerequisite: MAS 345 or MAS 375.

**MAS 575 – OPTIMIZATION AND MATHEMATICAL PROGRAMMING (5)**

A course in the mathematics involved in optimization problems and procedures. Prerequisite knowledge required is that of the calculus, linear algebra, probability and statistics, and an acquaintance with the concept of mathematical models. Topics to be discussed include:

non-linear programming, Lagrange Multipliers, Kuhn-Tucker Theorem, multi-stage systems, and dynamic programming. Prerequisite: MAS 362 and MAS 472.

**MAS 580 – NUMBER THEORY (5) (S)**

This course takes up topics in number theory. It assumes a knowledge of the basic concepts of modern algebra. Topics to be discussed selected from the following: congruences, Diophantine Equations, p-adic numbers, algebraic number theory, class numbers, distribution of primes, continued fractions, and number theoretical explorations using the computer. Prerequisite: MAS 570.

**MAS 595 – INDEPENDENT STUDY (1-5) (F,W,S,SS)**

Individual conferences, assigned reading, reports on independent investigations.

**MAS 598 – SPECIAL TOPICS (1-5) (F,W,S,SS)**

A course designed to give groups of students an opportunity to pursue special studies not otherwise offered.

**MAS 611-612 – DISCRETE ALGEBRAIC STRUCTURES (5-5) (F,W)**

A study of discrete and finite algebraic structures and their relationship to modern applications of mathematics. Prerequisite: Permission of instructor.

**MAS 615 – ITERATION AND APPROXIMATION (5) (S)**

An intensive study of the techniques and ideas of mathematics used in iterative techniques to find approximate solutions. Prerequisite: Permission of Instructor.

**Program of Study  
for  
MODERN LANGUAGE MAJORS**

**Lower Division Preparation:**

As part of the 90 quarter hours (60 semester hours) of lower division course work necessary to enter this upper division major, the following recommendations and/or requirements should be noted:

**Required Courses:**

Four (4) semesters of Elementary and Intermediate Foreign Language.

## Florida International University Generalized Program of Study:

### Required Courses:

Foreign Language	45 quarter hours*
Electives	45 quarter hours*

**Remarks:** Completion of at least three (3) quarters of a second foreign language will be recommended.

\*Thirty (30) quarter hours for students enrolled in Teacher Education Program.

## MODERN LANGUAGES BEGINNING AND INTERMEDIATE LANGUAGE

The Department of Modern Languages offers a three-quarter sequence of instruction in French, German, Italian, Portuguese and Spanish. In compliance with the articulation agreement between the Community College and the Senior Institution, whenever possible basic language courses will be offered by Community College Faculty on the Florida International Campus. While these courses do not appear on the Florida International University Course Listing, students may sign up for the course during the first week of classes.

### 301 – BEGINNING LANGUAGE INSTRUCTION (5)

Training in the acquisition and application of basic language skills.

FRE 301	(F)
GER 301	(F)
ITA 301	(W)
POR 301	(W)
SPA 301	(F)

### 302 – INTERMEDIATE LANGUAGE INSTRUCTION (5)

Continuation of 301. Emphasis on comprehension, reading, and vocabulary.

FRE 302	(W)
GER 302	(W)
ITA 302	(S)
POR 302	(S)
SPA 302	(W)

### 303 – INTENSIVE LANGUAGE INSTRUCTION (5)

Taught in the foreign language. Emphasis on communication and language refinement. Readings from contemporary sources.

FRE 303	(S)
GER 303	(S)
ITA 303	(F)
POR 303	(F)
SPA 303	(S,F)

## ADDITIONAL LANGUAGES

Contingent upon demand, the Department of Modern Languages will offer a three-quarter sequence in Chinese, Hebrew and Russian. A special two-quarter sequence in Latin, for students who have a knowledge of Romance Languages, will be offered every other year.

The following courses, numbered 305-515, may be offered in French, German, Italian, Portuguese or Spanish contingent upon student demand and the program needs of majors.

If a course using the MOL prefix is offered in more than one language in a given quarter, it will bear the appropriate prefix: e.g., FRE 325, SPA 325.

Unless otherwise indicated, MOL courses will be taught in the foreign language.

Courses numbered 311, 312 and 313 are open to students, faculty and staff of Florida International on a credit/non-credit basis (variable credit of 2-5 quarter hours). These courses are designed primarily for persons wishing to acquire basic conversational ability in a foreign language. As part of an experimental program in languages, these courses will be taught by native speakers enrolled as students at Florida International. (Consult course listing for specific sections in French, Spanish, etc.)

Majors in Modern Languages are encouraged to take the regular sequence, 301-303, in a second foreign language.

### **MOL 305 – CREATIVE WRITING/TRANSLATION (5)**

Training through non-structured writing. Examination of various approaches to the problems and objectives of creative translation.

### **MOL 306 – STYLISTICS/EXPLICATION DE TEXTE (5) (S)**

Close reading and analysis of prose and poetry. Introduction to the methods of literary criticism. Selected readings in international sources.

### **MOL 307 – PHONETICS (5) (SS)**

The application of phonetic theory and practice for speech refinement. Study of sound patterns in communication and creative activity.

### **MOL 308 – APPLIED LINGUISTICS (5) (SS)**

Examination of available linguistic materials for self-instruction. Problem-solving in syntax and phonetics through the application of modern/traditional methods. (In English)

### **MOL 309 – INTRODUCTION TO GENERAL LINGUISTICS (5)**

Examination and synthesis of the concepts and perspectives of major contributions to language theory. (In English)

- MOL 311 – (BEGINNING) INTENSIVE LANGUAGE INSTRUCTION (5)** (F,W,S)  
Emphasis on basic conversation for everyday use.
- MOL 312 – (INTERMEDIATE I) INTENSIVE LANGUAGE INSTRUCTION (5)** (F,W,S)
- MOL 313 – (INTERMEDIATE II) INTENSIVE LANGUAGE INSTRUCTION (5)** (F,W,S)  
Open to students with some speaking ability in the foreign language.  
Emphasis on skills for improving communication.
- MOL 312 – INTENSIVE LANGUAGE INSTRUCTION (5)** (W)  
Concentrated language instruction for the acquisition of reading/  
comprehension skills.
- MOL 325 – INTERMEDIATE SYNTAX/COMPOSITION (5)** (F)  
Practice in contemporary usage through selected readings in culture  
and civilization. Development of writing and speaking ability in  
extemporaneous contexts. The course will be conducted exclusively  
in the target language.
- MOL 326 – ADVANCED SYNTAX/COMPOSITION (5)** (W,SS)  
Examination of grammatical theory; discussion of the modern essay.  
Practice in the detection and correction of errors in usage. The  
course will focus on current international events as content for  
informal talks and composition.
- MOL 327 – COMMUNICATION ARTS (5)** (S)  
Oral interpretation and dramatic reading. Original and non-original  
texts will be the content of the course. Study of shared modes of  
experience and their individual linguistic expression in an acquired  
language.
- MOL 335 – HISTORY OF THE LANGUAGE (5)**  
The internal and external history of language development.  
Examination of model texts from key periods of evolution.
- MOL 336 – DIALECTOLOGY (5)**  
Definition and analysis. Problem-solving in dialectical classification.
- MOL 337 – ROMANCE LINGUISTICS (5)**  
The common and distinctive romance features. Survey of linguistic  
geography and internal/external influences.
- MOL 355 – INTELLECTUAL HISTORY (5)** (SS)  
The interaction or dissociation among writers in a critical historical  
period. Study of primary sources and their contemporary  
evaluations.

- MOL 356 – LITERATURE OF REFORM (5)**  
The consciousness of change in verbal art.
- MOL 357 – LITERATURE OF REPRESSION (5) (S)**  
The consciousness of constraints, their adoption and/or rejection in verbal art.
- MOL 358 – BI-CULTURAL WRITINGS (5)**  
Experiment in linguistic pluralism. Content and focus to be determined by the international community.
- MOL 359 – PROSE AND SOCIETY (5)**  
The dynamics of participation and alienation among prose writers and their environment.
- MOL 365 – LITERATURE IN TRANSLATION (5) (F,S)**  
Masterpieces of world literature in English. Comparative use of the original text. Discussion and interpretation.
- MOL 397 – SPECIAL TOPICS (5) (W,S,SS)**  
Readings and discussion of literary/linguistic topics to be determined by students and teacher.
- MOL 398 – INDEPENDENT STUDY (5) (F,W,S,SS)**  
Project, field experience, readings, or apprenticeship.
- MOL 399 – FOREIGN STUDY (15)**  
Intermediate level. One quarter full-time credit in foreign residence and study. (Not offered in 1973-74, but individual cases will be evaluated for approval.)
- MOL 405 – CREATIVE MODES (5) (F)**  
Discussion of a single mode or a plurality of epoch styles such as classical/baroque, realism/surrealism. The peculiar/common features of expressive media.
- MOL 406 – GENRE STUDIES (5) (F,W,S)**  
Examination of a single literary form (e.g., short story, poetry), or the study of interaction between literary types (e.g., novel and drama).
- MOL 407 – THE LITERARY GENERATION (5)**  
The real and apparent shared ideals of an artistic generation; its influence and range.
- MOL 408 – LITERATURE INTO FILM (5)**  
Approaches to the visual conversion/recreation of international texts. Tentative formulation of criteria for appreciation of the text as film.

- MOL 435 – BIBLIOGRAPHY AND METHODS OF RESEARCH (5) (SS)**  
 Survey of the alleged tools, resources and limitations of research and scholarship in the humanities. Emphasis on non-English sources and practices. Formulation of desirable objectives.
- MOL 436 – LITERARY THEORY AND PRACTICE (5) (W)**  
 The possibility and potential of criticism.
- MOL 438 – PROBLEMS IN READING AND INTERPRETATION (5) (S)**  
 The identification and appreciation of techniques for sensitive reading and discussion of literary texts.
- MOL 439 – TECHNIQUES AND CRITERIA OF COMPARATIVE LITERATURE (5) (S)**  
 The interdisciplinary and para-disciplinary assumptions of comparatist studies. Formulation of working techniques from various approaches.
- MOL 465 – EUROPEAN LITERATURE IN TRANSLATION (5)**  
 For students proficient in more than one foreign language. Content and focus to be determined by students and teacher.
- MOL 475 – CONTRASTIVE PHONOLOGY (5)**  
 For students proficient in more than one foreign language. Choice of languages to be determined by students and teacher.
- MOL 476 – CONTRASTIVE MORPHOLOGY (5)**  
 For students proficient in more than one foreign language. Content and emphasis to be determined by students and teacher.
- MOL 477 – ADVANCED DIALECTOLOGY (5)**  
 Computer programming of dialects. Analysis of taped speakers and primary sources.
- MOL 478 – PROBLEMS IN LANGUAGE LEARNING (5)**  
 Primarily designed for prospective teachers but open to all interested students. The course will aim to devise an approach to difficulties in syntax, usage, reading and comprehension commonly experienced.
- MOL 497 – SPECIAL TOPICS (5) (S)**  
 Independent readings, research, or project.
- MOL 498 – INDEPENDENT STUDY (5) (F,W,S,SS)**  
 Project, field experience, readings, or research.
- MOL 499 – FOREIGN STUDY: ADVANCED LANGUAGE/LITERATURE (15)**  
 Full-quarter credit for foreign residence and study/work. (Approval of Department)



- MOL 505 – SPECIAL TOPICS IN LINGUISTICS (5)** (W)  
 Content to be determined by students and teacher. (Approval of Department)
- MOL 510 – COMPARATIVE STUDIES (5)** (S)  
 Cross-over and distinctiveness in a multi-language problem, period, or esthetic.
- MOL 515 – SPECIAL TOPICS IN LANGUAGE/LITERATURE (5)** (SS)  
 Content and objectives to be determined by students and teacher.

**Program of Study  
 for  
 MUSIC MAJORS**

**Lower Division Preparation:**

As a part of the 90 quarter hours (60 semester hours) or lower division course work necessary to enter this upper division major, the following recommendations and/or requirements should be noted:

**Required Courses:** None

**Recommended Courses:**

Theory	16 semester hours
Applied Music	16 semester hours

**Remarks:** Students without an Associate in Arts in Music or lacking proficiency in theory, sight singing, and performance in a major instrument will be expected to take more than 90 quarter hours of upper division work to complete the degree.

**Florida International University Program of Study:**

**Required Courses:**

Theory	15 quarter hours
Applied Music	24 quarter hours
History	15 quarter hours
Music Electives	6 quarter hours
Electives	30 quarter hours

**Remarks:** Major in Music will present a senior recital.

**MUSIC**

- MUS 305 – UNDERSTANDING AND ENJOYMENT  
 OF MUSIC I (5)** (W)  
 A non-technical introduction to program music of the 19th century and folk/popular music of the 20th century.

- MUS 306 – UNDERSTANDING AND ENJOYMENT OF MUSIC II (5) (S)**  
 A non-technical introduction to music before the 1800's and music of the 20th century. Comparisons of music up to and including electronic music.
- MUS 307 – EVOLUTION OF JAZZ (5) (F)**  
 The influx of Africa and Latin America on the development and styles of jazz music and its various exponents such as soul, blues, rock, etc.
- MUS 315 – MUSIC HISTORY SURVEY (5) (F)**  
 A technical study of music from antiquity to 1850. Lectures on historical styles will be supplemented with recordings and analysis.
- MUS 316 – MUSIC HISTORY SURVEY (5) (W)**  
 A technical study of music from 1850 to the present. Lectures on historical styles will be supplemented with recordings and analysis.
- MUS 317 – TWENTIETH CENTURY MUSIC - EXPLORATION (5) (S)**  
 An exploration study of music since 1900. Lectures on style plus demonstration will be supplemented with recordings and analysis. Elements of the popular idiom will be investigated.
- MUS 318 – SACRED MUSIC IN HISTORY AND PRACTICE (5) (F)**  
 A treatment of Sacred Music from a practical point of view based upon historical data. Both choral and instrumental literature will be investigated.
- MUS 319 – SACRED MUSIC IN HISTORY AND PRACTICAL APPLICATION (5) (S)**  
 The practical application of sacred music (in the field experience). Composition, both vocal and instrumental, will be required. Organ registration will be accented.
- MUS 325 – SURVEY OF BASIC MUSIC (5) (F)**  
 Designed for students to develop their skills in or to review basic theory, harmony, sight-singing and ear training.
- MUS 326 – COUNTERPOINT (5) (F,W)**  
 With a background of basic theory, harmony and ear training, the student will study linear writing through species counterpoint and its comparison with the 18th century harmonic idioms as well as polyphonic and homophonic idioms of the 14th through the 20th centuries.
- MUS 327 – FORM AND ANALYSIS (5) (W,S)**  
 With a background of counterpoint, the student will study the analysis of phrases, binary and ternary song forms, variation, rondo, sonatina and sonata – allegro forms, cyclic and free forms of Western culture music. Particular emphasis will be placed on 20th century compositions.



- MUS 375 – GUITAR SKILLS (5)** (F,W,S,SS)  
Emphasis on music reading and elementary techniques. Open to all Florida International students.
- MUS 385-585 – DIRECTED STUDY (5-5)** (F,W,S,SS)  
Designed for students to provide areas of exploration and specialization beyond the basic selected study programs such as electronic music, religious music literature, sound techniques, etc.
- MUS 395-595 – RESEARCH (1-5)** (F,W,S,SS)  
Research composition or performance projects under the guidance and direction of the music faculty. (May be repeated.)
- MUS 425 – ORCHESTRATION (5)** (W,S)  
With a background of basic theory, the student will explore the techniques of writing and arranging for instruments in performing organizations and choral groups.
- MUS 435 – BASIC CONDUCTING (2)** (F)  
A basic conducting course to gain fundamental techniques and interpretation. A pre-requisite for both advanced instrumental and choral conducting.
- MUS 436 – INSTRUMENTAL CONDUCTING (2)** (W)  
With a background in basic theory and having performed in organizations, the student will develop a knowledge of baton technique, score reading and interpretation. Pre-requisite: Basic Conducting.
- MUS 437 – CHORAL CONDUCTING (2)** (S)  
With a background in basic theory and having performed in organizations, the student will develop techniques of group conducting including madrigal, glee, choir, etc. A survey of choral literature will be included. Pre-requisite: Basic Conducting.
- MUS 485 – RECITAL AND RESEARCH (2)** (F,W,S,SS)  
All music majors, before graduation, must present at least one half of a public recital and pass an oral examination on the music programmed.
- MUS 517 – TWENTIETH CENTURY MUSIC**  
**"NEW DIMENSIONS" (4)** (F)  
A technical study of music since 1900. Lectures on style plus demonstrations and practical application will be supplemented with recordings and analysis. Electronic and multi-media performance will be accented.
- MUS 526 – ARRANGING FOR PUBLIC SCHOOL ENSEMBLES (4)** (W)  
A practical course in arranging with a definite theory approach to meet the high school needs.

- MUS 534 – ADVANCED CONDUCTING TECHNIQUES (2)** (S)  
An extension of Form and Analysis with interpretation both in Instrumental and Choral Conducting. Twentieth Century scoring and symbol interpretation will be studied in depth with actual conducting experience required.
- MUP 305-505 – UNIVERSITY SINGERS (Variable)** (F,W,S,SS)  
A chorus performing repertoire primarily from great choral works. Large orchestral accompaniment as well as various instrumental ensembles will be utilized.
- MUP 307-507 – COLLEGIATE CHORALE (Variable)** (F,W,S)  
A small ensemble of selected mixed voices performing repertoire of the modern popular idiom. Miniature contemporary accompaniment will be utilized.
- MUP 315-515 – ORCHESTRA (Variable)** (F,W,S)  
An instrumental ensemble performing works from the symphonic repertory. Previous experience and permission of conductor.
- MUP 317-517 – WIND ENSEMBLE (Variable)** (F,W,S)  
A group of wind and percussion instrumentalists. Permission of conductor.
- MUP 325-525 – STUDIO JAZZ (Variable)** (F,W,S,SS)  
An ensemble to provide creative professional level experience in the contemporary popular idiom.
- MUP 327-527 – CHAMBER MUSIC (Variable)** (F,W,S)  
Small ensemble in the performing of Chamber Music literature. Permission of conductor.
- MUP 335-535 – APPLIED MUSIC—BRASS (1-2) (1-2)** (F,W,S,SS)  
Individual instruction in applied music on trumpet, French horn, trombone, baritone horn or tuba.
- MUP 345-545 – APPLIED MUSIC—PERCUSSION (1-2) (1-2)** (F,W,S,SS)  
Individual instruction in applied music on all percussion instruments.
- MUP 355-555 – APPLIED MUSIC—PIANO/ORGAN (1-2) (1-2)** (F,W,S,SS)  
Individual instruction in applied music on piano or organ.
- MUP 365-565 – APPLIED MUSIC—STRINGS (1-2) (1-2)** (F,W,S,SS)  
Individual instruction in applied music on violin, viola, cello, string bass, guitar or harp.
- MUP 375-575 – APPLIED MUSIC—VOICE (1-2) (1-2)** (F,W,S,SS)  
Individual instruction in applied music in voice.
- MUP 385-585 – APPLIED MUSIC—WOODWINDS (1-2) (1-2)** (F,W,S,SS)  
Individual instruction in applied music on flute, oboe, clarinet, bassoon or saxophone.

**Program of Study  
for  
PHILOSOPHY, RELIGION, AND  
PHILOSOPHY-RELIGION MAJORS**

**Lower Division Preparation:**

As a part of the 90 quarter hours (60 semester hours) of lower division course work necessary to enter this upper division major, the following recommendations and/or requirements should be noted:

**Required Courses:** None

**Florida International University Program of Study:**

**Required Courses:**

Philosophy/Religion Core Courses	20 quarter hours
Philosophy/Religion Related Courses	15 quarter hours
Another Academic Discipline	20 quarter hours

**Remarks:** Students are encouraged to pursue dual major study concentrations, i.e., another major in addition to philosophy or religion or philosophy/religion.

**PHILOSOPHY AND RELIGION**

**PHI 300 – INTRODUCTION TO PHILOSOPHICAL  
THINKING (5)**

This introductory course examines the presence of philosophy and the role of philosophizing in man's search for understanding of himself and of his world. It includes the study of the basic structure, the many applications and some basic issues of philosophical thinking through a dialogue with those original sources more accessible for a first learning experience in philosophy and which represent basic events in the history of philosophizing.

**PHI 301 – LOGIC AND PROBLEM SOLVING (5)**

This introductory course in logical thinking and argumentation will treat both practical and theoretical approaches to understanding human communications and solving problems. Students will be introduced to inductive and deductive logic, fallacies, and the role of logic in scientific explanation and popular expression.

**PHI 302 – KNOWLEDGE, THINKING, AND CREATIVITY (5)**

The viewpoints of various philosophers and schools of thought regarding types of knowledge, certitude, and creativity are the main emphasis of this introductory course. The meaning of truth and truthfulness is analyzed from both the classical and the contemporary perspectives.

- PHI 303 – WHAT IS REALITY? (5) (W)**  
This introductory course examines basic metaphysical questions regarding the nature of reality, as well as the meaning of these questions for man's concept of himself and his world. Fundamental texts from Greek, medieval and contemporary philosophers will be considered.
- PHI 304 – CONTEMPORARY ETHICAL ISSUES (5) (S)**  
The possibility and validity of ethical knowledge and value systems will be considered in this introductory course. The ethical dimensions of such notions as pleasure, happiness, duty, responsibility for action and life style will be discussed in the context of several contemporary problems and issues.
- PHI 310 – MAJOR PHILOSOPHIES IN THE AMERICAS (5) (W)**  
This course examines comparatively the perspectives of present day philosophers in North America and Latin America, with particular attention to their respective philosophical traditions and to the manners in which they approach contemporary problems, such as personal and social identity.
- PHI 311 – ANCIENT PHILOSOPHIES (5) (S)**  
The basic concerns and teachings of representative philosophers and schools of thought, particularly in the Greek and Roman cultural settings, and linkages to their past and future, are emphasized in this course.
- PHI 312 – MEDIEVAL PHILOSOPHIES (5)**  
The basic concerns and teachings of representative philosophers and schools of thought in the cultural settings of the Medieval and early Renaissance Periods, and linkages to their past and future, are emphasized in this course.
- PHI 313 – EARLY MODERN PHILOSOPHIES (5)**  
The basic concerns and teachings of representative philosophers and schools of thought in the cultural settings of the late Renaissance and Reformation Periods, and linkages to their past and future, are emphasized in this course.
- PHI 314 – SCHOOLS OF PHILOSOPHICAL THOUGHT (5)**  
After a brief review of introductory philosophical notions and methods, several of the more significant philosophical movements of the East and West will be considered. Special attention will be given to topics and issues relevant to the academic needs of the student.
- PHI 325 – HUMANISTIC AND SCIENTIFIC PERSPECTIVES (5)**  
After a review of several basic philosophical notions, the assumptions and methodologies and consequences of the humanities and the social and natural sciences will be discussed. Topics will be selected from current issues.

**PHI 326 – PHILOSOPHIES OF EDUCATION (5) (W)**

Notions of philosophy and education will be applied in the review of prominent philosophies of education. Special attention will be given to the development of the student's own philosophy of education, and to the importance of philosophical assumptions in curriculum designs and teaching strategies.

**PHI 327 – PHILOSOPHIES OF HISTORY (5)**

After exploring the definitions, dimensions and interrelations of philosophy and history, students will examine major philosophies of history. Discussions about the social responsibility of the historical narrative and the philosophical assumptions of historiographies will be provided.

**PHI 328 – PHILOSOPHIES OF SCIENCE (5)**

After exploring the definitions, dimensions and interrelations of philosophy and the natural and social sciences, representative philosophies of science will be discussed. Of special interest will be the philosophical assumptions of scientific theories, the social consequences of theories, and the problems of objectivity, prediction and certitude.

**PHI 329 – PHILOSOPHIES OF BEAUTY AND ART (5) (S)**

This course will introduce the student to some of the most significant theories concerning beauty and art from ancient times to the present, through the study of selections from the writings of major thinkers and the consideration of those works of art to which they referred.

**PHI 410 – MODERN PHILOSOPHIES (5)**

The basic concerns and teachings of representative philosophers and schools of thought in the cultural settings of the 18th and 19th centuries, and linkages to their past and future are emphasized in this course.

**PHI 411 – CONTEMPORARY PHILOSOPHIES (5)**

The basic concerns and teachings of representative philosophers and schools of thought in the cultural settings of the present century, and linkages to past and emerging generations are emphasized in this course.

**PHI 415 – MODERN EXISTENTIALISM (5)**

This course examines the origin, the basic philosophical insights, and the influence of the mainstreams (French, German, Russian, Spanish) of modern existentialism.

**PHI 416 – PHENOMENOLOGY (5)**

This course analyzes the method, the basic philosophical insights, and the applications of contemporary (German and French) phenomenological thinking. It will include both the experiencing of phenomenological awareness (of freedom, of knowledge, of encounter) and the study of original texts.



**PHI 426 – PHILOSOPHIES OF SOCIETY (5)**

After an introduction to the various dimensions of social philosophy, in its relationship both to the social sciences and to other philosophical disciplines, the course will analyze distinctive aspects of contemporary societies in terms of certain fundamental currents and alternatives in this field of thought, with particular reference both to developed and underdeveloped nations.

**PHI 427 – CHANGE AND ORDER IN SOCIETY (5)**

This course will examine the dimensions of change and order in contemporary societies, developed and underdeveloped, with particular attention to the human values involved, in the light of different philosophical theories and socio-political ideologies.

**PHI 428 – VALUE THEORIES (5)**

Several questions will be examined in this course in the context of classical and contemporary value theories: What is value? How are values known? What are the determinants of value? How do values differ from beliefs and attitudes? Are values relative?

**PHI 430 – PHILOSOPHY OF LANGUAGE (5)**

This course examines the phenomenon of language as an integral part of human culture and as the way of human encounter. It includes the contemporary structural and phenomenological analysis of the meaning of language, the power and limitations of speech, the relationship between thought and language, the non-rational thought process and its influence upon rational thought and language, and the power and magic of the word.

**PHI 431 – PHILOSOPHY OF DIALOGUE (5)**

This course examines the meaning, the foundations, and the limitations of dialogue and the dialogical structure of the phenomena of expression, communication, education and human relationships. It includes a contemporary philosophical analysis of the dialogical principle and the application of its insights to the problems of human living and knowing.

**PHI 435 – PHILOSOPHY OF DEATH (5) (S)**

This course analyzes the meaning of death and man's attitude towards death and the dying. It examines how philosophy can share in the new confrontation between man and his death, and shows the ways philosophical thinking contributes to the discovery of an authentic attitude towards the phenomenon of death as part of human living. The theme of death with dignity will be discussed.

**PHI 490 – INDEPENDENT RESEARCH (Variable)**

Topics will be selected to meet the academic needs of the individual student.

**PHI 591 – SPECIAL TOPICS (5)**

Topics will be selected to meet the academic needs of groups of students.

**PHR 310 – EASTERN PHILOSOPHICAL AND  
RELIGIOUS THOUGHT (5)**

This introductory course examines the development of philosophical and religious thought in the East, from ancient to modern times. Hinduism, Buddhism, Confucianism, Taoism and other major viewpoints will be considered, in themselves and in comparison with Western forms of thought.

**PHR 326 – PHILOSOPHIES OF RELIGION (5)**

This introductory course will examine the grounds for belief and religion along with such basic questions as: Is there immortality? Is faith rational? Why evil? Does religion enhance or inhibit mental health? How are philosophy and theology related? These questions will be examined from the perspectives of the human sciences and of philosophical theology.

**PHR 327 – BASIC DILEMMAS IN  
FAITH AND REASON (5)**

This course examines the nature and the boundaries of faith and reason, the phenomenon of contemporary atheism and the relationship between religion and the sciences. It shall approach these problems from both the philosophical and the religious perspectives, with an awareness that both human reason and religious faith strive for a basic and ultimate understanding of the world and man, and that, nevertheless, especially today, they confront each other in many ways, sometimes remain antagonistic, and very often present a serious dilemma to everyone who wants to arrive at a coherent and human grasp of personal living and reality.

**PHR 329 – ETHICAL ISSUES IN BUSINESS (5)**

After a review of basic questions regarding ethical knowledge, norms and systems, students will consider the ethical dimensions of current problems and issues facing the business manager or worker: corporate decisions, personal responsibility, product quality and performance, production, marketing and advertising, management and in general economic rationality.

**PHR 330 – ETHICAL ISSUES IN POLITICS (5)**

After a review of basic questions regarding ethics, politics and their relationship, students will consider with historical perspective some fundamental currents and alternatives in the field of political ethics, and then will examine the ethical dimension of some contemporary issues facing the citizen, the public and the political leader, such as credibility, technocracy, conflict of interest and violence.

**PHR 331 – ETHICAL ISSUES IN HEALTH PRACTICE (5)**

After examining the basic questions regarding ethical knowledge, norms and values, this course will consider the human and ethical dimension of current issues and conflicts encountered by the health practitioner, such as the meaning of human living and suffering, rights to life and death, personal responsibility, ethics of genetic control, mental health and ethical life, basic ethical attitudes of the health practitioner, population growth, euthanasia and socialized medicine.

**PHR 400 – HUMAN SEXUALITY (5)**

This course examines the basic nature and meaning of sexuality in the context of authentic living and loving. In accepting his own sexual nature, man needs not only the physiological but also the human and humanistic understanding of sexuality and of the fundamental relationship between sexuality and love. Contemporary philosophical anthropology and phenomenological psychology can deepen man's grasp of his body and sexual nature. This course will examine the different philosophical approaches to sexuality and love and will study the basic problems in human sexual living such as the nature of sexual love, falling in love, free love, the man-woman relationship, the formation of sexual union, married love, basic principles of sex education, and social, cultural, and ethical attitudes towards sexuality.

**PHR 401 – HUMAN IDENTITIY (5)**

This interdisciplinary course will explore the philosophical, religious and psychological views on personhood. Several questions will be examined: What constitutes personhood? What is the self-concept? What does it mean to be an authentic person? How free is any person.

**PHR 426 – MAN AND NATURE (5)**

This course examines the philosophical understanding of nature and of man's relation to nature as his environment. It will explore the humanistic perspectives of both the scientific and the philosophical interpretations of nature and environment. It will also deal with the diverse influence of technology and social organizations on the quality of human living through their impact on man's environment.

**PHR 435 – PEACE AND SOCIETY (5)**

Students will survey several cogent international questions and issues from the point of view of philosophical and religious thought: socio-political forces underlying peace/unrest, impact of social protest upon the ethical and political values of various cultures, the ideology and efficacy of non-violence, the economic and social costs of national defense/war/peace. Major Eastern and Western peace documents will be examined.

**PHR 436 – CIVIL RIGHTS AND SOCIETY (5)**

Students will survey current domestic civil rights issues and problems from the point of view of philosophical and religious thought: liberation movements, violent vs. non-violent methods of conflict resolution, economic and social and personal costs of civil rights issues. Major Eastern and Western documents treating these questions will be examined.

**PHR 437 – THEORIES AND ISSUES IN THE ARTS (5)**

The assumptions and consequences of current and emerging issues and trends in the visual and plastic arts, as well as in music, drama and literature will be explored in terms of different classical and contemporary philosophical theories.

**PHR 490 – INDEPENDENT RESEARCH (Variable)**

Topics will be selected to meet the academic needs of the individual student.

**PHR 591 – SPECIAL TOPICS (5)**

Topics will be selected to meet the academic needs of groups of students.

**REL 300 – VARIETIES OF RELIGIOUS EXPERIENCE (5)**

Students will be introduced to the nature and varieties of religious phenomena and experience with special emphasis upon current trends in religious awareness and expression: mysticism, witchcraft, Zen koan, pentecostalism, revival, drug culture, secularism, Jesus Freaks, Hare Krishna, voodoo, spiritualism; religious liturgies and meetings.

**REL 302 – AMERICAN DENOMINATIONS, SECTS AND CULTS (5)**

The history and similarities of religious denominations, sects and cults in the Americas will be discussed in this course. Of special interest will be the assessment of emerging changes in organized religions, and the discussion of ecumenical efforts.

**REL 326 – CONTEMPORARY JUDAIC-CHRISTIAN  
RELIGIOUS THOUGHT (5)**

This course will examine contemporary issues facing Judaism and Christianity, such as formulation of faith, institutional identity, liturgical prayer, ecumenism, marriage and social commitment. It will consider comparatively the manner in which Jewish and Christian theologians of today meet these issues.

**REL 327 – CONTEMPORARY CARIBBEAN RELIGIOUS  
RELIGIOUS THOUGHT (5)**

This interdisciplinary course will examine the historical roots of contemporary religious belief systems and practices in the Caribbean area. Special emphasis will be given to the anthropological, sociological and political dimensions of religious ideologies in those developing nations.

**REL 328 – NORTH AMERICAN RELIGIOUS THOUGHT (5)**

The theological trends of this century will be traced through the major schools of theological thought and their chief thinkers in North America.

**REL 329 – YOGA (5)**

The transcendental understanding of ultimate truths through the ascetical practices of Yoga will be explored in this course.

**REL 330 – HINDUISM (5)**

This course will examine cultural ramifications of Hindu belief and practices. Attention will be focused upon the reading of Hindu sacred literature and practices such as chants, yoga and transcendental meditation.

**REL 336 – BUDDHISM (5)**

The effort of Buddhism to strip illusion from religion will be traced through its sacred literature and practices. Of particular interest will be the relation of the Buddhist unitive stance toward nature and life to current ecological and peace issues.

**REL 337 – ISLAM AND ISLAMIC MYSTICISM (5)**

The beliefs and practices of Islam will be examined in this course with special emphasis given to their influence upon Muslim social and political ideologies.

**REL 401 – NEW OPTIONS IN MYSTICAL AND  
RELIGIOUS EXPERIENCE (5)**

After a brief review of the varieties of contemporary religious experience, students will examine new models and modes of religious theory and experience in the context of emerging cultural patterns in the Americas and the Caribbean.

**REL 402 – INSTITUTIONAL RELIGION (5)**

This interdisciplinary course examines the sociological development of organized religions, organizational patterns, doctrine and moral codes. Current questions regarding the conflict of individual behaviors and institutional norms, institutional survival, and social relevance will be considered.

**REL 405 – INTERPRETATION OF BIBLICAL LITERATURE (5)**

This course will consider the major schools of biblical interpretation and compare Christian sacred writings to selected Eastern literature. Christian and Judaic oral traditions will be compared with those of Florida Indians, and the Blacks and Indians of the Caribbean area.

**REL 425 – CONSEQUENCES OF THE PURITAN EXPERIENCE (5)**

After considering the social-political-religious-philosophical sources and premises of Puritanism, students will examine the establishment of Puritanism in North and South Americas and its current influence upon modern mores and laws.

**REL 427 – RELIGIOUS PLURALISM AND NATIONAL UNITY (5)**

This interdisciplinary course will examine the compatibility of variant belief systems and religious institutions with social and political systems from the viewpoints of philosophy, political science, sociology and history. Attention will be focused upon conflicts over conscientious objection, population, compulsory education, church-related education, and other current and emerging issues.

**REL 490 – INDEPENDENT RESEARCH (Variable)**

Topics will be selected to meet the academic needs of the individual student.

**REL 591 – SPECIAL TOPICS (5)**

Topics will be selected to meet the academic needs of groups of students.

**Program of Study  
for  
PHYSICS MAJORS**

**Lower Division Preparation:**

Ninety quarter hours (60 semester hours) of lower division course work, part of which should be in the sciences, are required. The following lower division courses are recommended so that the student can complete the requirements for a Bachelor of Science in Physics in the least amount of time:

Algebra and Trigonometry  
Introductory Chemistry (10 quarter hours)  
Physics with or without calculus  
Calculus (10 quarter hours)

All but the first of these courses may be taken at Florida International University.

**Required Courses:**

Q.H.

15	PHY 301-303	Physics with Calculus
10	PHY 340-341	Modern Physics
10	PHY 311-312	Electromagnetic Theory
10	PHY 410-411	Mechanics
5	PHY 322	Optics
5	PHY 321	Thermodynamics
10	PHY 420-421	Quantum Mechanics
5	MAS 325	Differential Equations
70	quarter hours	
20	hours electives	
90	quarter hours	

## PHYSICS

**PHY 301-303 – PHYSICS WITH CALCULUS (15) (F,W,S)**

Introductory physics for students who have had mathematics through the integral calculus. PHY 301 will cover classical mechanics, PHY 302 will cover heat and light, and PHY 303, electromagnetic theory.

**NAS 301-303 – PHYSICS AND CALCULUS (15) (F,W,S)**

An integrated approach to calculus and physics; the content being that of PHY 301-303 and MAS 301 and 302 with additional topics in calculus and related areas.

**PHY 301 L, 302 L, 303 L – JUNIOR PHYSICS LABORATORY (6) (F,W,S,SS)**

Laboratory section of Physics 301-303. This may be taken separately.

**PHY 305-307 – PHYSICS WITHOUT CALCULUS (10) (F,S)**

Introductory physics for students without calculus. The same material is presented as in PHY 301-303, but with less mathematical sophistication. Not for science or pre-med majors.

**PHY 408-409-410 – SENIOR PHYSICS LABORATORY (6) (F,W,S)**

Advanced laboratory topics are treated. Modern physics laboratory equipment is used, and the student is introduced to current physics laboratory practice. A continuation of the 308-310 sequence.

**PHY 340-341 – MODERN PHYSICS (10) (W,S)**

The student is introduced to developments in physics that have occurred since 1900. Subject material will include quantum mechanics, relativity, atomic and nuclear physics.

**PHY 360 – PHYSICS AND SOCIETY (5) (S)**

An analysis of the interaction between the scientific community and the remainder of society, using physics as an example of science. An historical treatment of the development of modern scientific thought. Especially recommended for non-science majors.

**PHY 309 – ASTRONOMY (5) (W)**

The structure of the universe as presently understood is discussed, with the solar system as a basis. Elementary explanations of the structure of the stars will be covered. A non-mathematical treatment of modern astronomy.

**PHY 351 – EARTH PHYSICS (5) (F)**

The planet earth treated as a physical system. The formation and structure of the earth will be discussed, as well as current dynamic changes.

- PHY 501-502 – THEORETICAL PHYSICS (10)** (W,S)  
The theoretical foundation of classical mechanics, relativity, fields, quantum mechanics, group theory and relativity.
- PHY 440 – SOLID STATE PHYSICS (5)** (W)  
Crystalline form of solids, lattics dynamics, metals, insulators, semi-conductors, and dielectric materials.
- PHY 352 – ELECTRONICS (5)** (F,S)  
Including solid state theory and the theory of circuits. Circuit operation and design in lecture and laboratory sessions.
- PHY 311-312 – ELECTROMAGNETIC FIELDS (10)** (W,S)  
The theory of electromagnetic fields and waves is developed from basic principles. A detailed treatment of Maxwell's equations and special relativity.
- PHY 356 – INSTRUMENTATION AND DESIGN (5)** (F,W,S)  
Same as CHE 356.
- PHY 321 – THERMODYNAMICS (5)** (F,W)  
Same as CHE 321.
- PHY 410-411 – MECHANICS (10)** (F,W)  
Advanced mechanics for the undergraduate. Newtonian mechanics, gravitation, mechanics of continuous media, Lagrange's equations relativistic dynamics.
- PHY 322 – OPTICS AND STIMULATED EMISSIONS (5)** (S)  
Geometrical optics, physical optics, lasers, interference and diffraction, the properties of waves.
- PHY 420-421 – QUANTUM MECHANICS (10)** (S)  
Hilbert Space, Hermetian operators, wave mechanics, matrix mechanics, perturbation theory.
- PHY 451-452 – NUCLEAR PHYSICS (10)** (F)  
A treatment of the current state of the nuclear theory problem, and a discussion of modern experimental methods.
- PHY 430 – FLUID MECHANICS I (5)** (F)  
Conservation equations for control volumes, steady viscous and non-viscous incompressible flows, flow in open channels.
- PHY 431 – FLUID MECHANICS II (5)** (W)  
One and two dimension compressible flow including isentropic flow, shock waves, friction and heat transfer effects.



**PHY 371 – PHYSICS AND ELECTRONICS FOR HEALTH CAREERS (5) (S,SS)**  
Fundamental physics principles as applied to medical and other technology.

**PHY 491-493 – INDEPENDENT STUDY (15) (F,W,S)**  
The student will work under the supervision of a faculty member on subject material of mutual interest.

### **Program of Study for POLITICAL SCIENCE MAJORS**

#### **Lower Division Preparation:**

As a part of the 90 quarter hours (60 semester hours) of lower division course work necessary to enter this upper division major, the following recommendations should be noted:

#### **Recommended Courses:**

American Government	Ecology
State and Local Government	Psychology
International Relations	Introduction to Statistics
Economics	Foreign Language
Sociology/Anthropology	History

#### **CURRICULUM FOR POLITICAL SCIENCE MAJORS**

Fifty (50) credit hours are required in Political Science, distributed as follows:

- A. Breadth Requirement (25 credit hours) – one 5 credit-hour course in each of the following:
  - Public Law (PL)
  - Public Policy and Administration (PP)
  - Comparative Politics (CP)
  - International Politics (IP)
  - Political Theory (PT)
- B. Depth Requirement (25 credit hours) – 5 courses from any one of the following:
  - Public Policy, Law, and Administration
  - International and Comparative Politics
  - Political Theory and Analysis
- C. Electives: 40 Quarter hours.
- D. Minor in Political Science: 25 Quarter Hours.

**PRE-LAW STUDENTS** – The Department of Political Science recognizes the interests and needs of political science majors who are going to law school. The basic skills important to a pre-law student include: (1) how to think logically, (2) how to read intelligently, and (3) how to express oneself clearly. These skills are developed in any discipline or field. Beyond these basic skills, the Department encourages students to acquire a broad background in political science rather than to select only courses which deal with public law. Thus the requirements for the major allow the pre-law student to develop a wide comprehension of five major areas within political science and then to achieve greater depth of understanding in one broad area. For most pre-law students, that area may be public law, policy, and administration. The Department will counsel students on pre-law school concerns and preparation as an integral part of its overall advising program. In addition, special opportunities will be available to students who are interested in participating in judicial internships.

**PUBLIC AFFAIRS INTERNSHIP** – The Department provides students at several different levels with opportunities for work-study experiences in governmental and nongovernmental agencies. There are six categories of internships available to students: (1) judicial internships, (2) administrative internships, (3) legislative internships, (4) political internships, (5) international internships, and (6) street-level internships. A student may apply up to 10 quarter hours of internship to the major and take as many electives in internship as is desirable with permission of the Department. For further information about the Public Affairs Program, the interested student should contact the Chairman of the Department.

**EVALUATION OF STUDENT RECORDS AND TRANSCRIPTS** – As a general rule, students will receive credits for junior and senior level courses in political science with a grade of C or better. These courses may then be applied to the 50 credit hour requirement for majors in political science.

**SENIOR HONORS PROGRAM** – For a select number of exceptional seniors. This program will approximate some of the advantages of the seminar and tutorial system in the context of a large urban university.

## **POLITICAL SCIENCE**

### **POS 301 – FOUNDATIONS OF POLITICAL SCIENCE (5)**

Examines the basic concepts in political science, including an introduction to the scope of the discipline and representative methods of acquiring knowledge of politics. Enables the student to develop analytical capabilities. Elective credit only for Political Science majors.

### **POS 302 – FOREIGN POLICY FORMATION (5)**

An analysis of how foreign policy decisions are made, including the inputs deriving from societal and cultural characteristics. Attention is given to the decision making process in a number of countries. Gives the student insights into decisions which may affect his life. (IP)

**POS 303 – THEORY AND ANALYSIS OF PUBLIC POLICY (5)**

An intensive examination of the theory and practice of formulating, legitimizing, administering, and evaluating public policy. Includes a discussion of the role of administrators, legislators, courts, interest groups and political parties in these processes. Gives the student an analytical basis for understanding and participating in the making of public policy in a variety of policy areas. (PP)

**POS 304 – GOVERNMENT AND POLITICS OF SOUTH AMERICA (5)**

A cross-national discussion of the political systems and cultures of the Latin American nations, with special emphasis on the larger countries. Attention is given to the role of the military and to the problem of violence in the area. Designed to give the student an overview of the political life of the nations with whom we share this hemisphere. (CP)

**POS 306 – DYNAMICS OF INTERNATIONAL POLITICS (5)**

An examination of the nation-state system. Attention is given to the use of force in international affairs, as well as those organizations, such as the United Nations, which have an international dimension. The course should aid the student in understanding the complexities of world politics. (IP)

**POS 307 – GOVERNMENT AND POLITICS OF THE CARIBBEAN (5)**

Studies the political system of the major British, French, Dutch, and Spanish areas in the Caribbean basin. Although attention is focused on such factors as political party systems, forms of government, and regional politics, emphasis is placed on the developmental problems confronted by small democracies in a nonindustrial setting. Discusses the paradoxes between modernity and tradition throughout the developing Caribbean and the relationship between politics, economics, and culture. Helps the student to understand the dynamics of change in an important area of the world and to compare those dynamics with change in his own country. (CP)

**POS 308 – GOVERNMENT AND POLITICS OF CHINA (5)**

An intensive examination of the major political institutions of mainland China. A critical analysis of changing aspects of traditional relationships in Chinese political culture and major reform movements in contemporary Chinese politics. Allows the student to better understand a nation whose political development will be an important factor in global development. (CP)

**POS 309 – GOVERNMENT AND POLITICS OF THE MIDDLE EAST (5)**

An examination of the political systems of the Middle East. Special attention is given to the military as a political force in the area, and on the role of political ideology. (CP)

**POS 311 – ANCIENT AND MEDIEVAL POLITICAL THEORY (5)**

A study of the major political philosophers of the Ancient and Medieval periods. Primary emphasis will be given to the Greek experience. The nature of political theory as a tradition of discourse will be examined. (PT)

**POS 312 – STATE POLITICS (5)**

A comparative examination of politics and policymaking in the American states. Enables students to understand both the differences and similarities in state and regional politics and the role of the states in intergovernmental relations. (PP)

**POS 313 – GOVERNMENT AND POLITICS OF THE SOVIET  
UNION AND EASTERN EUROPE (5)**

An intensive examination of the political structures and institutions of the Soviet Union and East European Communist states. Particular attention will be paid to the historical and cultural underpinnings of the Soviet regime. The role of Marxist-Leninist ideology in shaping policy processes and content will be given careful analysis. (CP)

**POS 314 – POLITICS OF PUBLIC BUREAUCRACY (5)**

An introduction to the political environment of administrative decision making in public agencies. Special emphasis is placed upon the politics of budgeting, personnel management, organizational requirements, and policy making. (PP)

**POS 316 – GOVERNMENT AND POLITICS  
OF CENTRAL AMERICA (5)**

Examines the political systems of the countries of Central America. Special attention is given to the problem of political restraints on the modernization process and to those regional arrangements which have been created to solve the area's problems. The student should develop a better understanding of a region which has close ties to the United States. (CP)

**POS 317 – THEORY AND METHODOLOGY  
OF INTERNATIONAL RELATIONS (5)**

An intensive examination of the varied approaches to the consideration of international relations. Gives the student an analytical basis for the understanding of relations among states. (IP, PT)

**POS 321 – THE LEGISLATIVE PROCESS (5)**

Surveys the main problems and procedures of the legislative process, including the law-making powers of state and federal legislative bodies. Concentrates on those groups and organizations which affect this process. Helps the student to understand the laws and rules under which he lives. (PP, PL)

**POS 322 – MODERN POLITICAL THEORY (5)**

An analysis of the political thought of the great political thinkers since Machiavelli, culminating with the Nineteenth Century theorists. Basic themes and ideas common to all these political theorists will be discussed in detail. The problem of "modernity" will receive special attention. (PT)

**POS 323 – URBAN POLITICS (5)**

An examination of the processes by which social conflicts in American urban areas are represented and regulated. Emphasis is placed on how urban problems are identified and proposed solutions are formulated, legitimized, and administered by urban policy making processes. Includes a discussion of urban political culture. Enables the student to understand the major problems confronting communities in urban areas. (PP)

**POS 325 – COMPARATIVE PUBLIC POLICY (5)**

An examination of selected policy and governmental systems for purposes of comparative study and analysis. Emphasis is placed upon a determination of similarities, differences, and general patterns and universals among different policy making systems on a cross-cultural basis. Enables the student to make a comparative examination of public policy making. (PP,CP)

**POS 326 – THEORIES OF LATIN AMERICAN POLITICS (5)**

Studies the dynamics of Latin American politics with an emphasis on the role of the military, and the church. Also considers alternative strategies for modernizing the region. (IP,PT)

**POS 331 – THE JUDICIAL PROCESS (5)**

An introduction to the study of public law. Examines the relationship between politics and judicial structure and process. Emphasizes the judicial system as a particular kind of policy-making system and evaluates its strengths and weaknesses from a policy-making perspective. (PL,PP)

**POS 333 – CONTEMPORARY POLITICAL THEORY (5)**

An overview of the major conceptual frameworks used by political theorists to describe, to explain, and to evaluate political behavior and processes. Stress is placed upon political theory not only as a basis for inquiry but also as a base for political action. Will enable the student to develop analytical abilities with which he can interpret the political events of his time. (PT)

**POS 338 – RACE AND POLITICS IN THE CARIBBEAN (5)**

A discussion of the entry of different ethnic and cultural groups in the Caribbean area and an examination of their impact, by the application of specific concepts, upon the political processes and political development in certain states. (CP)

**POS 339 – INTERNATIONAL LAW (5)**

The law of nations, including the laws of war. Includes a discussion of the development of legal norms applicable to the international arena from both Western and nonWestern perspectives. Examines the emerging body of transnational law in social, economic, and technological areas of international relations. Enables the student to appreciate the problems involved in structuring conflict in international relations. (IP, PL)

**POS 341 – POLITICAL PARTIES (5)**

Studies the internal structure, political functions, and behavior of modern political parties. Attention is given to the relationships between political parties and various economic, military, ethnic, and regional interests. Enables the student to understand the problems of expressing and structuring political demands to facilitate or obstruct governmental decision making. (PP)

**POS 342 – CONSTITUTIONAL LAW (5)**

An examination of the principles of American Constitutional law, including a discussion of judicial review, the federal system, liberties protected by the constitution against national and state action, and decisions of the U.S. Supreme Court and their relationship to modern political, social, and economic problems. Enables the student, especially the pre-law student, to understand the structure and operation of the constitutional system in the U.S. (PL)

**POS 348 – INTERNATIONAL ORGANIZATION (5)**

An analysis of the factors and problems involved in administering change on a transnational basis. Stress is placed on the difficulty of applying legal norms to the international arena. Attention is given to those organizations, especially the United Nations, which are entrusted with implementing international agreements. Enables the student to understand the difficulties involved in maintaining world peace. (IP)

**POS 349 – GOVERNMENT AND POLITICS OF ISRAEL (5)**

Studies the major political groupings and variables in Israel. Includes a section on Israeli foreign policy. (CP)

**POS 401 – POLITICAL COMMUNICATION  
AND PUBLIC OPINION (5)**

The way in which political beliefs, attitudes, and roles are learned from childhood through life. Discusses the impact of widely held feelings on the policy-making process and the relationship of such concepts as "image" on public opinion. Aids the student in understanding his own political beliefs. (PP)

**POS 402 – SIMULATION LABORATORY (Variable)**

Playing and modifying political games and simulations within an

experimental laboratory situation. Students will attempt to design scenarios for specific political and administrative situations. (VAR)

**POS 403 – CUBAN POLITICS (5)**

Examines the course of Twentieth Century Cuban politics. It is subdivided into five parts, involving the three periods of relatively stable politics and the two major revolutions which took place. (CP)

**POS 404 – POLITICS OF THE THIRD WORLD (5)**

A consideration of the problems and factors which both retard and generate political life in developing countries. Includes a discussion of the role of ideology in these nations. Enables the student to appreciate the difficulties of applying Western political norms and values to non-Western cultures. (CP)

**POS 405 – GOVERNMENT AND POLITICS  
OF WESTERN EUROPE (5)**

Studies the political systems of the major European countries on a comparative basis. Attention is focused on such factors as political party systems, the cabinet form of government, and the politics of the common market. Considers the implications of the impact of mass society on these nations. Enables the student to better understand the nations which have supplied many of the theoretical foundations of modern politics. (CP)

**POS 406 – COMPARATIVE BUREAUCRACY (5)**

A cross-cultural examination of those complex organizations (governments, political parties, corporations, the military, and educational organizations) which form an integral part of the political process. Special emphasis is placed on the role of the individual in large bureaucratic structures. The student should better understand those complex organizations with which he interacts on a daily basis. (PP, CP)

**POS 407 – INDEPENDENT STUDY (Variable)**

By arrangement with the instructor. (VAR)

**POS 409 – TOPICS IN CARIBBEAN POLITICS (5)**

An intensive examination of selected topics dealing with the Caribbean area. The subjects will vary, depending upon the desires of both students and faculty. (CP)

**POS 411 – THE PRESIDENCY (5)**

An examination of the various interpretations of the Presidency. Attention is directed to the role of the President in a technocratic society. Enables the student to understand one of the most visible, but not always most powerful, political institutions. (PP)

**POS 413 – AMERICAN FOREIGN POLICY (5)**

An examination of the legal, administrative, and political structure

by which American foreign policies are formulated and implemented. Includes a discussion of the objectives and consequences of United States foreign policy in selected regional, social-economic, and ideological areas. Enables the student to understand the procedures by which foreign policy is made and implemented in the United States. (IP, PP)

**POS 417 – ISSUES IN THE ADMINISTRATION  
OF PUBLIC POLICY (5)**

An analysis of the policy consequences of major issues facing political executives and administrators, including planning for the year 2000, bringing government closer to the people, the pathologies of bureaucratization, technology assessment, quantification aids in decision making, needs for policy advice, and experiments in organizational forms. (PP)

**POS 421 – GOVERNMENT AND POLITICS  
OF THE UNITED STATES (5)**

An examination of the origin and development, structure and operation of the government of the United States, with an emphasis on the characteristics and political consequences of federalism. Allows the student to have a better understanding of the political system in which he lives. (PP)

**POS 423 – TOPICS IN URBAN  
POLITICS AND POLICY (5)**

An examination of the processes by which social conflicts in American urban areas are represented and regulated. Emphasis is placed on how urban problems are identified and proposed solutions are formulated, legitimized, and administered by urban policy making processes. Includes a discussion of urban political culture. Enables the student to understand the major problems confronting communities in urban areas. (PP)

**POS 424 – SOVIET FOREIGN POLICY (5)**

An analysis of the basic characteristics of Soviet foreign policy. The role of history and Marxist-Leninist ideology in the shaping of Post-World War Two Soviet foreign policy will be analyzed. (IP, PP)

**POS 427 – AMERICAN POLITICAL THOUGHT (5)**

An examination of American political thought from their 17th Century origins to the contemporary period. The continuities and discontinuities in the development of American political ideas since colonial times will receive special attention. (PT)

**POS 428 – EDUCATIONAL POLICY  
IN THE UNITED STATES (5)**

An intensive examination of the theory and practice of formulating, legitimizing, administering, and evaluating educational policy on



local, state and federal levels. Includes a discussion of the roles of administrators, legislators, courts, interest groups, political parties, and public and private agencies in the policy making process regarding education. Enables the student to understand how policy is made in an area of vital concern to him. (PP)

**POS 429 – CONFLICT AND COOPERATION  
IN THE CARIBBEAN (5)**

An analysis of the institutions and processes promoting and inhibiting regional cooperation in the Caribbean area. Designed to enable the student to appreciate the trend toward regionalism and the problems of interstate relations in this microcosm of the world. (CP, IP)

**POS 431 – POLITICAL VIOLENCE AND REVOLUTION (5)**

An examination of political violence and revolution in coping with and solving political problems. Includes a comparative discussion of the role of violence and revolution in other countries. Enables the student more clearly to understand the manifestations of political violence and revolution in the political events of his own time. (PT)

**POS 432 – GOVERNMENT AND POLITICS OF FLORIDA (5)**

An examination of the structure and function of state government in Florida, including a survey of the political and social institutions which have developed in Florida. Emphasizes Florida political culture, group development and activity, power structures, and reform movements. The characteristics of Florida's political problems and proposed solutions are evaluated. (PP)

**POS 437 – POLITICAL AND SOCIAL CHANGE  
IN LATIN AMERICA (5)**

The major internal and external factors making for change in Latin America, such as industrialization, land reform, bureaucratic professionalism, and education. The role of the United States as a change agent in the area receives special attention. Enables the student to understand the dynamics of change in this important area and to compare these processes with events in his own country. (CP)

**POS 439 – ENVIRONMENTAL POLITICS AND POLICY (5)**

A systematic examination of environmental policy making which emphasizes the various steps involved in transforming private preferences into authoritative public policies. Special attention is directed at the unique political problems posed by pollution, preservation of natural areas, natural resource management, population dynamics, and ecological imperatives. Designed to enable the student, particularly the environmental studies student, to understand the overlapping policy matrices which constrain environmental action. Should enable student to identify critical decision points in the environmental policy-making process. (PP)

**POS 441 – INTERNATIONAL DEVELOPMENT (5)**

Examines the processes of modernization and development on a global basis. Includes an examination of the role of the "developed" countries in the modernization efforts of Latin America, Asia, and Africa. Discusses the role of international organizations, such as the United Nation's development agencies, in the modernization and development processes. Enables the student to appreciate the enormous tasks confronting the majority of humanity. (IP)

**POS 444 – POLITICAL IDEOLOGIES (5)**

An analysis of modern political ideologies since the French Revolution, including liberalism, conservatism, and socialism. Particular emphasis will be given to Marxism. The contemporary link between ideology and totalitarianism will be examined. (PT)

**POS 448 – GOVERNMENT AND POLITICS OF MEXICO (5)**

An intensive examination of one of the most important Latin American nations. Attention is given to the political impact of the Mexican revolution and to the behavior of the dominant political party. Includes a section on Mexican history and culture. Allows the student to study life in a single, unique political system and thus to better understand his own. (CP)

**POS 449 – INTERNATIONAL RELATIONS OF THE CARIBBEAN (5)**

A discussion of the role of Caribbean states in world affairs with particular emphasis upon their participation in the U.N., the O.A.S. and bloc politics. The interactions of Cuba in the international system will also be analyzed. (IP)

**POS 452 – INTEREST GROUP POLITICS (5)**

An examination of the various types of voluntary associations which seek to influence the political process. Special attention is given to the role of private power in a pluralist system. Enables the student to understand the ambivalent American attitude towards pressure groups and lobbying activities in the legislative and administrative arenas. (PP)

**POS 453 – INTERNATIONAL CONFLICT AND  
MODES OF SOLUTION (5)**

An examination of the way in which international crises are developed, including a consideration of their historical, geographical, economic, ideological, and strategic bases. Emphasis is placed on strategies and modes of resolving national conflicts. Enables the student to understand the dynamics of conflict on an international basis. (PT, IP)

**POS 455 – POLITICS AND THE ARTS (5)**

Employs the arts as a tool of analysis for political science. Includes literature, painting, music, and film. Special attention is given to the relationship between popular culture and political system. (PT)

**POS 459 – THE INTERNATIONAL RELATIONS  
OF THE MIDDLE EAST (5)**

A general examination of the complex relationships between this vital part of the world and the major powers. Special attention is given to the Arab-Israeli dispute. (IP)

**POS 461 – TOPICS IN POLITICS (Variable)**

Subject matter varies according to instructor. (VAR)

**POS 463 – ETHNIC POLITICS (5)**

An examination of the influence of major ethnic groups on American politics. Special attention will be given to black, Cuban-American and Puerto Rican interest groups. (PP)

**POS 464 – LATIN AMERICAN  
INTERNATIONAL RELATIONS (5)**

Studies both Latin America's relations with other areas of the world as well as relationships between the various nations of that continent. Emphasis is given to the historical development of the United States-Latin American relations on the political, economic, and cultural levels. The student should develop an understanding of how his country has affected Latin America and how the Latin Americans view his society. (IP)

**POS 471-472-473-474 (PUBLIC AFFAIRS INTERNSHIPS) (Variable)**

An opportunity for the student to participate in a selected policy area within one of the communities of South Florida. The nature of the work to be accomplished in connection with the internship will be worked out between student and advisor:

POS 471 – LEGISLATIVE INTERNSHIP

POS 472 – JUDICIAL INTERNSHIP

POS 473 – ADMINISTRATIVE INTERNSHIP

POS 474 – INTERNATIONAL INTERNSHIP

**POS 475 – SOVIET-LATIN AMERICAN RELATIONS (5)**

Examines Soviet activities and interests in Latin America. Emphasis is placed upon the importance of the Soviet Union as a model for Latin America and upon Cuban-Soviet relations. (IP)

**POS 512 – TOPICS IN POLITICAL  
PROCESSES AND BEHAVIOR (Variable)**

An intensive examination of selected topics dealing with the political process. The subjects will vary, depending upon the desires of both students and faculty. Allows the student to choose topics of particular interest to him. (VAR)

**POS 513 – TOPICS IN POLITICAL**

**ANALYSIS AND METHODOLOGY (Variable)**

An intensive examination of selected topics dealing with political analysis and methodology. The subjects will vary, depending upon the desires of both students and faculty. Allows the student to choose topics of particular interest to him. (VAR)

**POS 518 – INDEPENDENT STUDY (Variable)**

By arrangement with the instructor.

**POS 533 – FLORIDA CONSTITUTIONAL LAW (5)**

An intensive examination of the principles of the Florida Constitution and of the role of the State Supreme Court. Emphasizes the relationship between state constitutional law and contemporary political, social, and economic problems in the state. (PL)

**POS 541 – TOPICS IN EDUCATIONAL POLICY (Variable)**

An intensive examination of selected topics dealing with educational policy. The subjects will vary, depending upon the desires of both students and faculty. (VAR)

**POS 552 – TOPICS IN PUBLIC POLICY (Variable)**

An intensive examination of selected topics dealing with public policy. Subjects will vary, depending upon the desires of both students and faculty. Allows the student to choose topics of particular interest to him. (VAR)

**POS 553 – TOPICS IN PUBLIC LAW (Variable)**

An intensive examination of selected topics in the field of public law. The subjects will vary, depending upon the desires of both students and faculty. (VAR)

**POS 559 – THE MULTI-NATIONAL CORPORATION  
AND CARIBBEAN DEVELOPMENT (5)**

An analysis of the development and role of the multi-national corporation in the Caribbean area, emphasizing its implications for political and economic development of certain states. (CP, IP)

**POS 566 – TOPICS IN POLITICAL THEORY (Variable)**

An intensive examination of selected topics dealing with political theory. The subjects will vary, depending upon the desires of both students and faculty. Allows the student to choose topics of particular interest to him. (VAR)

**POS 572 – TOPICS IN POLITICS (Variable)**

Subject matter varies according to instructor. (VAR)

**POS 586 – TOPICS IN INTERNATIONAL POLITICS (VAR)**

An intensive examination of selected topics with an international dimension. Subjects will vary, depending upon the desires of both students and faculty. Allows the student to choose topics of particular interest to him. (VAR)

**POS 587 – TOPICS IN INTERNATIONAL  
LAW (Variable)**

An intensive examination of selected topics in international law. Subjects will vary, including for instance, the political dimension of international law, depending upon the desires of both students and faculty. Allows the student to choose topics of particular interest to him. (VAR)

**POS 588 – TOPICS IN COMPARATIVE  
POLITICS (Variable)**

An intensive examination of selected political topics from a cross-national point of view. The subjects will vary, depending upon the desires to both students and faculty. Allows the student to choose topics of particular interest to him. (VAR)

**POS 605 – SEMINAR IN COMPARATIVE POLITICS (VAR)**

**POS 615 – SEMINAR IN PUBLIC POLICY (VAR)**

**POS 617 – SEMINAR IN INTERNATIONAL POLITICS (VAR)**

**POS 618 – SEMINAR IN URBAN SYSTEMS (VAR)**

**POS 619 – SEMINAR IN PUBLIC POLICY AND  
HEALTH PLANNING (VAR)**

**POS 625 – INTERNSHIP IN PUBLIC POLICY (VAR)**

**POS 683 – TOPICS IN POLITICS (VAR)**

Subject matter varies according to instructor.

**Program of Study  
for  
PSYCHOLOGY MAJORS**

**Lower Division Preparation:**

As a part of the 90 quarter hours (60 semester hours) of lower division course work necessary to enter this upper division major, the following recommendations and/or requirements should be noted:

**Required Course:**  
Introductory Psychology

**Florida International University Program of Study:**

**Required Courses:**

Psychology courses to include the following: 45-60 quarter hours  
Basic Experimental Psychology  
Laboratory (PSY 349)  
Overview of Psychology  
(Senior Year) (PSY 489)  
One Other Laboratory Course

In addition to PSY 349 and PSY 489 the student shall take one course in at least two of the following areas and shall be expected to study any one area in depth:

Community,  
Developmental, Experimental, Industrial,  
Personality, Social

**Required Courses Outside Major:**

Mathematics 307 Introduction to Statistics

At least one upper division course in two of the following departments:

Economics  
Government/Political Science  
Sociology/Anthropology

**Remarks:**

**AB with Honors:**

Application must be made and departmental approval granted before the third quarter of the junior year to undertake an independent project which must be approved by and carried out under the supervision of a member of the Department. Upon completion of the study, a satisfactory oral defense of the work must be presented to a Departmental Committee.

Students who have not completed the statistics requirement prior to admission will be required to complete MAS 307-Introduction to Statistics or its equivalent during their first or second quarter of enrollment at Florida International, and before taking any laboratory courses in psychology.

Nonpsychology majors may enroll in any psychology course provided that they have successfully completed an introductory course in psychology or its equivalent, and meet the specific course requirements.

## PSYCHOLOGY

**PSY 300 – INTRODUCTORY PSYCHOLOGY (5) (F,SS)**

Psychological principles underlying basic processes such as perceiving, learning, thinking, motivation and emotions. Students will be introduced to theories and research methods in terms of their contributions to contemporary psychology. This course will not

count towards the major in psychology. It is designed for non-majors and is a prerequisite for majors who have not had an introductory course in psychology.

**PSY 305 – INTRODUCTORY EDUCATIONAL PSYCHOLOGY (5) (F,W,S,SS)**

An introduction to the ways in which the principles of psychology apply to educational practices, considering aspects of the basic processes such as development, learning, individual differences and adjustment, with special reference to the problems of teacher effectiveness and teacher-student interaction. This course is designed for students who have not had a prior course in Educational Psychology. While not designed as a course for Psychology majors, it may, under special petition, be counted as meeting an elective requirement in Psychology.

**PSY 307 – HUMAN GROWTH AND DEVELOPMENT (5) (F,S,SS)**

An introductory study of the development of personality, intelligence, and motivation from childhood to adulthood, emphasis will be placed on development of cognitive systems through social learning. This course is designed primarily for students enrolled in the Schools of Education and Health and Social Services. Students planning to major in Psychology should enroll in PSY 330.

**PSY 310 – PSYCHOLOGY OF WOMEN (5) (F)**

An examination of women from various perspectives, such as biological, anthropological, mythological, religious, historical, legal, sociological and psycho-analytical points of view. Discussion of how these various perspectives influence the psychological development of contemporary women.

**PSY 311 – PSYCHOLOGY OF DRUGS AND  
DRUG ABUSE (5) (W)**

This course will cover some basic information about the nature and effects of the families of drugs abused, the social and personal dynamics involved in the phenomena of drug abuse and the various rehabilitation programs currently being employed to combat drug abuse.

**PSY 320 – INTRODUCTION TO  
COMMUNITY PSYCHOLOGY (5) (F,S)**

An introduction to the issues and scope of community psychology. Students will be exposed to the development of community psychology as a growing discipline. Particular emphasis will be placed on the role of the community psychologist as an agent of social change.

**PSY 321 – PSYCHOLOGY OF RACISM (5) (W)**

Consideration will be given to the nature and development of

institutional racism in America. The historical, social, economic and psychological aspects of racism will be examined.

**PSY 322 – PSYCHOLOGY OF THE DISADVANTAGED (5) (S)**

This course will examine the psychological aspects of the concept of the "disadvantaged" in terms of contemporary society. Data from studies of so-called disadvantaged groups will be examined in terms of the types of groups, cultural, ethnic and social environments.

**PSY 330 – INTRODUCTORY DEVELOPMENTAL PSYCHOLOGY (5) (F,W,SS)**

An introduction to human development focusing on infancy and childhood. Particular attention will be devoted to intellectual, personality, and social development. Consideration will be given to both theoretical and empirical perspectives. This course or its equivalent must be completed successfully before students may enroll in most 400 and 500 level courses in developmental psychology.

**PSY 331 – PSYCHOLOGY OF ADOLESCENCE (5) (W)**

An examination of the psychological, sociological and biological factors contributing to the changes from childhood to adolescence and from adolescence to young adulthood.

**PSY 332 – PSYCHOLOGY OF ADULTHOOD AND AGING (5) (S)**

The transition from youth to middle age, and from middle age to old age will be studied. Focus will be placed on changing roles in family, work, and societal settings as these factors influence personality and other aspects of psychological function. (Offered alternate years.)

**PSY 349 – BASIC EXPERIMENTAL PSYCHOLOGY LABORATORY (6) (F,W,S)**

Lectures and laboratory exercises illustrative of concepts and techniques employed in the execution of human psychological experiments. Students who have not had an introductory course in statistics should first successfully complete MAS 307 or its equivalent.

**PSY 350 – INDUSTRIAL PSYCHOLOGY (5) (F,S)**

Introduction to the study of behavior in the work environment with particular emphasis upon the social context. Illustrative topics include organizational behavior, leadership and supervisory behavior, job satisfaction, performance and evaluation, training, personnel selection, worker expectancies, etc.

**PSY 360 – THEORIES OF PERSONALITY (5) (F,S)**

An examination of various theories of personality. Consideration will be given to traditional and contemporary approaches to personality development.



- PSY 361 – MOTIVATION AND EMOTION (5) (F,W)**  
 Introduces several perspectives from learning theory, perception, and personality theory to explore why and how people move through their physical and social environment.
- PSY 370 – INTRODUCTORY SOCIAL PSYCHOLOGY (5) (F,W)**  
 Introduction to the study of the relationship of the individual to Social Systems including topics such as social behavior, attitude development and change, social conflict, group processes, mass phenomena and communication.
- PSY 371 – APPLIED SOCIAL PSYCHOLOGY (5) (W)**  
 Application of principles and methods of social psychology to behavior of substance in the life of the individual student. Emphasis on user-applied information about behavior, and in particular interpersonal behavior applications. Content and practical applications rather than in-class experience or research findings will be emphasized.
- PSY 410 – ENVIRONMENTAL PSYCHOLOGY (5) (W)**  
 An introduction to the man-environment interaction, including psychological, sociological and physical aspects.
- PSY 411 – PSYCHOLOGY OF SCIENTIFIC CONTROVERSIES (5) (F)**  
 The "anatomy" of controversies is analyzed with respect to their essential psychological qualities and role in the process of scientific development. This evaluation is considered in terms of the relationship between orthodoxy and the social nature of scientific progress. Some knowledge of science and scientific methods is desirable for this course.
- PSY 412 – PSYCHOLOGY OF LANGUAGE (5) (W)**  
 An overview of the psychology of language and the psychological "reality" of linguistic structures, behavioristic vs. cognitive views of psycholinguistics will be examined. Consideration will be given to the biological basis of language, language and thought, language acquisition, and language pathology.
- PSY 413 – PRINCIPLES AND THEORIES OF BEHAVIOR MODIFICATION (5) (S)**  
 Studies different approaches to the modification of problem behavior through the application of learning principles and theories.
- PSY 420 – PSYCHOLOGICAL ASPECTS AND TECHNIQUES OF INSTITUTIONAL CHANGE (5) (W)**  
 An examination of methods of implementing institutional change. Consideration will be given to alternatives such as violent vs. non-violent confrontation, the use of information as an instrument of change and others.

- PSY 421 – TOPICS IN COMMUNITY PSYCHOLOGY (5) (S)**  
Various topics and current methods in community psychology will be covered. Students enrolled in this course will focus on the psychological aspects of various community problems such as drugs, racism, overpopulation, ecology, militarism, women's liberation, the youth movement, etc.
- PSY 429 – COMMUNITY PSYCHOLOGY FIELD EXPERIENCES I (6) (F)**  
Students will be organized into task oriented teams or will work independently in the community for the purpose of becoming familiar with various community institutions and for developing an action plan for assisting institutions in implementing change. Students enrolled in this course should have successfully completed Introductory Community Psychology and Psychological Aspects and Techniques of Institutional Change.
- PSY 430 – LANGUAGE ACQUISITION (5) (S)**  
An examination of how children acquire language, based on experimental findings from contemporary linguistic, psycholinguistic and behavioral theory.
- PSY 431 – COGNITIVE DEVELOPMENT (5) (S)**  
An examination of developmental changes in the nature of children's thought processes. Particular emphasis will be given to the theories of Jean Piaget. Prerequisite: Students should have successfully completed a course in introductory developmental psychology or its equivalent.
- PSY 432 – CHILDREN'S LEARNING (5) (W)**  
Learning in infancy and childhood with particular emphasis on simple conditioning, discrimination – shifts, mediation, transposition, observational and concept learning will be studied. Students enrolling in this course should have completed successfully at least one prior course in developmental psychology.
- PSY 433 – SOCIAL AND PERSONALITY DEVELOPMENT (5) (W)**  
An examination of the genetic, familial, and societal factors influencing the development of a child's personality and his social behavior. (Offered alternate years.)
- PSY 439 – DEVELOPMENTAL PSYCHOLOGY LABORATORY (6) (F,S)**  
Laboratory/observation exercises illustrative of the concepts and research techniques used in developmental psychology. Particular emphasis will be given to cognitive and social-cognitive development. Students should have successfully completed at least two courses in developmental psychology, and should obtain the permission of the instructor.

- PSY 440 – CURRENT EXPERIMENTAL THEORIES (5) (F,S)**  
 The stress in this course is upon current specific theories determining the nature and direction of the research and interest in the several important areas such as psychophysics learning and remembering, developmental patterns and motivation, personality, etc. Topics to be covered will be announced at the beginning of the academic year. May be taken twice for credit toward the major.
- PSY 441 – PERCEPTUAL PROCESSES (5) (W)**  
 Study of the processes by which the environment is perceived. Topics include sensory foundations and physical concepts of perceiving; effects of individual and social factors on perceptual organization.
- PSY 442 – COGNITIVE PROCESSES (5) (S)**  
 A course stressing the cognitive approach to experience and behavior. Special emphasis is placed on theory and research relating to organizing processes and operations central to the acquisition of knowledge.
- PSY 443 – INTRODUCTORY BIO-PSYCHOLOGY (5) (F)**  
 A study of the more important psychobiologic correlates of behavior in basic psychological phenomena. Open only to majors in the senior year or otherwise qualified students.
- PSY 449 – HUMAN LEARNING AND REMEMBERING  
 LECTURES AND LABORATORY (6) (S)**  
 Lectures on the research and theoretical contributions to the understanding of human learning and remembering, and laboratory exercises illustrative of the concepts and techniques used in the conduct of experimental studies of human learning and remembering. Students who have not had Basic Experimental Psychology Laboratory should first complete successfully PSY 349.
- PSY 450 – ORGANIZATIONAL PSYCHOLOGY (5)**  
 Survey of the theoretical and methodological issues in the study of organizational structures and environments, focusing on social processes as constraints on organizational functioning.
- PSY 451 – PERSONNEL PSYCHOLOGY (5)**  
 Techniques and procedures applicable to the selection, placement, utilization and evaluation of personnel in organizations. The emphasis will be upon empirical procedures rather than the management function in personnel. Topics such as quantitative methods for selection, performance appraisal, validation of measures of performance, and satisfaction criteria will be discussed.
- PSY 460 – PSYCHOLOGY OF INDIVIDUAL DIFFERENCES (5)**  
 The uniqueness of each human being is discussed with reference to

human differences and similarities. Principles and theories of contemporary psychological tests which underlie personality, intellectual and skill differences are presented.

- PSY 461 – ABNORMAL PSYCHOLOGY (5) (W,S)**  
Various forms of behavior pathology are examined in the light of traditional and current concepts of mental health and illness. Problems of diagnosis and treatment will be discussed. Role of social mores is adduced.
- PSY 462 – TOPICS IN PERSONALITY (Variable) (F,W,S,SS)**
- PSY 470 – INTERPERSONAL INTERACTION (5) (S)**  
Research methods and findings on the topic of interpersonal interaction in face-to-face situations. Emphasis on content of research methods and findings rather than in-class experiences. Students wishing to enroll should have successfully completed an introductory course in social or applied social psychology or its equivalent.
- PSY 471 – SMALL GROUP BEHAVIOR (5) (F,W)**  
Introduction to the study of the structure and function of groups emphasizing the behavior of individuals as affected by the group. The course will focus upon experimental evidence concerning such topics as social facilitation, group decision making, phases in group development, physical factors in group behavior, etc., rather than upon student personal experience in sensitivity or encounter training.
- PSY 472 – EXPERIMENTAL SOCIAL PSYCHOLOGY (5) (W)**  
Analysis of theories and data from the field of experimental social psychology.
- PSY 479 – EXPERIMENTAL SOCIAL PSYCHOLOGY LABORATORY (S)**  
The primary purpose of this course is to have students conduct actual social psychological experiments. Lecture material will be secondary to and in the interest of allowing students to execute representative experiments in areas such as attitude measurement and change, conformity, group structure and communication, etc.
- PSY 480 – SPECIAL TOPICS IN PSYCHOLOGY (Variable)**
- PSY 481 – PSYCHOLOGY ASPECTS OF INTERNATIONAL RELATIONS AND CONFLICT (5) (W)**  
A study of the psychological, especially social, factors in the dynamics of international behavior interactions which may increase or decrease tensions and conflicts.
- PSY 482 – ATTITUDES AND ETHNICITY: A CROSS-CULTURAL PSYCHOLOGICAL APPROACH (5)**  
Comparative study of the attitudes and practices of racial and ethnic groups toward each other in a variety of cultural and national settings.

**PSY 482 – PSYCHOLOGICAL INFLUENCE OF CULTURE  
ON LEARNING AND THINKING (5)**

An analysis of the research and theory relating cultural and societal influences of learning and thinking. Consideration will be given to the controversies concerning assessment, individual and group differences. Prior course work in developmental psychology would be helpful.

**PSY 489 – OVERVIEW OF PSYCHOLOGY (5) (W)**

A consideration of the historical origins and developments of modern psychology as a viable discipline, in the light of the major influences upon its growth. Enrollment will be limited to students who have satisfactorily completed at least 20 quarter hours in upper division psychology courses.

**PSY 499 – HONORS RESEARCH PROJECT (Variable)**

Limited to qualified seniors seeking honors in psychology. Students must submit a research plan and have a research advisor selected who has approved the research project prior to enrollment in the course. A written report of the research in the A.P.A. publication style must be submitted for evaluation before credit will be awarded.

**PSY 510 – PSYCHOLOGICAL FACTORS IN IDENTIFICATION AND  
ALIENATION IN CHILDHOOD AND ADOLESCENCE (5)**

An intensive study of the issues and research dealing with the psychological, cultural and sociological factors leading to individual and group identification and alienation during childhood and adolescence. Successful completion of an introductory course in developmental psychology or its equivalent is necessary prior to enrollment in this course.

**PSY 529 – COMMUNITY PSYCHOLOGY FIELD EXPERIENCES II (5) (W)**

Same orientation and description as Field Experience I. Students in this course will be able to pursue their work with community institutions in more depth. Students enrolled in this course must have completed Field Experience in Community Psychology I.

**PSY 530 – CULTURE AND CHILDHOOD (5) (W,S)**

An examination of cultural and societal influences on children's motor, perceptual, intellectual, and personality development. Extensive readings in the cross-cultural research literature will serve as the focus for class discussions and independent projects. Students should have successfully completed at least two courses in developmental psychology or should obtain the permission of the instructor. The course is designed for seniors and graduate students with backgrounds in Psychology and/or Anthropology.

**PSY 531 – DISORDERS OF LANGUAGE IN CHILDHOOD (5) (F)**

This course focuses on the failure of children to acquire normal speech and language. The various causes of such disorders and

theories to account for failure to acquire language are considered. Techniques for assessing language disorders in children are evaluated. Students enrolling in this course should ordinarily have completed at least one course in developmental psychology.

**PSY 540 – HUMAN FACTORS (5) (S)**

Basic data and theories of human factors. Focus is on the information processing demands associated with man-machine interaction and on equipment design as it pertains to these demands.

**PSY 541 – BIO-PSYCHOLOGY I: SENSATION  
PERCEPTION (5)**

Topics included are: neural excitation and conduction, synaptic processes and integrating mechanisms, and psychophysiology of sensation and perception. (Offered alternate years.)

**PSY 542 – BIO-PSYCHOLOGY II: MOTIVATION AND LEARNING (5)**

A study of the neurophysiologic hormonal factors in behavior. Topics included are: nature of the neural mechanisms and hormonal contributions; neurology of learning; psycho-pharmacology; neural and humoral mechanisms of motivation. (Offered alternate years.)

**PSY 559 – INDUSTRIAL PSYCHOLOGY LABORATORY (6)**

Students will gain experience with the use of industrial psychological instruments in areas such as selection tests, performance appraisals, job analysis, job satisfaction measures, criteria analysis, etc.

**PSY 560 – PERSONALITY DYNAMICS (5) (S)**

A review of different approaches to the study of personality dynamics. Special consideration is given to psychoanalysis and neo-analytic psychology. Other personality theories influencing modern psychological thought are also considered. Students should have successfully completed a course in theories of personality or its equivalent. Instructor's permission is required.

**PSY 561 – CURRENT ISSUES IN MENTAL HEALTH (5)**

Different approaches to the treatment of behavioral disorders are studied. The role of preventive measures in promoting mental health is emphasized. Different aspects of the therapeutic relationship, as well as professional and ethical issues are considered. Students should have successfully completed one course in abnormal psychology. Instructor's permission is required.

**PSY 562 – HUMANISTIC PSYCHOLOGY (5)**

Studies the methodology research and findings of the humanistic orientation in psychology. Topics such as creativity, psychotherapy, encounter groups and religion are examined from the humanistic viewpoint. Students should have successfully completed one course in Theories of Personality or its equivalent. Instructor's permission is required.

**PSY 569 – DIFFERENTIAL PSYCHOLOGY LABORATORY (6) (F,S)**

Lectures and laboratory field experiences in the principles and methods underlying the administration, construction and evaluation of psychological tests, and practice in the administration and interpretation of selected psychological tests. Students who have not had an introductory course in statistics should first complete successfully MAS 307 or its equivalent.

**PSY 570 – ADVANCED SOCIAL PSYCHOLOGY (5) (W)**

An in-depth examination of the role of social psychology in the social sciences and the major substantive problems as they relate to contemporary societal issues. Students enrolling in this course should have completed successfully at least an introductory course in social psychology or its equivalent.

**PSY 580 – SPECIAL TOPICS IN PSYCHOLOGY (Variable) (F,W,S,SS)**

**PSY 590 – INDEPENDENT READINGS IN PSYCHOLOGY (Variable) (F,W,S,SS)**

Limited to qualified students who have permission from a faculty member and who present a plan of study including area and objectives. Students enrolled in this course will be expected to have regularly scheduled meetings with their faculty advisor, and to submit a written report of their study.

**PSY 591 – INDEPENDENT FIELD EXPERIENCES IN PSYCHOLOGY (Variable) (F,W,S,SS)**

Limited to qualified students who have permission from a faculty member and who present a plan of study including area and objectives. Students enrolled in this course will be expected to have regularly scheduled meetings with their faculty advisor, and to submit a written report of their experiences.

**PSY 592 – INDEPENDENT RESEARCH IN PSYCHOLOGY (Variable) (F,W,S,SS)**

Limited to qualified students who have permission from a faculty member and who present a plan of study including area and objectives. Students enrolled in this course will be expected to have regularly scheduled meetings with their faculty advisor, and to submit a written report of their study.

**PSY 601 – SPECIAL TOPICS IN EDUCATIONAL PSYCHOLOGY (Variable)**

An intensive analysis of a particular topic in educational psychology. Students will have to have topics approved by the instructor prior to registration. Open only to advanced and graduate students in the School of Education.

**Program of Study  
for  
INTERDISCIPLINARY PROGRAM  
IN SOCIAL SCIENCE**

**Lower Division Preparation:**

As a part of the 90 quarter hours (60 semester hours) of lower division course work necessary to enter this upper division major, the following recommendations and/or requirements should be noted:

**Required Courses:** None

**Recommended Courses:**

Anthropology  
Economics  
Political Science  
Psychology  
Sociology  
Urban/Environmental Studies  
Mathematics  
Philosophy  
Statistics

**Florida International University Program of Study:**

**Required Courses:**

Social Science Courses 45-60 quarter hours

This must include at least  
one upper division course from  
the following departments:

Economics  
Political Science and Government  
Psychology  
Sociology/Anthropology

Non-Social Science Courses

Mathematics 307 – Introduction to Statistics 5 quarter hours

**Remarks:** In addition to the above requirements, students are required to elect the senior year interdisciplinary interdepartmental seminar on the integration of the social sciences and complete an independent project carried out under the supervision of a faculty committee and present an oral defense of their work.

Students who have not completed the statistics requirement prior to admission will be required to complete MAS 307 Introduction to Statistics or its equivalent during the first or second quarter of their enrollment at Florida International.



## SOCIAL SCIENCES

### SSC 500 – SOCIAL SCIENCES ADVANCED INTERDISCIPLINARY SEMINAR (5)

An interdisciplinary study group in social science. Faculty and students from the various social science departments participate in problem-oriented workshops. Topics to be announced. Open also to advanced students outside the social sciences.

### Program of Study for SOCIOLOGY AND ANTHROPOLOGY MAJORS

Sociology is part of the Department of Sociology and Anthropology and all information should be obtained from that department's office.

#### Lower Division Preparation:

Ninety quarter hours (60 semester hours) or the AA degree from a community college; work should be pre-Arts and Sciences, or pre-Anthropology or Sociology if such programs exist. If the student does not have an AA degree, his background must reflect an ability to handle advanced academic work.

The quarter hours of lower division course work should include the following:

#### Required Courses:

Introduction to Cultural Anthropology, or Introduction to Physical Anthropology, or Introduction to Sociology

#### Recommended Courses:

Other Anthropology or Sociology courses.

Other Social Science courses (Ecology, Economics, Geography, History, Political Science, Psychology).

Other Arts and Sciences courses (Arts, Biology, English, Foreign Language, Mathematics, Philosophy).

#### Florida International University Program of Study:

#### Program Requirements:

60 quarter hours in departmental major

30 quarter hours in electives

#### Required Courses:

Sixty quarter hours in the departmental major will be divided as follows:

#### Core Courses:

Anthropological Theories

(ASC 301)

Sociological Theories

(ASC 302)

Research Methods

(ASC 303)

Ethical Issues in Social Science Research

(ASC 304)

20 quarter hours

**Area Courses:**

For a concentration in anthropology, a mix of 25 quarter hours of anthropological and 15 quarter hours of sociological course work is recommended.

For a concentration in sociology, a mix of 25 quarter hours of sociological and 15 quarter hours of anthropology course work is recommended.

**Electives:** 30 quarter hours  
Electives need the approval of your faculty advisor.

A course in introductory statistics is strongly recommended for students concentrating in sociology.

Students with special interests may consult faculty advisors for individualized programs.

**Field Work Experience:**

A meaningful understanding of anthropology and sociology can best be developed through the interplay between theory and research. Each student will be encouraged to work outside of the formal classroom under faculty supervision.

## SOCIOLOGY

**ASC 301 – ANTHROPOLOGICAL THEORIES (5)**

This course examines the process of theory building and explanation in the social sciences and outlines the historical and philosophical foundations of anthropological thought. Theorists and schools of thought reviewed include Darwin and evolution, Boas and historical particularism, Freud and culture and personality, and Malinowski and functionalism.

**ASC 302 – SOCIOLOGICAL THEORIES (5)**

Examines the emergence of sociology as the study of social relations. Compares and contrasts the work of selected theorists with respect to their methodologies, treatment of the emergence and consequences of modern society, political sociology, conception of social class and analysis of the role of religion in society. The student is expected to gain in-depth knowledge of opposing theories as well as an appreciation of the contingent nature of sociological theories.

**ASC 303 – RESEARCH METHODS (5)**

An introduction to the scientific method and its application to anthropological and sociological research. Topics include formulation of research problems, research design, field methods and collection of data, hypothesis testing and interpretation of results.

**ASC 304 – ETHICAL ISSUES IN SOCIAL SCIENCE RESEARCH (5)**

**SOC 301 – THE SCOPE OF SOCIOLOGY (5)**

Introduction to the field of sociology with particular emphasis on scope and limitations. Basic but major divisions of the discipline will be introduced. Vocabulary, conceptualizations, research approaches, and vocational opportunities will be reviewed. The relationship of theory and empirical study will be stressed. (Also recommended for non-majors.)

**SOC 311 – THE INDIVIDUAL IN SOCIETY (5)**

Introduction to the study of the individual as a social being with particular emphasis on man's social origins, human perceptions, and the interaction of the individual and the group in society.

**SOC 312 – SMALL GROUPS (5)**

Survey of small group studies, their development and the associated theoretical schools of thought. The significance of small group studies for social theory is evaluated.

**SOC 313 – COLLECTIVE BEHAVIOR (5)**

The study of human behavior as found in relatively unstructured forms such as crowds, riots, revivals, public opinion, social movements, and fads. The interplay of such behavior and the rise of new norms and values are analyzed.

**SOC 321 – CRIMINOLOGY (5)**

An introduction to the study of criminal behavior, its evidence in society, society's reaction to the subjects involved, and the current state of theoretical thought on causality and treatment.

**SOC 322 – DELINQUENCY (5)**

An analysis of behavior which is extra legal with major concentration on its appearance among young people (juveniles) and society's response. Particular emphasis is given to the dynamic thrusts being made in establishing juvenile rights as a distinct part of human or civil rights.

**SOC 323 – SOCIAL DEVIANCY (DEVIANT BEHAVIOR) (5)**

The study of behavior that counters the culturally accepted norms or regularities. The social implications of deviancy are reviewed and theoretical formulations regarding deviant behavior are analyzed.

**SOC 331-332-333-334-335 – COMMUNITY SOCIOLOGY COURSES (5)**

Special courses dealing with community programs such as Model Cities, voluntary organizations, United Fund, inner city schools, public service agencies. Faculty will come from community agencies, and course work will focus on local problems.

**SOC 341 – THE COMMUNITY (5)**

The social group known as the community is identified and analyzed

for its distinctive qualities. By distinguishing it from other social groups its dominating force on the behavior of its members is recognized. Attention is given to the interaction of individuals and groups as they exist within the community.

**SOC 342 – THE SOCIAL SYSTEM (5)**

The study of society as a system, the benefits of such a conceptual approach, and related theoretical constructs are compared.

**SOC 343 – SCHOOL AND SOCIETY (5)**

A specialized course dealing with the place of schools (particularly public) in society and the import of social criteria for school personnel and the influence of such criteria on the educational processes within the school system (institution).

**SOC 351 – INTRODUCTION TO POPULATION ANALYSIS (5)**

An introduction to the study of population analysis. Classifications by age, sex, occupation, or other criteria and the significance of such data for analyzing major social trends are studied. The import of statistical records such as births, deaths, marriage registrations and census data is reviewed and analyzed.

**SOC 352 – HUMAN ECOLOGY (5)**

An introduction to the adaptive processes social beings make to their environment with particular emphasis on spatial distributions of inter-related social facts such as crime rates and population characteristics or poverty and housing conditions. Current studies on social inter-relationships and physical environments are introduced.

**SOC 361 – SOCIAL INSTITUTIONS/ORGANIZATION (5)**

An introduction to more formalized behaviors that tend to provide accepted, orderly, and enduring procedures for groups having more than narrow interests and which perpetuate themselves and continue their existence as a group. These institutionalized ways of behavior are associated with specific institutions and studied comparatively.

**SOC 363 – MARRIAGE AND THE FAMILY (5)**

An introduction to the intensive study of the kinship relationship of man known as the family. The family is distinguished from other social units and behaviour variations of this special unit are analyzed and associated with special functions. Contemporary manifestations of the family and the dynamic changes indicated are considered.

**SOC 371 – SOCIAL PROBLEMS (5)**

An introduction to the concept of a social problem and the approaches used to understand more fully the total dimensions of some specific problems. Special emphasis is given to clarifying one's understanding of the underlying nature for selected social problems, an analysis of those aspects amenable to remedy, and an inventory of the knowledge and skills available.

**SOC 381 – SOCIAL CHANGE (5)**

The study of major shifts in focus for societies or culture is covered, and the course defines indicators associated with such changes. Particular attention is given to the development of industrial societies and the study of the dynamics involved for nations emerging from various stages of "underdevelopment."

**SOC 401 – INTRODUCTION TO STATISTICS (5)**

Basic statistical applications for data collection, compilation, summarization, and analyses of problems relating to theory and measurement.

**SOC 402 – METHODOLOGY AND STATISTICS (5)**

An advanced course in statistical procedures utilizing varied research designs. Laboratory sessions involving computer time included.

**SOC 403 – ADVANCED SOCIAL THEORY (5)**

An analysis of various classical and current sociological theories with particular attention paid to their conceptions of man in society and the wider implications such conceptions have for their theoretical perspective. The theories of Durkheim, Parsons, Weber, Goffman, Bendix and Dahrendorf will be examined.

**SOC 411 – ROLE THEORY (5)**

An analysis of the relation between man and society from the perspectives of role theory. The course explores the effect society has on individual biography and action.

**SOC 431-432-433-434-435 – AREA STUDIES: SOCIAL STRUCTURES AND PROBLEMS (5)**

Special courses on the social structures and related sociological problems of specific geographical and cultural areas. To be offered at various times.

**SOC 436 – LATIN AMERICAN AND CARIBBEAN SOCIAL STRUCTURES (5)**

The types of social structures, statuses and roles and the resulting distributions of power and authority in the hemisphere.

**SOC 441 – COMMUNITY ORGANIZATION (5)**

An intensive study of how communities are organized, with special emphasis on the interactive process of the varied components of a community. Special study permitting students to concentrate on interest areas is required.

**SOC 442 – COMPARATIVE SOCIAL SYSTEMS (5)**

The study of varied social systems particularly as to those qualities regularly occurring in each and those which differ. Such variables are then analyzed for associational correlates to the systems studied.

**SOC 451 – URBAN SOCIOLOGY (5)**

The study of society as manifested in the urban community with particular attention given to the problems associated with urban life. The development of urban societies, is reviewed historically and factors associated with this development are identified.

**SOC 452 – RURAL SOCIOLOGY (5)**

The study of agrarian society or the pre-urban or pre-city society. Distinctive factors associated with such social life are identified, and particular attention is given to defining indicators associated with rural society.

**SOC 461 – SOCIAL STRATIFICATION (MOBILITY) (5)**

The study of society structured hierarchically with particular attention given to the form and content of the various levels. Problems in the social order and differential human behaviors associated with stratification are analyzed. Some attention is given to mobility and factors associated with upward or downward moves.

**SOC 462 – COMPLEX ORGANIZATIONS (FORMAL) (5)**

The study of variations in organizational structures and functions and a review of their origins. An analysis of how they both affect and are influenced by their members' behaviors. Bureaucracy is given special attention.

**SOC 463 – COMPARATIVE FAMILY SYSTEMS (5)**

The study of family organization and function in selected major world cultures. Emphasis is given to the inter-relationships of the family, the economic system, urbanization, and human development.

**SOC 464 – STUDIES IN COMPARATIVE LIFE STYLES (5)**

A problem oriented course emphasizing the differential behavior associated with categories such as nationalism, social class, income distribution, and political or religious affiliation.

**SOC 471 – MINORITIES (RACE AND ETHNIC RELATIONS) (5)**

The study of social groups identified by racial or ethnic characteristics. Particular emphasis is given to their role in society, especially that society of which they are a part and the interactive process resulting from contact with the majority. Social behaviors of minorities are reviewed and related to institutional structures and their accepted norms.

**SOC 472 – THE ROLE OF WOMEN IN  
CONTEMPORARY SOCIETY (5)**

A concentrated study of women in society, role origins and their development in contemporary society. Particular attention is given to how such behaviors became normalized and the rapidity with which they change.

**SOC 473 – HEALTH AND WELFARE DELIVERY SYSTEMS (5)**

A review of the varied systems servicing society's health and welfare needs. Attention is given to the institutional origins of such systems and their propensity for change and modification. Studies reflecting evaluative considerations for such systems are reviewed.

**SOC 474 – SOCIOLOGY AND SOCIAL PLANNING (5)**

**SOC 481 – COMPARATIVE SOCIOLOGY (5)**

A cross-cultural and cross-national survey of sociological studies with particular emphasis on theoretical and methodological issues. Examples will be drawn from studies on culture patterns, social structure, sexual mores, power relationships and the ethical implications of cross-national research.

**SOC 483 – HISTORICAL SOCIOLOGY (5)**

The authenticity and meaning of historical data for sociological research. Systematic theories in history are analyzed for their utility in sociology. Particular emphasis will be placed on the sociological uses of the comparative method in history.

**SOC 491 – SOCIAL CONFLICT (5)**

The study of conflict in society and its place in social relationships. A study of causes and resolutions with particular emphasis on methods of resolution and their influence on social change.

**SOC 492 – SOCIOLOGY OF SOCIOLOGY (5)**

**SOC 493 – SOCIOLOGY'S PHILOSOPHICAL ASSUMPTIONS (5)**

**SOC 571 – MAN, SOCIETY AND TECHNOLOGY (5)**

The study of contemporary society, man's role in it, and effects of technological change. A study of the interrelationships with special attention given to vocational study and instruction within the framework of the relationships perceived.

**SOC 581 – INDUSTRIAL SOCIOLOGY (5)**

Concentrated study of industrialization and the sociological theory involved. Manpower, unemployment, apprentice programs, classificatory schemes are subject matter studied.

**SOC 582 – SOCIOLOGY OF EDUCATION (5)**

An analysis of education as a social process and the interrelationship of educational systems and society. The study of education as a socialization process, the social structure of education, and the role played as an agent in social change are emphasized.

**SOC 583 – SOCIOLOGY OF RELIGION (5)**

The study of religious institutions, their structure and function in various societies. Leadership qualities, participation and practices, and the relationship of religious institutions to other social institutions are studied.

**SOC 584 – POLITICAL SOCIOLOGY (5)**

The underlying social conditions of political order, political process and political behavior are explored. Examples will be drawn from empirical and theoretical studies of power, elites, social class and socialization.

**SOC 585 – SOCIOLOGY OF MEDICINE (5)**

The social organization of medical institutions and the social factors associated with incidence of physical/mental illness and its treatment. Opportunity available for students to pursue specialized interests related to public needs and medical services.

**SOC 586 – SOCIOLOGY OF KNOWLEDGE (5)**

The study of the theoretical bases of knowledge and the inter-relatedness of social factors, particularly as knowledge relates to institutional forms of behavior.

**SOC 587 – SOCIOLOGY OF MENTAL HEALTH (MENTAL HEALTH) (5)**

A concentrated study of mental illness with particular emphasis on definitional conceptualizations and the relationship of such to incidence data. Includes study of the social factors on the etiology of mental disorders and the epidemiology of such illnesses. Family effects of mental illness discovery and treatment are assessed and mental health programs and their effectiveness are reviewed.

**SOC 588 – SOCIAL CONFLICT IN MULTI-ETHNIC SOCIETIES (5)**

Cases are selected from a variety of societies with differing types of majority-minority situations. Prejudice and discrimination are seen as weapons in group and class conflict. The consequences of prejudice are analyzed in terms of the costs to every group in the society.

**SOC 589 – CONFLICT RESOLUTION: PARTICULAR  
ATTENTION TO SOCIETY AND LABOR (5)**

A concentrated study of conflict as evidenced in labor's relationship to society. The development of methods of resolution and an assessment of the prevailing approaches. Attention is given to the historical roots of labor's development as a distinct social entity and the tensions precipitated within different societies and their varied economic and political systems.

**SOC 590 – ADVANCED URBAN SOCIOLOGY (5)**

A concentrated study of urban problems. Emphasis given to social policy and the role of public and private agencies in sustaining, administering and changing such policy. Urban problems are studied as an intermix of social, cultural, political and economic factors. Methods of social cost analysis are discussed.



**SOC 591 – DIRECTED INDIVIDUAL STUDY (Variable)** (F,W,S,SS)  
Supervised readings and/or field research and training. May be repeated.

**SOC – DIRECTED FIELD RESEARCH (Variable)** (F,W,S,SS)

**Program of Study  
for  
STATISTICS MAJORS**

**Lower Division Requirements:**

As part of the 90 quarter hour (60 semester hour) coursework necessary to enter this upper division major, the following requirements and/or recommendations should be noted:

**Required Courses:**

Analytic Geometry

**Recommended Courses:**

Calculus I and II

Linear Algebra

Elementary Statistics

Introductory Computer Course

**Remarks:** The student who has not completed the calculus requirement before entering Florida International University will be required to take MAS 301 and MAS 302.

**Florida International University Program of Study:**

**Required Courses:**

Mathematical Statistics – MAS 331 and MAS 332

Applied Statistical Analysis – MAS 335 and MAS 336

Applied Linear Algebra – MAS 345

Introduction to Computers I – MAS 311

The student must complete an additional 25 hours of coursework in the Mathematical Sciences Department, including at least 15 hours in Statistics courses. All other courses necessary to complete the 90 quarter hour requirement are free electives.

**Note:** Statistics courses are listed under Mathematical Sciences.

**Program of Study  
for  
THEATRE MAJORS**

**Lower Division Preparation:**

As a part of the 90 quarter hours (60 semester hours) of lower division course

work necessary to this upper division major, the following requirements and/or recommendations should be noted:

**Required Courses:** None

**Recommended Courses:**

Introduction to Drama	3 semester hours
Acting	3-6 semester hours
Stagecraft	3-6 semester hours
Production	6 semester hours

**Florida International University Program of Study:**

**Required Courses:**

Theatre (Major Area: Performance or Production)	30 quarter hours
Theatre History	10 quarter hours
Theatre Electives	20 quarter hours
Non-Theatre Electives	30 quarter hours

## THEATRE

**SPE 305 – PUBLIC SPEAKING (5)**

Study of the principles of ethical and effective public speaking with practice in the construction and delivery of original speeches before an audience.

**THE 305 – SURVEY OF THE THEATRE ARTS (5) (F)**

A consideration of all the dramatic elements of the theatre; television, film and live theatre. Designed for the non-theatre student to generate an awareness and appreciation of the theatre.

**DAN 315 – DANCE (5)**

Basic stage movement. Development of the body as an instrument of expression. (May be repeated)

**THE 315 – VOCAL TECHNIQUES (2) (F)**

Development of breath control, diction, resonance and related vocal music techniques. (For Theatre Majors only.)

**THE 316 – BASIC ORAL INTERPRETATION (5) (F)**

Development of the voice as an instrument for expressive interpretation of literature.

**THE 317 – ACTING (5) (W,SS)**

With a fundamental knowledge of stage nomenclature, vocal and physical performance skills, audition and rehearsal techniques, the student will focus on developing a character within a particular acting style. Extensive study and practice in scenes from period plays. (May be repeated)

- THE 325 – DIRECTING (5)** (W,S)  
 A study of fundamental directing principles. Areas included will be: choice of play and its analysis, casting, blocking, rehearsal techniques and coordination of cast and production personnel. Students will direct short scenes for performance. (May be repeated)
- THE 335 – STAGECRAFT (5)** (W)  
 A lecture-laboratory course covering the basic elements of scenery construction, painting, rigging and stage properties.
- THE 336 – STAGE LIGHTING (5)** (S)  
 The study of elementary electricity, lights and circuits; basic techniques of designing and executing lighting for the stage.
- THE 337 – STAGE MAKEUP (5)** (S)  
 Fundamentals of straight and character makeup. The application of principles governing line, color, light and shade to makeup. Practical experience through production participation.
- THE 339 – BLACK THEATRE TECHNIQUES (5)**  
 Study and practice of production methods unique to the Black performer and Black Theatre; i.e., making-up and lighting the Black performer, play selection, rehearsal techniques. (May be repeated.)
- THE 345 – THEATRE DESIGN (5)** (S)  
 Fundamentals of design for the theatre. Included are methods of analysis and research, technical drawing and rendering.
- DAN 515 – DANCE (5)**  
 With some basic stage movement experience, the student will do movement studies to develop impulses to rhythm and melody patterns. (May be repeated)
- THE 517 – ACTING (5)** (W,SS)  
 With a thorough knowledge of all aspects of the actor's craft and a highly motivated background of performance experience, the actor will concentrate on refinement of ensemble playing techniques in a total performance situation which will be presented for an audience. (May be repeated)
- THE 525 – DIRECTING (5)** (W,SS)  
 With a broad understanding of basic directing skills and some directing experience, focus will be on methods of unifying all production elements toward the finished performance. Students will direct a play for public performance. (May be repeated)
- THE 328 – CHILDREN'S THEATRE (5)** (SS)  
 Techniques of selection, production and performance of plays for children.

**THE 531 – STAGE COSTUMING (5)**

Study of period costume design with emphasis on research techniques, design adaptation, cut fabric, and decorative detail for stage costume.

**THE 532 – STAGE COSTUMING (5)**

A continuation of THE 531. Applied studies in design adaptation, pattern drafting, and total costume construction.

**THE 535 – STAGECRAFT (5)**

(W)

Advanced studies of the scene technician's craft with emphasis on the creative use of modern materials and methods. Selection and cost of materials, multi-media effects, sound effects, advanced stage carpentry and stagecraft supervision will be covered.

**THE 545 – THEATRE DESIGN (5)**

(W)

With a knowledge of the fundamentals of theatre design, the student will survey historical styles and work with advanced directing students to design and execute scenery for a play.

**THE 551 – DEVELOPMENT OF THE THEATRE (5)**

(W)

A survey of theatre architecture, modes of production, major figures and trends in the theatre from its origins to Turgenev.

**THE 552 – DEVELOPMENT OF THE THEATRE (5)**

(S)

A continuation of THE 551. Survey will be from Turgenev to the present.

**THE 555 – DEVELOPMENT OF BLACK THEATRE IN AMERICA (5)**

A historical survey of the Black performer in America. Primary emphasis on current trends in Black Theatre.

**THE 565 – PLAYWRITING (5)**

(W)

Study of the theory and principles of writing plays for the stage. Practice in writing either the short or long play. (May be repeated.)

**THE 575 – THEATRE MANAGEMENT (5)**

(SS)

Basic studies in methods of audience promotion and service, i.e., publicity, box office and house management.

**THE 585 – PERFORMANCE AND PRODUCTION (1–15)**

(F,W,S,SS)

Supervised work in actual university, community, or professional theatre production on an internship basis. Credit will vary with amount of time and responsibility involved. (If taken for less than maximum credit, may be repeated for a total of not more than 15 quarter hours.)

**THE 595 – RESEARCH (1-5)**

(F,W,S,SS)

Supervised individual investigation of special research projects. Credit will vary with the nature and scope of the project. (May be repeated)

# School of Business and Organizational Sciences



*Interim Dean Robert W. Ellis, Jr.*

Florida International University recognizes the need of the business community and the various governmental agencies for trained and highly skilled management graduates. Opportunities for men and women with degrees in administration, business, management, and various other organizational sciences will continue to increase.

The School of Business and Organizational Sciences offers academic programs leading to both graduate and undergraduate degrees. These courses of study are designed to help prepare the student for careers in business, public administration, and other areas of institutional management.

Programs of the School of Business and Organizational Sciences generally are based on a broad background in the humanities, and arts and sciences, followed by a foundation of management policies, institutions and operations, including study of basic management tools of analysis and decision-making. Further study in the functional areas of enterprise leads to a thorough preparation in a selected field of specialization.

Major emphasis is placed upon the involvement of the institution with its economic, political, social and ecological environment. Management of change in response to the needs of society is stressed.

## UNDERGRADUATE STUDY

**Admission:** The School of Business and Organizational Sciences believes that students receiving the Bachelor of Business Administration degree should initially have a sound foundation in the liberal arts and then complete a professional program in business and management. In four years of study for the degree, the student should have approximately equal parts of general education courses and professional courses in business administration. Students entering directly into the professional curricula of the School of Business and Organizational Sciences are required to have completed the Associate in Arts degree or its equivalent, and are encouraged to bring with them some knowledge of accounting, mathematics and economics. The broad liberal arts exposure inherent in the Associate in Arts degree enables a student to complete the Bachelor of Business Administration requirements in the equivalent of two years and to take most of the professional work with Florida International's School of Business and Organizational Sciences.

**Program:** The curriculum of the School of Business and Organizational Sciences includes certain required courses, each of which is designed to introduce the student to a common body of knowledge, including quantitative analysis, finance and control, administrative theory and practices, the social and legal environment of business, and marketing and distribution. The international dimension of business and institutional management is emphasized in order to give the student an understanding of alternative ways of organizing and managing.

### POLICY GUIDELINES FOR STUDENT EVALUATION IN THE SCHOOL OF BUSINESS AND ORGANIZATIONAL SCIENCES

#### ENTRANCE REQUIREMENTS

All students entering the School of Business and Organizational Sciences are required to meet the following three standards:

- 1) 90 quarter hours (60 semester) completed, and
- 2) grade point average of 2.0 or above, and
- 3) satisfactorily meet general University requirements for admission.

The basic program in the School of Business and Organizational Sciences (to obtain a BBA degree) is 90 quarter hours. Generally, students completing pre-core and/or general educational requirements at Florida International will add these credits to their basic 90-hour program.

#### TRANSFER CREDITS

In order for courses to be acceptable as transfer credits toward upper-level course work, they must be:

1. Credits designated as Junior/Senior level from a Senior (upper-level) institution.
2. Credits from an accredited institution.
3. Or, credits validated through some other acceptable measure to certify its equivalence.

## ADVANCED COURSE WORK

Generally, all junior level students are expected to concentrate on the 45 hours of core courses (and pre-core courses, if needed). Courses at the 400 and 500 level normally will be pursued during the senior year. More explicitly, students taking 400 and 500 level course work are required to have the necessary background/preparation through experience and/or academic training before enrolling in a course at this level.

## RESIDENCY REQUIREMENT

Florida International University (School of Business and Organizational Sciences) requires all students to complete 45 quarter hours of course work on this campus to qualify and be certified for a B.B.A. degree. This policy is applicable to all students except in extraordinary cases that warrant special considerations.

### Program of Study for MAJORS IN

ACCOUNTING	MARKETING
FINANCE	PUBLIC WORKS MANAGEMENT
INSURANCE	REAL ESTATE
INTERNATIONAL	TRANSPORTATION SYSTEMS
MANAGEMENT	UNSTRUCTURED
MANAGEMENT	URBAN MANAGEMENT
MANAGEMENT INFORMATION SYSTEMS	

#### Lower Division Preparation:

The following recommendations and/or course requirements should be a part of the 90 quarter hours (60 semester hours) of lower division coursework completed in order to enter these upper division majors.

#### Required Courses:

Accounting	10 quarter (6 semester) hours
Economics	10 quarter (6 semester) hours
College Algebra	5 quarter (3 semester) hours
Statistics	5 quarter (3 semester) hours
English Composition	10 quarter (6 semester) hours
Natural Sciences	10 quarter (6 semester) hours
Social Sciences	10 quarter (6 semester) hours
Humanities	10 quarter (6 semester) hours

#### Florida International University Program of Study:

##### 1. PRE-CORE

Entering students who have not completed the basic courses in Accounting (6 semester hours), Economics (6 semester hours), College Algebra (3

semester hours), and Statistics (3 semester hours) must complete the appropriate courses at Florida International referred to as the Pre-Core. The Pre-Core consists of:

ECO 301	Man, Society and Economics	(5)
MAS 309	Modern Statistical Methods in Managerial Science	(5)
ACC 300	Accounting for Decisions	(5)

**2. CORE (45 quarter hours) CREDITS**

BUA 301	Financial Management	5
BUA 302	Operations Management Policy	5
BUA 303	Marketing Management	5
BUA 305	Quantitative Methods for Administration	5
BUA 306*	Introduction to Information Systems	5
BUA 307	Accounting for Planning and Control	5
BUA 308*	Managerial Decision and Control	5
BUA 309	Organization and Management	5
BUA 312	Business and its Environment	5
BUA 313	Business and the Social System	5

3. Successful completion of an additional 45 quarter-hours. Twenty of the 45 hours (4 courses) are required courses within the major. The remaining 25 hours (5 courses) may be selected, with counseling, from the business offerings or from any area outside the School of Business and Organizational Sciences. For Accounting and Management Majors, there are 25 required hours (5 courses) and 20 elective hours (4 courses). All courses in the major must be at the 400 or 500 level; 600 level courses are open only to graduate level students.

4. Summary of Degree Requirements: Core, 45 quarter-hours; Major, 20 quarter-hours (Accounting and Management, 25 quarter-hours); Electives, 25 quarter-hours (Accounting and Management, 20 quarter-hours).

5. A minimum of 90 quarter-hours at the upper level are required for the Bachelor of Business Administration degree.

\*Students, except for those majoring in accounting or in management, have the option of taking either BUA 306 or BUA 308. Management majors must take both BUA 306 and BUA 308. Accounting majors must take BUA 306 and are strongly advised to take BUA 308.

## THE CORE

**BUA 301 – FINANCIAL MANAGEMENT (5) (F,S,W,SS)**

The financial functions of obtaining capital, managing assets, and expending resources are examined from the perspective of a manager, as well as a financial officer. Attention will also be directed to some aspects of security market operations.



- BUA 302 – OPERATIONS MANAGEMENT POLICY (5) (F,W,S,SS)**  
The theory and applications of management techniques for the planning, analysis, and control of operational systems in manufacturing and services industries.
- BUA 303 – PRINCIPLES OF MARKETING (5)**  
. A descriptive study emphasizing the functions and institutions common to marketing systems.
- BUA 305 – QUANTITATIVE METHODS FOR ADMINISTRATION (5) (F,W,S,SS)**  
The use of quantitative tools in management. Statistical methods, testing, and other quantitative applications to management are drawn together to provide tools for management efficiency.
- BUA 306 – INTRODUCTION TO INFORMATION SYSTEMS (5) (F,W,S,SS)**  
Survey of the major problems of information systems in organizations. Brief study of basic computer concepts, the information systems development cycle, the relation between information systems and decision making, and the general systems framework for information problems.
- BUA 307 – ACCOUNTING FOR PLANNING AND CONTROL (5) (F,W,S,SS)**  
Use of accounting concepts, techniques and financial data as an aid to management planning, coordination and control. Topics covered include cost behavior and control, budgeting, analysis concepts, performance measurement and analysis, and capital budgeting. Prerequisite: ACC 300 or equivalent.
- BUA 308 – MANAGERIAL DECISION-MAKING (5) (F,W,S,SS)**  
This course will concentrate on practical decision problems for the manager in an organization. Emphasis will be placed on the environment and definition of managerial problems and practical approaches to solving these problems. To place the student in a realistic environment, decision techniques will be tested in a business environment simulated by a computer management game.
- BUA 309 – ORGANIZATION AND MANAGEMENT (5) (F,W,S,SS)**  
An analysis of organizations and the management processes of planning, organizing, directing, and controlling in the context of socio-technical systems. Individual, group, intergroup, and organizational responses to various environments and technologies are studied, as are pertinent techniques of manpower management.
- BUA 312 – BUSINESS AND ITS ENVIRONMENT (5) (F,S)**  
A comparative analysis of societal values from an intercultural perspective. The formulation of specific objectives associated with societal goals and the process of their implementation. Stress on the broad effects of the total environment upon the administration of the private sector of organization.

**BUA 313 – BUSINESS AND THE SOCIAL SYSTEM (5) (W,SS)**

An examination of the interaction between business and the social, political, and legal order. Analysis of the appropriate and actual relationships and responsibilities of business to its various publics. The nature of property and profits, the balancing of claims of owners, employees, customers and citizens; elements of constitutional law; competition and monopoly; anti-trust policies and practices; problems of employment, education, poverty, crime, health, housing, transportation, and pollution. Prerequisite: BUA 312.

**BUA 496 – POLICY ANALYSIS (5) (W,S)**

The use of cases, guest lecturers, and gaming to integrate the analysis and measurement tools, the functional areas and public policy issued. The objective is to develop skill in broad areas of rational decision making in an administrative context of uncertainty. Prerequisite: Should be taken in the last quarter of the senior year.

**MAS 309 – MODERN STATISTICAL METHODS IN  
MANAGERIAL SCIENCE (5) (F,W,S)**

Probability, distributions, measures of variation, estimation, computer methods in statistics.

## **GRADUATE STUDY**

The School of Business and Organizational Sciences offers two graduate degrees, the Master of Business Administration and the Master of Science in Management.

Inquiries should be addressed to the Office of Graduate Studies, School of Business and Organizational Sciences, Florida International University, Miami, Florida 33144. A Master of Public Administration program is being developed.

## **MASTER OF BUSINESS ADMINISTRATION**

The overall objective of the Master of Business Administration Program is to provide advanced professional education in business for executive leadership. The program is a two-year, 90-quarter-hour sequence, designed primarily for the student without previous courses in business administration and economics.

Encompassing the fundamentals of management common to all types of institutions, the program provides the student with insights into the methods and structural elements of enterprise and the operational and functional areas of business. The program seeks to provide knowledge of social and legal environments.

Upon this common base will be designed an individualized program for each student predicated on his needs, aspirations, and long-range career objectives.

## ADMISSION REQUIREMENTS

To be eligible for admission to the Master of Business Administration Program at Florida International University, the applicant must:

1. Satisfactorily meet the general University requirements for admission to graduate programs.
2. Hold a baccalaureate degree from a regionally accredited college or university.
3. Have an average of 3.0 or higher in the last 90 quarter hours (60 semester hours) of work attempted at the undergraduate level or
4. Present a score of 450 or higher on the Admission Test for Graduate Study in Business (ATGSB).

## DEGREE REQUIREMENTS

To be eligible for the Master of Business Administration, a student must:

1. Satisfy all university requirements for a master's degree.
2. Complete a minimum of 90 quarter hours of graduate level coursework, or equivalent, with a 3.0 or higher average. At least 80 of the 90 quarter hours must be taken in residence at Florida International University.
3. The following courses constitute the requirements for the Master of Business Administration degree:

### Entry Module (15 Hours)

- MBA 605 Financial Accounting Analysis
- MBA 606 Managerial Economics
- MBA 607 Quantitative Methods in Management

### Environmental Module (15 Hours)

- MBA 615 World Dynamics and the Organization
- MBA 616 The Organization and the Intra-National Environment
- MBA 617 Organizational Analysis

### Decision Science-Information Systems Module (15 Hours)

- MBA 625 Managerial Decision Theory
- MBA 626 Organizational Information Systems
- MBA 627 Accounting For Decision-Making

### Functional Systems Module (15 Hours)

- MBA 635 Financial Management
- MBA 636 Marketing Management
- MBA 637 Operations Management

### Policy Analysis and Project Module (10 Hours)

- MBA 695 Individual Study Project
- MBA 699 Policy Analysis

### Elective Module (20-35 Hours)

Specific courses will be selected by the student in consultation with his adviser. The student may take a maximum of three courses (15 hours) at the 500 level.

## MASTER OF SCIENCE IN MANAGEMENT

The overall objective of the Master of Science in Management Program is to provide in-depth educational experience for those students desiring greater specialization in a particular area of management. The basic program is a one-year, 45-quarter-hour sequence, and is designed primarily for the student with an undergraduate degree in business or public administration.

Generally, this program assumes that the student has already acquired the equivalent of the "common body of knowledge"<sup>1</sup> in business or administration. Students desiring to enter the Master of Science in Management Program who have undergraduate degrees in colleges other than Business Administration must complete certain prerequisite courses or their equivalents. Such deficiencies can be met by either successfully passing CLEP examinations or by completing specified courses. Each student will be counseled concerning his individual deficiencies and how they may be met.

### ADMISSION REQUIREMENTS

To be eligible for admission to the Master of Science in Management Program at Florida International University, the applicant must:

1. Satisfactorily meet the general University requirements for admission to graduate programs.
2. Hold a baccalaureate degree from a regionally accredited college or university.
3. Have an average of 3.0 or higher in the last 90 quarter hours (60 semester hours) of work attempted at the undergraduate level, or a score of 450 on the Admission Test for Graduate Study in Business (ATGSB).

### DEGREE REQUIREMENTS

To be eligible for the Master of Science in Management, a student must:

1. Satisfy all University requirements for a master's degree.
2. Complete all prerequisite courses or their equivalents.
3. Complete a minimum of 45 quarter hours of graduate level coursework, or their equivalent, with a 3.0 or higher average. At least 35 of the minimum 45 quarter hours must be taken in residence at Florida International University. A maximum of three courses (15 hours) may be taken at the 500 level out of the total 45 hours in this program.

<sup>1</sup>The "common body of knowledge" in business and administration shall include the equivalent of one year or work comprising the following areas: (a) a background of the concepts, processes, and institutions in marketing and distribution, production, and financing functions of business enterprise; (b) a background of the economic and legal environment of business enterprise along with consideration of the social and political influences of business; (c) a basic understanding of the concepts and methods of accounting, quantitative methods, and information systems; (d) a study of organization theory, interpersonal relationships, control and motivation systems, and communications; (e) a study of administrative processes under conditions of uncertainty including integrating analysis and policy determination at the overall management level.

## THE ACADEMIC PROGRAM

The Master of Science in Management Program is designed to permit concentrations in the following major areas: Accounting, Finance, General Management, and Public Administration. At the time of this writing, additional areas of concentration are being planned: Health Care Management, Management Information Systems, Management Science/Operations Research, Marketing, Human Resource Management and Labor Relations, and Real Estate.

Each student will help design his own program in terms of his background and his individual career objectives. A specific course of study is developed for each candidate in consultation with a professor in the major area of interest.

## ACCOUNTING\*

### **ACC 300 – ACCOUNTING FOR DECISIONS (5) (F,W,S,SS)**

Accounting concepts and techniques essential to administration of a business enterprise and the determination of income and financial position; asset and equity accounting in proprietorships and corporations.

### **ACC 301 – INTRODUCTION TO THE ACCOUNTING PROCESS (2)(F,W,S,SS)**

Analysis of the accounting cycle and the technical procedures used in classifying, summarizing, and interpreting the transactions of a business entity. A strongly recommended elective to be completed prior to taking ACC 401.

### **ACC 393 – INDEPENDENT STUDY IN ACCOUNTING (1-10) (F,W,S,SS)**

Individual conferences, supervised readings, reports on personal investigations. Consent of faculty tutor and divisional chairman required.

### **ACC 397 – SPECIAL TOPICS IN ACCOUNTING (1-10) (F,W,S,SS)**

For groups of students who wish an intensive study of a particular topic or a limited number of topics not otherwise offered in the curriculum. Consent of faculty supervisor and divisional chairman required.

### **ACC 401 – FINANCIAL ACCOUNTING-INTERMEDIATE I (5) (F,W,S,SS)**

An exploration of concepts, standards, and principles underlying financial reporting with major emphasis upon the measurement, analysis, and interpretation of income and changes in financial position (funds flow). Prerequisite: BUA 307, or equivalent.

### **ACC 402 – FINANCIAL ACCOUNTING-INTERMEDIATE II (5) (F,W,S,SS)**

A continuation of ACC 401 with major emphasis upon the accounting concepts, standards, and principles underlying the

\*500 and 600 level courses offered by the School of Business and Organizational Sciences are described in the Graduate School's Bulletin, which may be obtained from the Dean, School of Business and Organizational Sciences.

measurement and reporting of assets and equities, and the interpretation and analysis of financial reports. Prerequisite: ACC 401.

**ACC 405 – MANAGERIAL ACCOUNTING (5) (F,W,S,SS)**

Determination and control of production costs; job order and process systems; actual and standard costs; budgetary control, cost and profit analyses, and other considerations for performance measurement and analysis. Prerequisite: BUA 307 or equivalent.

**ACC 406 – INCOME TAX ACCOUNTING (5) (F,S)**

A survey of federal income taxation with primary emphasis on the taxation of individuals and corporations. Prerequisite: ACC 402, or equivalent.

**ACC 407 – AUDITING (5) (F,S)**

Standards and procedures applied by independent public accountants, ethics and responsibilities of auditors, development of audit programs, accumulation of audit evidence, and reporting. Prerequisite: ACC 402, or equivalent.

**ACC 493 – INDEPENDENT STUDY IN ACCOUNTING (1-10) (F,W,S,SS)**

Individual conferences, supervised readings, reports on personal investigations. Consent of faculty tutor and divisional chairman required.

**ACC 495 – INTERNSHIP IN ACCOUNTING (1-10) (F,W,S,SS)**

A special program to encourage students to get an on-the-job introduction to professional accounting in a public accounting firm and/or in an industrial or not-for-profit enterprise or a governmental agency. It is expected that the public accounting internship will be offered for Winter Quarter and the industrial internship will be offered for the Summer Session. Prerequisites: ACC 402, 405, 407, or equivalents, for both internships. ACC 407, or the equivalent, is also required for the internship in Public Accounting.

**ACC 497 – SPECIAL TOPICS IN ACCOUNTING (1-10) (F,W,S,SS)**

For groups of students who wish an intensive study of a particular topic or a limited number of topics not otherwise offered in the curriculum. Consent of faculty supervisor and divisional chairman required.

**ACC 501 - FINANCIAL ACCOUNTING (5)**

**ACC 502 – STANDARDS AND PRINCIPLES  
OF FINANCIAL ACCOUNTING (5) (F)**

**ACC 503 – ADVANCED FINANCIAL ACCOUNTING  
(formerly ACC 402) (5) (F,S)**

- ACC 505 – TOPICS IN MANAGERIAL ACCOUNTING (5)
- ACC 506 – GOVERNMENTAL AND  
INSTITUTIONAL ACCOUNTING (5)
- ACC 507 – INTERNATIONAL ACCOUNTING (5) (S)
- ACC 510 – BEHAVIORAL ACCOUNTING (5)
- ACC 512 – AUDITING (5)
- ACC 513 – ACCOUNTING FOR INCOME TAXES (5)
- ACC 514 – TAXATION OF CORPORATIONS  
AND PARTNERSHIPS (5)
- ACC 515 – TAXATION OF ESTATES AND TRUSTS (5) (W)
- ACC 517 – ACCOUNTING PROBLEMS (5)
- ACC 526 – INTERNATIONAL TAXATION (5)
- MSM 602 – ACCOUNTING INFORMATION  
SYSTEMS I (5) (F)
- MSM 603 – ACCOUNTING INFORMATION  
SYSTEMS II (5)
- MSM 607 – SEMINAR IN MANAGERIAL  
ACCOUNTING I (5) (S)
- MSM 608 – SEMINAR IN MANAGERIAL  
ACCOUNTING II (5)
- MSM 610 – SEMINAR IN FINANCIAL  
ACCOUNTING THEORY I (5) (W)
- MSM 611 – SEMINAR IN FINANCIAL  
ACCOUNTING THEORY II (5)
- MSM 612 – STUDIES IN AUDITING (5) (S)
- MSM 613 – INCOME TAX PLANNING  
AND RESEARCH (5) (S)
- ACC 693 – INDEPENDENT STUDY IN ACCOUNTING (5)
- ACC 697 – SPECIAL TOPICS IN ACCOUNTING I (5)

## BUSINESS LAW

- LAW 331 – INTRODUCTION TO BUSINESS LAW (5) (F)**  
Nature and sources of law; operation of our court system; channels of appeal; corporate law; administrative law; selected cases.
- LAW 393 – INDEPENDENT STUDY IN BUSINESS LAW (1-10) (F,W,S,SS)**  
Individual conferences, supervised readings, reports on personal investigations. Consent of faculty tutor and Divisional Chairman required.
- LAW 397 – SPECIAL TOPICS IN BUSINESS LAW (1-10) (F,W,S,SS)**  
Intensive study for groups of students of a particular topic or a limited number of topics, not otherwise offered in the curriculum. Consent of faculty supervisor and Divisional Chairman required.
- LAW 401 – LEGAL ENVIRONMENT OF BUSINESS (5) (W)**  
Principles of law affecting the legal environment of business; law of contracts; sales; torts; agency and employment; legal relations of government and business.
- LAW 402 – LEGAL ASPECTS OF MANAGEMENT (5) (S)**  
Bailments; shipment and sale of goods; suretyship; bankruptcy; commercial paper; real and personal property; insurance; relevant provisions of uniform commercial code.
- LAW 407 – BUSINESS LAW REVIEW (5) (S,SS)**  
Intensive review of those fields of law usually covered in CPA, CLU, and CACU law examinations.
- LAW 410 – MANAGEMENT AND THE LAW (5) (F)**  
Analysis of legal principles affecting management through case study; role of the law in business decisions.
- LAW 421 – LAW OF LABOR-MANAGEMENT RELATIONS (5) (W)**  
Federal and State legislation, leading court opinions, relating to labor-management relations, development of unions, unfair labor practices, collective bargaining, strikes and lockouts, arbitration, and the national interest.
- LAW 493 – INDEPENDENT STUDY IN BUSINESS LAW (1-10) (F,W,S,SS)**  
Individual conferences, supervised readings, reports on personal investigations. Consent of faculty tutor and Divisional Chairman required.
- LAW 497 – SPECIAL TOPICS IN BUSINESS LAW (1-10) (F,W,S,SS)**  
Intensive study for groups of students of a particular topic or a limited number of topics, not otherwise offered in the curriculum. Consent of faculty supervisor and Divisional Chairman required.



- LAW 507 – BUSINESS LAW REVIEW (5) (S,SS)
- MSM 600 – SURVEY OF BUSINESS LAW (5) (S)
- LAW 693 – INDEPENDENT STUDY IN BUSINESS LAW (5) (F,W,S,SS)
- LAW 697 – SPECIAL TOPICS IN BUSINESS LAW (5) (F,W,S,SS)

## FINANCE

- FIN 310 – PERSONAL FINANCE AND RESOURCE MANAGEMENT (5) (F,S)**  
 The application of organization, finance, and management, concepts and methods to aid the individual in making personal financial and career decisions.
- FIN 393 – INDEPENDENT STUDY IN FINANCE (1-10) (F,W,S,SS)**  
 Individual conferences, supervised readings, reports on personal investigations. Consent of faculty tutor and divisional chairman required.
- FIN 397 – SPECIAL TOPICS IN FINANCE (1-10) (F,W,S,SS)**  
 For groups of students who wish an intensive study of a particular topic or a limited number of topics not otherwise offered in the curriculum. Consent of faculty supervisor and divisional chairman required.
- FIN 405 – POLICIES FOR FINANCIAL MANAGEMENT (5) (F,W)**  
 The process of securing and allocating funds within the organization with emphasis on the relevant financial decision-making and policy aspects.
- FIN 406 – TOPICS IN FINANCE (5) (S)**  
 Extensions of topics selected from those covered in Finance 405. Specific topics may vary with students interests.
- FIN 415 – NONBANK FINANCIAL INTERMEDIARIES AND MARKETS (5) (W)**  
 The role of financial institutions, the sources and uses of funds of nonbank financial intermediaries, the objectives and constraints of these intermediaries, and the supply and demand for loanable funds in different financial markets.
- FIN 416 – COMMERCIAL BANK MANAGEMENT (5) (F,S)**  
 The management of bank assets and liabilities, specialized banking functions and the role of the commercial bank in financing business.
- FIN 425 – SECURITY ANALYSIS (5) (F,W)**  
 The intrinsic-value and technical approaches to security analysis, personal portfolio development.

- FIN 426 – TOPICS IN INVESTMENT ANALYSIS (5) (S)**  
 Extensions of topics selected from those covered in Finance 425.  
 Specific topics will reflect student interests.
- FIN 435 – FINANCIAL POLICIES OF  
 NOT-FOR-PROFIT ORGANIZATIONS (5) (W)**  
 Financial processes relevant to governmental and other not-for-profit  
 organizations. Emphasis is on legal, political, and market constraints  
 on securing, managing, and expending funds.
- FIN 493 – INDEPENDENT STUDY IN FINANCE (1-10) (F,W,S,SS)**  
 Individual conferences, supervised readings, reports on personal  
 investigations. Consent of faculty tutor and division chairman  
 required.
- FIN 497 – SPECIAL TOPICS IN FINANCE (1-10)**  
 For groups of students who wish an intensive study of a particular  
 topic of a limited number of topics not otherwise offered in the  
 curriculum. Consent of faculty supervisor and division chairman  
 required.
- FIN 545 – ENTREPRENURIAL FINANCE (5) (F,S)**
- FIN 555 – FINANCING THE MULTINATIONAL FIRM (5) (W)**
- MSM 605 – ASSET SELECTION AND MANAGEMENT (5) (F)**
- MSM 606 – BUSINESS FINANCIAL STRUCTURE (5) (W)**
- MSM 615 – FINANCIAL MARKETS (5) (F)**
- MSM 616 – MANAGEMENT OF DEPOSIT INSTITUTIONS (5) (W)**
- MSM 617 – MANAGEMENT OF NON-DEPOSIT INSTITUTIONS (5) (S)**
- MSM 625 – SECURITY ANALYSIS (5) (W)**
- MSM 626 – PORTFOLIO MANAGEMENT (5) (S)**
- MSM 635 – FINANCIAL MANAGEMENT OF  
 GOVERNMENTAL ORGANIZATIONS (5) (W,S)**
- MSM 645 – THE THEORY OF FINANCE (5) (F)**
- FIN 693 – INDEPENDENT STUDY IN FINANCE (5) (F,W,S,SS)**
- FIN 697 – SPECIAL TOPICS IN FINANCE (5) (F,W,S,SS)**

## INSURANCE\*

- INS 393 – INDEPENDENT STUDY IN INSURANCE (1-10) (F,W,S,SS)**  
Individual conferences, supervised readings, reports on personal investigations. Consent of faculty tutor and divisional chairman required.
- INS 397 – SPECIAL TOPICS IN INSURANCE (1-10) (F,W,S,SS)**  
Intensive study for groups of students of a particular topic or a limited number of topics, not otherwise offered in the curriculum. Consent of faculty supervisor and divisional chairman required.
- INS 405 – RISK AND INSURANCE (5) (F)**  
Types of risk; methods of handling risk; analysis of insurance as a principal method; organization and operation of insurance companies; bases for decision making in management of personal and business risks.
- INS 406 – PROPERTY AND LIABILITY INSURANCE (5) (W)**  
Multiple-line risk and risk management; the multiple-line insurance industry; property and liability hazards and policy contracts; functional aspects of underwriting, rate making, and claims handling.
- INS 407 – LIFE INSURANCE (5) (S)**  
Functions and uses of life insurance, types of policy contracts, calculation of premiums and reserves; investments; legal principles; organization, management, and supervision of companies.
- INS 408 – RISK MANAGEMENT (5) (SS)**  
Concepts and philosophies of risk management; application of alternatives to handling risks, including risk retention, loss prevention, corporate insurance programs and self-insurance; insurance surveys and case studies.
- INS 409 – INSURANCE LAW (5) (W)**  
Legal environment and essentials of the law particularly applicable to the business of insurance; emphasis on statutory regulation in Florida.
- INS 415 – PERSONAL INSURANCE PLANNING (5) (F)**  
Planning a personal program of insurance, integrating life, health and accident, property, pensions, and governmental programs.
- INS 416 – BUSINESS AND ESTATE INSURANCE PLANNING (5)**  
Applications of life and health insurance to business and estate planning situations; emphasis on current practices and developments in retirement planning, business continuation, and estate conservations.

\* Anticipated offering.

- INS 417 – GROUP INSURANCE AND PENSION PLANS (5) (S)**  
 Group life and health insurance; policy terms, rates, and benefits; pension and profit sharing plans; organization, costs, administration, taxation, and legal aspects underlying pensions.
- INS 418 – MANAGEMENT OF INSURANCE ENTERPRISE (5) (SS)**  
 Analysis of the operations of insurance organizations; underwriting, rate making, regulation, legal organization, management and control, financial analysis, marketing systems.
- INS 427 – PRIVATE AND PUBLIC PROGRAMS OF LIFE AND HEALTH INSURANCE (5)**  
 Fundamentals of life and health insurance, rate making, reserves, contract provisions, emphasizing the relationships, similarities, and differences between the private and public sectors.
- INS 428 – SOCIAL INSURANCE (5) (F)**  
 Introductory analysis of the rationale for social insurance; structure of current social insurance programs; evaluation of programs; old-age, survivors, health, disability, and unemployment insurance.
- INS 493 – INDEPENDENT STUDY IN INSURANCE (1-10) (F,W,S,SS)**  
 Individual conferences, supervised readings, reports on personal investigations. Consent of faculty tutor and Divisional Chairman required.
- INS 497 – SPECIAL TOPICS IN INSURANCE (1-10) (F,W,S,SS)**  
 Intensive study for groups of students of a particular topic or a limited number of topics, not otherwise offered in the curriculum. Consent of faculty supervisor and Divisional Chairman required.
- INS 535 – EMPLOYEE BENEFITS AND EXECUTIVE COMPENSATION PLANS (5)**
- INS 541 – PRINCIPLES OF ACTUARIAL SCIENCE (5) (S)**
- INS 543 – NUMERICAL ANALYSIS FOR ACTUARIES (5)**
- INS 600 – GRADUATE SURVEY OF INSURANCE (5) (F)**
- INS 693 – INDEPENDENT STUDY IN INSURANCE (1-10) (F,W,S,SS)**
- INS 697 – SPECIAL TOPICS IN INSURANCE (1-10) (F,W,S,SS)**

## MANAGEMENT

500 and 600 level courses offered by the Division of Management are described in the Graduate Bulletin, which may be obtained from the Dean, School of Business and Organizational Sciences. Five-hundred level courses are open to graduate and undergraduate students.

**MAN 493 – INDEPENDENT STUDY (1-10)**

Individual conferences, supervised readings, reports on personal investigations. Consent of faculty tutor and Divisional Chairman required.

**MAN 497 – SPECIAL TOPICS (1-10)**

For groups of students who wish an intensive study of particular topic or a limited number of topics not otherwise offered in the curriculum. Consent of faculty supervisor and division chairman required.

<b>MAN 505 – COMPUTERS IN MANAGEMENT (5)</b>	<b>(S)</b>
<b>MAN 506 – MANAGERIAL QUALITY CONTROL (5)</b>	<b>(S)</b>
<b>MAN 507 – MANAGEMENT SCIENCE (5)</b>	<b>(F)</b>
<b>MAN 508 – MANAGEMENT SCIENCE IN ECOLOGY AND URBAN SYSTEMS (5)</b>	<b>(W)</b>
<b>MAN 509 – BUSINESS RESEARCH METHODS IN ORGANIZATIONS (5)</b>	<b>(F)</b>
<b>MAN 510 – SMALL BUSINESS MANAGEMENT (5)</b>	<b>(F)</b>
<b>MAN 511 – INTERNATIONAL MANPOWER MANAGEMENT (5)</b>	<b>(W,S)</b>
<b>MAN 512 – INTERNATIONAL MANAGEMENT (5)</b>	<b>(F,S)</b>
<b>MAN 521 – INTERGROUP RELATIONS IN ORGANIZATIONS (5)</b>	<b>(F,W)</b>
<b>MAN 522 – DILEMMAS OF RESPONSIBILITY IN BUSINESS MANAGEMENT (5)</b>	<b>(S)</b>
<b>MAN 523 – ORGANIZATION THEORY (5)</b>	<b>(F,W,S)</b>
<b>MAN 524 – INDUSTRIAL RELATIONS (5)</b>	<b>(F)</b>
<b>MAN 525 – LABOR MANAGEMENT AND COLLECTIVE BARGAINING (5)</b>	<b>(W)</b>
<b>MAN 526 – BEHAVIORAL SCIENCE IN MANAGEMENT (5)</b>	<b>(W)</b>
<b>MAN 527 – PERSONNEL MANAGEMENT (5)</b>	<b>(F,W,S)</b>
<b>MAN 528 – APPLIED DETERMINISTIC OPERATIONS RESEARCH (5)</b>	<b>(W)</b>
<b>MAN529 – APPLIED STOCHASTIC OPERATIONS RESEARCH (5)</b>	<b>(W)</b>

MAN 530 – SYSTEMS MANAGEMENT (5)	(S)
MAN 531 – SIMULATION OF MANAGEMENT SYSTEMS (5)	(S)
MAN 596 – MANAGERIAL ANALYSIS (5)	(W)
MAN (HSM) 513 – MANAGEMENT ANALYSIS IN HEALTH CARE INSTITUTIONS (5)	(F,W,S)
MAN (HSM) 514 – HEALTH CARE SYSTEMS (5)	(F,W,S)
MAN (HSM) 515 – HEALTH PLANNING TECHNIQUES (5)	(W,S)
ACC (MAN-HSM) 516 – HEALTH CARE FINANCIAL AND ACCOUNTING MANAGEMENT (5)	(W)
MAN (PPS) 541 – HUMAN INTERACTION I: PERSONAL GROWTH LABORATORY (5)	(W)
MIS 505 – SYSTEMS ANALYSIS (5)	(F)
MIS 509 – INFORMATION SYSTEMS DEVELOPMENT (5)	(F)
OPM 505 – OPERATIONS PLANNING AND CONTROL (5)	(W)
OPM 507 – MANAGERIAL ECONOMICS ANALYSIS (5)	(S)
OPM 508 – PRODUCTION INFORMATION SYSTEMS (5)	(W)
OPM 511 – PRODUCTION CONTROL SYSTEMS (5)	(S)
MSM 627 – ORGANIZATIONAL ANALYSIS (5)	(F)
MSM 628 – ORGANIZATIONAL INFORMATION SYSTEMS (5)	(W,S)
MSM (PPS) 641 – HUMAN INTERACTION II: ORGANIZATIONAL CONSULTATION (5)	(S)
MSM 650 – APPLIED DYNAMIC PROGRAMMING FOR MANAGERIAL DECISIONS (5)	(F)
MSM 651 – DETERMINISTIC MODELS FOR MANAGEMENT ANALYSIS (5)	(W)
MSM 652 – INVENTORY MODELS FOR MANAGERIAL DECISIONS (5)	(W)
MSM 653 – SURVEY OF MANAGEMENT SCIENCE (5)	(F)

MSM 654 – QUEING THEORY FOR MANAGERIAL DECISIONS (5)	(S)
MSM 655 – SEMINAR IN MANAGEMENT SCIENCE (5)	(F)
MSM 656 – SIMULATION OF MANAGEMENT SYSTEMS (5)	(W)
MSM 657 – STOCHASTIC MODELS FOR MANAGEMENT ANALYSIS (5)	(S)
MSM 659 – COLLECTIVE BARGAINING TOPICS (5)	(F)
MSM 661 – LABOR RELATIONS (5)	(W)
MSM 692 – RESEARCH METHODS IN MANAGEMENT (5)	(W,S)
MSM 693 – INDEPENDENT STUDY IN MANAGEMENT (5)	(F,W,S)
MSM 694 – MASTER'S SEMINAR IN MANAGEMENT (5)	(F,W,S)
MSM 695 – INDEPENDENT RESEARCH (5)	(F,W,S)
MSM 697 – SPECIAL TOPICS IN MANAGEMENT (5)	(F,W,S)

Additional MSM 600 level courses to be offered:

- GROUP PROCESSES IN ORGANIZATIONS (5)
- ORGANIZATION DEVELOPMENT AND RENEWAL (5)
- CONFLICT IN ORGANIZATIONS (5)
- INTERPERSONAL BEHAVIOR AND ANALYSIS (5)
- PERSONNEL TRAINING AND DEVELOPMENT (5)
- GOVERNMENT AND INDUSTRIAL RELATIONS (5)
- HEALTH CARE FACILITIES ORGANIZATION  
& MANAGEMENT (5)
- PUBLIC-PRIVATE MANPOWER POLICY  
AND MANAGEMENT (5)
- PERSONNEL SELECTION AND PLACEMENT (5)

## **INFORMATION REQUIREMENTS ANALYSIS (5)**

## **INFORMATION SYSTEMS DESIGN (5)**

# **PUBLIC ADMINISTRATION**

### **PAD 310 – ORGANIZATIONAL GROUP PROCESSES**

The impact of various organizational climates, tasks, roles and reward systems on the behavior of both the individuals and groups of employees in public organizations. Particular attention to alienation and motivation in job effectiveness and Public Service.

### **PAD 312 – NATIONAL POLICY AND ITS ADMINISTRATION**

Contemporary theories of policy analysis; the role of social, political, and cultural theories as they apply to the analysis and administration of public policies.

### **PAD 321 – ADMINISTRATORS AND THE LEGISLATIVE PROCESS**

A study of executive-legislative interactions; the impact of legislation and legislative processes on administrative policy decision-making and implementation; influence of administration on the legislating process.

### **PAD 325 – INTERNATIONAL COMPARATIVE ADMINISTRATION**

This course is conceived as introductory to a wide range of scholarly and practical ("applied") interests. Emphasis on institution building and development administration particularly within the third world countries.

### **PAD 400 – INTRODUCTION TO PUBLIC ADMINISTRATION**

The function of Administrative Institutions in Society; the growth of administration through the bureaucratic model both as an art and science; contemporary and comparative forms and theories of organization and responsibilities of public servants.

### **PAD 401 – ADMINISTRATIVE INTERACTION IN THE PUBLIC SECTOR**

Definition and analysis of administrative interfaces with multiple and varied public and private organizations. A study of the role expectations, pressures, and opportunities of the administrator in a complex environment.

### **PAD 402 – POLITICS OF ADMINISTRATIVE ORGANIZATION**

The role of political processes in relationship to public organizations and the types of intra- and inter-organizational politics which are unique to public organizations. Effects of these political processes upon organizational performance and their role in promoting or thwarting organizational change.



**PAD 403 – PERSONNEL ADMINISTRATION**

The general nature of public personnel administration, the development of the civil service system, concepts and issues currently applicable at the Federal, State and Local levels of government.

**PAD 404 – ORGANIZATION AND ADMINISTRATIVE THEORY**

History and development. Historical survey of theories of public organization and of contemporary and emerging theories. With special attention to the role of bureaucratic theory. Case investigation of manifested influence of the bureaucratic model in its various forms at Federal, State and local government levels.

**PAD 408 – PUBLIC CHOICE?**

Some historical analysis on the origin and concept of the public interest in Public Administration. Its various formulations as a concept and its contemporary interpretations. Specific role definitions and concepts of the public interest and public policy.

**PAD 410 – VALUES, ETHICS AND MORALITY IN CHANGING SOCIETY**

Theories of value; ethical systems and their influence of administration behavior and process; the administrator as an ethical actor; value conflict and resolution; philosophical bases of American thought.

**PAD 428 – BUDGETS AND THE ADMINISTRATIVE PROCESS**

The theory and practice of various approaches to budgeting e.g. time-item, performance, program and PPBS budgeting. Special emphasis upon the role of the budget in shaping the performance and policy direction of public organizations.

**Public Administration  
Graduate Course Listing 1973-74**

**PAD 515 – INTERNATIONAL PUBLIC ADMINISTRATION**

**PAD 516 – PERSONAL GROWTH AND PROFESSIONAL  
DEVELOPMENT**

**PAD 517 – PERSONNEL ADMINISTRATION AND BUDGETING**

**PAD 610 – ORGANIZATION DEVELOPMENT AND CHANGE**

**PAD 611 – DECISION MAKING THEORY AND PRACTICE**

**PAD 616 – DEVELOPMENT ADMINISTRATION**

**PAD 620 – PUBLIC ADMINISTRATION AND THEORIES OF  
ORGANIZATION**

**PAD 676 – PLURALISM AND DEMOCRACY IN ADMINISTRATION**

**PAD 677 – ORGANIZATIONAL BEHAVIOR IN COMPLEX  
PUBLIC STRUCTURES**

**PAD 679 – POLICY ANALYSIS AND ADMINISTRATIVE PROCESSES**

**PAD 681 – RESEARCH METHODOLOGY IN ADMINISTRATION**

## **MARKETING**

**MAR 393 – INDEPENDENT STUDY IN  
MARKETING (1-10) (F,W,S,SS)**

Individual conferences, supervised readings, reports on personal investigations. Consent of faculty tutor and divisional chairman required.

**MAR 397 – SPECIAL TOPICS IN  
MARKETING (1-10) (F,W,S,SS)**

Intensive study for groups of students of a particular topic of a limited number of topics, not otherwise offered in the curriculum. Consent of faculty supervisor and divisional chairman required.

**MAR 404 – INTERMEDIATE MARKETING MANAGEMENT (5) (F)**

An analytic approach to the performance of marketing management. The elements of the marketing mix as the focus of decision making in marketing are studied and the case method of instruction is employed.

**MAR 405 – FUNCTIONS OF RETAILING AND WHOLESALING (5) (F)**

Retailing and wholesaling as institutions in the channel of distribution are analyzed. Discussion of the various categories of retailers and wholesalers and the function they perform.

**MAR 406 – MARKETING OF SERVICES (5) (W)**

The course analyzes the problems and opportunities related to the marketing of intangibles. Treatment includes the marketing of such services as travel, hospitality, insurance, welfare, and government.

**MAR 410 – INTRODUCTION TO CONSUMER BEHAVIOR (5) (W)**

The course offers an introduction to the analysis of the consumer as the basis for the development of the marketing mix.

**MAR 411 – INTRODUCTION TO MARKETING RESEARCH (5) (S)**

An examination of the marketing research process and its role in aiding decision making. Emphasis is placed on evaluation and utilization of research information in making marketing decisions.

- MAR 423 – INDUSTRIAL MARKETING (5) (W)**  
Marketing in the intermediate consumer environment. Problems met in, and strategies for, marketing goods and services to commercial, industrial, and governmental markets.
- MAR 493 – INDEPENDENT STUDY IN MARKETING (1-10) (F,W,S,SS)**  
Individual conferences, supervised readings, reports on personal investigations. Consent of faculty tutor and divisional chairman required.
- MAR 495 – MARKETING INTERNSHIP (1-10) (F,W,S,SS)**  
Full-time supervised work in a selected organization. Prerequisites: At least twenty (20) hours in Marketing, consent of instructor and divisional chairman.
- MAR 497 – SPECIAL TOPICS IN MARKETING (1-10) (F,W,S,SS)**  
Intensive study for groups of students of a particular topic or a limited number of topics, not otherwise offered in the curriculum. Consent of faculty supervisor and divisional chairman required.
- MAR 505 – PROMOTIONAL STRATEGY (5) (W)**
- MAR 506 – INTERNATIONAL MARKETING (5) (S)**
- MAR 509 – PERSONAL SELLING (5) (F)**
- MAR 531 – MARKETING AND THE LAW (5) (S)**
- MAR 541 – MARKETING OF SMALL BUSINESS ENTERPRISES (5) (S)**
- MAR 551 – MACRO-MARKETING (5) (W)**
- MAR 570 – ADVANCED SERVICE MARKETING (5) (F)**
- MAR 593 – INDEPENDENT STUDY IN MARKETING (1-10) (F,W,S,SS)**
- MAR 597 – SPECIAL TOPICS IN MARKETING (1-10) (F,W,S,SS)**
- MAR 600 – GRADUATE SURVEY OF MARKETING (5) (F)**
- MAR 601 – ADVANCED MARKETING MANAGEMENT (5) (F)**
- MAR 610 – CONSUMER BEHAVIOR (5) (F)**
- MAR 611 – INTERNATIONAL MARKETING (5) (SS)**
- MAR 612 – MARKETING RESEARCH (5) (SS)**
- MAR 613 – QUANTITATIVE METHODS IN MARKETING (5) (SS)**

MAR 623 – INDUSTRIAL MARKETING (5)	(W)
MAR 627 – BEHAVIORAL CONCEPTS IN MARKETING (5)	(W,SS)
MAR 628 – MARKETING CHANNELS (5)	(W,SS)
MAR 651 – META-MARKETING (5)	(S)
MAR 655 – SOCIAL ISSUES IN MARKETING (5)	(S,SS)
MAR 693 – INDEPENDENT STUDY IN MARKETING (5)	(F,W,S,SS)
MAR 695 – MARKETING INTERNSHIP (1-10)	(F,W,S,SS)
MAR 697 – SPECIAL TOPICS IN MARKETING (5)	(F,W,S,SS)

## REAL ESTATE

RES 390 – INTRODUCTION TO REAL ESTATE (5)	(F)
Decision making processes for development, financing, marketing, and management of real estate space; economics of regional development and urbanization; public policy issues concerning urban environment and the real estate business. Prerequisite to all other courses in real estate and regional development.	
RES 391 – LEGAL ENVIRONMENT OF REAL ESTATE (5)	(W)
Legal environment of real property ownership, transfer and brokerage; estates in land; sales contracts; mortgage transactions; title; conveyances; landlord and tenant; restrictions and zoning, eminent domain. Prerequisite: RES 390 or permission of instructor.	
RES 393 – INDEPENDENT STUDY IN REAL ESTATE (1-10)	(F,W,S,SS)
Individual conferences, supervised readings, reports on personal investigations. Consent of faculty tutor and divisional chairman required.	
RES 397 – SPECIAL TOPICS IN REAL ESTATE (1-10)	(F,W,S,SS)
Intensive study for groups of students of a particular topic or a limited number of topics, not otherwise offered in the curriculum. Consent of faculty supervisor and divisional chairman required.	
RES 493 – INDEPENDENT STUDY IN REAL ESTATE (1-10)	(F,W,S,SS)
Individual conferences, supervised readings, reports on personal investigations. Consent of faculty tutor and divisional chairman required.	
RES 497 – SPECIAL TOPICS IN REAL ESTATE (1-10)	(F,W,S,SS)
Intensive study for groups of students of a particular topic or a limited number of topics, not otherwise offered in the curriculum. Consent of faculty supervisor and divisional chairman required.	

<b>RES 500 – REAL ESTATE FINANCE (5)</b>	<b>(F)</b>
<b>RES 507 – VALUATION OF REAL ESTATE (5)</b>	<b>(W)</b>
<b>RES 509 – REAL ESTATE INVESTMENT (5)</b>	<b>(W)</b>
<b>RES 511 – URBAN LAND ACQUISITION AND DEVELOPMENT (5)</b>	
<b>RES 513 – REAL ESTATE MARKETING (5)</b>	<b>(S)</b>
<b>RES 515 – REAL ESTATE MANAGEMENT (5)</b>	<b>(S)</b>
<b>RES 592 – REAL ESTATE POLICY (5)</b>	<b>(SS)</b>
<b>MSM 600 – GRADUATE SURVEY OF REAL ESTATE (5)</b>	<b>(F)</b>
<b>MSM 685 – SEMINAR IN REAL ESTATE FINANCE (5)</b>	
<b>MSM 686 – SEMINAR IN REAL ESTATE VALUATION THEORY AND PRACTICE (5)</b>	
<b>MSM 687 – SEMINAR IN URBAN PLANNING AND DEVELOPMENT (5)</b>	
<b>MSM 688 – SEMINAR IN URBAN HOUSING POLICY AND PROBLEMS (5)</b>	
<b>MSM 689 – SEMINAR IN REAL ESTATE INVESTMENT ANALYSIS AND TAXATION (5)</b>	
<b>MSM 695 – INDUSTRY PROJECT (5)</b>	

## **TRANSPORTATION**

<b>TRA 393 – INDEPENDENT STUDY IN TRANSPORTATION (1-10)(F,W,S,SS)</b> Individual conferences, supervised readings, reports on personal investigations. Consent of faculty tutor and divisional chairman required.	
<b>TRA 397 – SPECIAL TOPICS IN TRANSPORTATION (1-10)</b>	<b>(F,W,S,SS)</b>
Intensive study for groups of students of a particular topic or a limited number of topics, not otherwise offered in the curriculum. Consent of faculty supervisor and divisional chairman required.	
<b>TRA 405 – TRANSPORTATION SYSTEMS AND SERVICES (5)</b>	<b>(F)</b>
Survey and analysis of transportation modes including rail, motor, air, water, pipeline, and mass transit and their impact on the social and economic systems; current problems.	

- TRA 406 – MASS TRANSPORTATION AND URBAN PROBLEMS (5) (W)**  
 Urban and metropolitan transportation development and requirements; benefits and costs of alternative approaches to mass transit; management techniques and operating principles; policy and regulation.
- TRA 409 – PRINCIPLES OF TRANSPORTATION LOGISTICS (5) (F)**  
 Consideration of transportation logistics and its relationship to production and distribution; characteristics, management, legislation, and public regulation, applied to modes of transportation.
- TRA 492 – TRANSPORTATION POLICY (5) (W)**  
 Consideration of national transportation policy; principle policy issues currently facing the transportation modes.
- TRA 493 – INDEPENDENT STUDY IN TRANSPORTATION (1-10)(F,W,S,SS)**  
 Individual conferences, supervised readings, reports on personal investigations. Consent of faculty tutor and divisional chairman required.
- TRA 495 – TRANSPORTATION INTERNSHIP (1-10) (F,W,S,SS)**  
 Full time supervised work in a selected organization. Prerequisites: At least twenty (20) hours in Transportation, consent of instructor and divisional chairman.
- TRA 497 – SPECIAL TOPICS IN TRANSPORTATION (1-10) (F,W,S,SS)**  
 Intensive study for groups of students of a particular topic or a limited number of topics, not otherwise offered in the curriculum. Consent of faculty supervisor and divisional chairman required.
- TRA 507 – TRANSPORTATION OPERATIONS AND CARRIER MANAGEMENT (5)**
- TRA 508 – TRANSPORTATION REGULATION AND POLICY (5)**
- TRA 509 – PHYSICAL DISTRIBUTION MANAGEMENT (5)**
- TRA 515 – TRANSPORTATION LOGISTICS (5)**
- TRA 600 – GRADUATE SURVEY OF TRANSPORTATION (5) (F)**
- TRA 693 – INDEPENDENT STUDY IN TRANSPORTATION (1-10)(F,W,S,SS)**
- TRA 697 – SPECIAL TOPICS IN TRANSPORTATION (1-10) (F,W,S,SS)**

## URBAN AND REGIONAL AFFAIRS

- URB 401 – THE URBAN SCENE (5) (F)**  
Introductory course to the urban phenomenon; historical and contemporary consideration of cities; functions and purposes of cities; economic, social, and cultural aspects of urbanization.
- URB 405 – PLANNING AND MANAGEMENT IN AN URBAN ENVIRONMENT (5) (W)**  
General examination of selected aspects of the urban environment that are becoming concerns for policy makers; topics covered include growth and development of urban and metropolitan areas, housing and transportation, the inner city, poverty and racial problems, and urban finance and politics. The purpose is to sharpen conceptions of how business is involved in the urban scene, and what steps it can make to ameliorate it.
- URB 415 – URBAN AND REGIONAL ANALYSIS (5) (SS)**  
Theories of urban and regional growth; economics of location and agglomeration; urban and regional social accounting, economic base analysis, input-output models, gravity models, and linear-programming. Urban structure and performance.
- URB 416 – URBAN PROBLEMS AND POLICIES (5) (S)**  
Consideration of the scope of the urban agenda; selected problems of contemporary cities; use of benefit-cost analysis, program planning and evaluation, non-market decision making, user charges, and externalities in an urban environment; interrelation of private and public sectors in managing aspects of the urban system; role and contributions of planners and other professionals.
- URB 493 – INDEPENDENT STUDY IN URBAN AND REGIONAL AFFAIRS (1-10) (F,W,S,SS)**  
Individual conferences, supervised readings, reports on personal investigations. Consent of faculty tutor and Divisional Chairman required.
- URB 497 – SPECIAL TOPICS IN URBAN AND REGIONAL AFFAIRS (1-10) (F,W,S,SS)**  
Intensive study for groups of students of a particular topic or a limited number of topics, not otherwise offered in the curriculum. Consent of faculty supervisor and Division Chairman required.
- URB 503 – COMPARATIVE URBAN SYSTEMS (5) (W)**
- URB 505 – URBAN DESIGN (5) (S)**
- URB 507 – PUBLIC UTILITY PRINCIPLES (5) (W)**

URB 510 – URBAN GEOGRAPHY (5) (W)

URB 511 – URBAN LAND PLANNING AND USE (5) (S)

URB 525 – INNER CITY DEVELOPMENT (5) (S)

URB 535 – URBAN DEMOGRAPHY (5)

URB 585 – FACULTY-STUDENT WORKSHOP

IN URBAN AND REGIONAL STUDIES (5) (F,W,S,SS)

URB 600 – GRADUATE SURVEY OF URBAN AFFAIRS (5) (S)

URB 693 – INDEPENDENT STUDY IN URBAN AND

AND REGIONAL AFFAIRS (1-10) (F,W,S,SS)

URB 697 – SPECIAL TOPICS IN URBAN AND

REGIONAL AFFAIRS (1-10) (F,W,S,SS)

## PARKS AND RECREATION MANAGEMENT

At this printing, the Schools of Education and Business and Organizational Sciences are planning an interdisciplinary program in Parks & Recreation Management at both the baccalaureate and master degree level. It is anticipated that this program will be implemented in the fall of 1973. Interested students should inquire at the Dean's office in either School.

## GRADUATE BULLETIN

Five-hundred level courses, which are open primarily to Senior and Graduate students, and 600 level courses, which are open to Graduate students, are described in the Graduate Bulletin of the School of Business and Organizational Sciences. This bulletin may be obtained from the Dean, School of Business and Organizational Sciences.



# School of Education



*Dean G. Wesley Sowards*

The School of Education offers both undergraduate and graduate degree programs that meet requirements for certification to be employed as a teacher, counselor, school psychologist, supervisor, or principal in Florida schools.

Consistent with the location and the mission of the University, every effort is made in all degree programs to recognize the urban and multi-cultural context in which schools in South Florida operate, and the commitment of the University to international understanding. The School of Education also provides service to schools and other educational agencies in South Florida, and carries out research and development activities to improve the effectiveness of both its training and service missions.

To carry out its educational mission within the University, the School of Education has been organized into five major divisions, each responsible for specific undergraduate and graduate programs leading to bachelor and master degrees and appropriate professional certification. The Divisions, and their program areas, are:

**Division of Curriculum and Instruction** — prepares teachers for nursery, elementary, middle, and secondary schools with program specializations in:

- Kindergarten—Grade 6
- Art Education — Grades 1–12\*
- Drama Education — Grades 7–12\*
- Mathematics Education — Grades 7–12\*
- Music Education — Grades 1–12\*
- English Education — Grades 7–12\*
- Humanities Education — Grades 7–12\*
- Modern Languages Education — Grades 7–12\*
- Science Education — Grades 7–12\*
- Social Studies Education — Grades 7–12\*

\*Students in these specializations may opt to earn their degree in either the School of Education or the College of Arts and Sciences.

**Division of Vocational and Technical Education** — prepares teachers for secondary schools and other educational settings, and supervisors and administrators for vocational education with program specializations in:

- Home Economics Education
- Industrial Arts Education
- Technical Education
- Vocational Industrial Education
- Vocational Education: Administration and Supervision

**Division of Special Education and Pupil Services** — prepares teachers to work with exceptional students, and to provide pupil personnel services, with program specializations in:

- Special Education
  - Specific Learning Disabilities
  - Mental Retardation
  - Behaviorial Disorders
- Counselor Education
- School Psychology

**Division of Health, Physical Education, Recreation and Athletics** — prepares teachers for elementary and secondary schools, and recreation administrators, with program specializations in:

- Health Education — Grades 7–12
- Physical Education — Grades 1–12
- Parks and Recreation Management

**Division of General Professional Education, Adult Education and Educational Administration** — offers basic courses for all teacher education students, and prepares administrators and supervisors with program specializations in:

- Administration: Elementary, Secondary, and General
- Supervision: Elementary, Secondary, and General
- Adult Education: Instruction and Administration

Detailed information on each of these Divisions and their programs is set forth later in this section of the catalog. Also, each Division maintains a counseling service and students should direct inquiries to the Divisional office responsible for the program in which they are interested.

## ADMISSION

**Undergraduate Students:** The School of Education will accept as undergraduates those who hold an Associate in Arts degree, or its equivalent, and will provide them with a program leading to the bachelor's degree and teacher certification. Entering students are not required to have been enrolled in a pre-teaching program. Students having an Associate in Science degree will enroll initially in either the School of Education or the College of Arts and Sciences (Liberal Studies Curriculum), depending on the program they seek to enter.

**Graduate Students:** Students applying for admission to graduate study must meet the criteria used in The State University System of Florida. Presently these are either a 3.0 or "B" average in the upper division or a combined score of 1,000 on the Graduate Record Examination (verbal and quantitative aptitude sections). All applicants to the School of Education – even those with a "B" or better average – are required to submit GRE scores. These scores will be used in the admission process and for counseling purposes.

All Master of Science degree programs have admission stipulations that include one or more prior professional training and/or experience requirements, in addition to the undergraduate academic record and/or Graduate Record Examination test scores. Students should consult with the Division office in the School of Education that is responsible for the major in which they are interested before applying for graduate admission to the University.

## GENERAL PROGRAM DESIGN – Undergraduate

Undergraduate courses offered by the School of Education are designed to be performance-or-competency-based. To the extent possible, they also allow for student progress to be self-paced.

The typical undergraduate will complete 90 quarter hours in study at Florida International University, and all are expected to complete the last 45 hours of their undergraduate study at Florida International University. Twenty quarter hours taken as a Special Student at the University may be applied to an undergraduate degree program if the work is applicable to the student's major.

Teacher certification regulations require course work in the Social and Psychological Foundations of Education. This requirement may be met in the Community College and students are urged to do so. Otherwise, courses in these two areas must be completed at Florida International University.

All teacher education students, no matter their area of specialization, enroll in a 15-quarter unit "core" during the Junior year. This core consists of three courses:

EDU 305 – Schooling in America

EDU 311 – General Teaching Lab I : Technical Skills

EDU 312 – General Teaching Lab II: Human Relation Skills

Subsequent Special Teaching Laboratories and Courses build on these core courses to extend and refine understandings and skills. All programs include one full quarter of student teaching.

All undergraduate programs require course work in the College of Arts and Sciences, or one of the other Schools. These courses provide necessary subject matter preparation to go along with professional preparation.

Students graduate with a Bachelor of Science degree, and are qualified for a Rank III graduate teacher certificate in their field of specialization.

Professional education courses offered as a part of undergraduate teacher certification programs are normally open only to students who have been admitted to a teacher preparation program. Other students may be admitted by permission of the course instructor only.

## **GENERAL PROGRAM DESIGN – Graduate**

Graduate courses offered by the School of Education are also designed to be performance-or-competency-based, and to allow for student self-pacing. All graduate programs are designed to require some course work in Education, some in the College of Arts and Sciences or one of the other Schools, and electives in any academic unit.

The specifics of any master's degree program are developed between the student and his advisor to reflect individual student interests within the context of professional certification requirements. A typical program will include courses, seminars, and appropriate field experiences.

The typical graduate student will complete 45 quarter hours at Florida International University to earn a Master of Science in Education degree. A few programs require as many as 90 quarter hours. As a general rule, students may transfer 10 quarter hours taken at another accredited college or university toward a 45-quarter hour master's degree and 15 toward a 90-quarter-hour program at Florida International University. Also, 15 quarter hours of work taken as a special student at Florida International may be applied to a master's program if applicable to the student's major.

## **DIVISION OF GENERAL PROFESSIONAL EDUCATION, ADULT EDUCATION, AND EDUCATIONAL ADMINISTRATION**

**Undergraduate Program:** This Division does not offer an undergraduate major. It is responsible for the fifteen quarter hours of "core" courses (EDU 305, EDU 311, and EDU 312), which are required of all undergraduate teacher education students. Each of the core courses, like other courses, in the School of Education, has a field experience requirement. Students will carry out assignments in the community or designated schools.

**Graduate Programs:** This Division offers graduate programs in Adult Education and in Administration and Supervision (Elementary, Secondary, and General). Typical programs of study in these areas are shown below. Applicants for a Master's degree in Adult Education must meet the Board of Regents criteria for admission to graduate study and, in some cases, may have to satisfy additional requirements depending on the individual's career goals. Applicants to a Master's degree program in School Administration or

Supervision must meet the Board of Regents criteria for admission to graduate study, must possess a Florida Rank III graduate certificate or equivalent, and must have completed at least one year of successful teaching as a full-time teacher.

In addition to the core courses and graduate programs in Adult Education, Administration, and Supervision the Division offers a number of advanced general courses in professional education, including Instructional Technology, Instructional Media, Analysis of Teaching, Educational Research, and Comparative and International Education.

**Program of Study  
for the  
MASTER OF SCIENCE IN EDUCATION  
ADMINISTRATION: ELEMENTARY OR SECONDARY**

<b>Core Requirements</b>	<b>Credits</b>
EDA 605 The Organization & Operation of Public School Systems	4
EDA 608 Supervision in Education	4
EDA 609 Curriculum Development & Evaluation	4
EDU 507 Analysis & Application of Educational Research	4
 <b>Other Courses</b>	
EDA 606 The Administration of an Elementary School or	
EDA 607 The Administration of a Secondary School	4
EDA 615 Curriculum Improvement Programs in School Systems or	
EDA 616 Staff Development Programs in School Systems or	4
EDA 617 Emerging Designs for School Organization and Staff Utilization	
EDA 695 Supervised Field Experience	3-5
EEL 605 Curriculum Design for Childhood Education or	4
EDS 625 Secondary School Curriculum	4
 <b>Electives</b> — from Education, School of Business & Organizational Sciences, or College of Arts & Sciences	 <u>8-10</u>
	45

**Program of Study  
for the  
MASTER OF SCIENCE IN EDUCATION  
ADULT EDUCATION:  
(1) ADMINISTRATION AND SUPERVISION  
(2) CURRICULUM AND INSTRUCTION**

<b>Core Requirements</b> . . . . .	16-20 hrs.
To be selected with advisor from the following:	
EAD 507 Principles and Practices of Adult Education (4)	
EAD 508 Organization and Administration of Adult Ed. (4)	
EAD 509 Adult Teaching and Learning (4)	
EAD 519 Program Development in Adult Education: Community Institutional Level (4)	
EAD 520 Program Development in Adult Education: Activity Instructional Level (4)	
EAD 615 Research in Adult Education (4)	
 <b>Other Courses</b> . . . . .	 12-16 hrs.
Selected on the basis of individual needs and career goals.	
 <b>Electives</b> . . . . .	 <u>12-16 hrs.</u>
	45 hrs.

**Program of Study  
for the  
MASTER OF SCIENCE IN EDUCATION  
SUPERVISION: ELEMENTARY OR SECONDARY**

<b>Core Requirements</b>	<b>Credits</b>
EDA 605 The Organization & Operation of Public School Systems	4
EDA 608 Supervision in Education	4
EDA 609 Curriculum Development & Evaluation	4
EDU 507 Analysis & Application of Educational Research	4
 <b>Other Courses</b>	
EDA 615 Curriculum Improvement Programs in School Systems	4
EDA 617 Emerging Designs for School Organization & Staff Utilization	4
EDA 695 Supervised Field Experience	3-5
EEL 605 Curriculum Design for Childhood Education	4
or	
EDS 625 Secondary School Curriculum	4
 <b>Electives</b> – from Education, School of Business & Organizational Sciences, or College of Arts & Sciences	 <u>8-10</u>
	45

## COURSE OFFERINGS

- EDU 305 – SCHOOLING IN AMERICA (5) (F,W,S,SS)**  
A course designed to cause the student to confront in a systematic way the schooling enterprise and to examine current issues in educational objectives, in curriculum and instruction, and in the teaching profession, in the context of our pluralistic American society.
- EDU 311 – GENERAL TEACHING LABORATORY I (5) (F,W,S,SS)**  
Laboratory practice in instructional skills, techniques and strategies general to all age levels and subject matter areas.
- EDU 312 – GENERAL TEACHING LABORATORY II (5) (F,W,S,SS)**  
Development of human relations skills to facilitate interaction and prepare students to deal with individuals and groups in a multi-ethnic urban classroom.
- EDU 505 – INSTRUCTIONAL TECHNOLOGY (4) (F)**  
Development of instructional skills with an emphasis on the use of a systems approach in the design, implementation and evaluation of programs.
- EDU 506 – ANALYSIS OF TEACHING (4) (W)**  
Examination of the research on instruction in the various teaching fields and the development of skills in systems of observation and analysis of teacher behavior.
- EDU 507 – ANALYSIS AND APPLICATION OF EDUCATIONAL RESEARCH (4) (F,W)**  
Survey of selected educational research emphasizing the application of descriptive and inferential techniques.
- EDU 508 – FIELD STUDY ABROAD (5-10) (By Arrangement)**  
Development of international and cross-cultural understandings of educational philosophies and systems through planned travel and study abroad.
- EDU 509 – NATIONAL EDUCATIONAL SYSTEMS: A COMPARATIVE ANALYSIS (4) (F,SS)**  
An examination of educational structures and guiding educational objectives in world-wide perspective. A limited number of both developed and developing countries will be studied. Special attention will be paid to the responses of national educational systems to common educational issues.
- EDU 510 – SUPERVISING FIELD EXPERIENCES IN TEACHER EDUCATION (4) (By Arrangement)**  
Practices and procedures for supervising field experiences in teacher education. Prerequisites: Possession of the Rank III graduate certificate and teaching experience.

**EDU 514 – LATIN AMERICAN EDUCATION: AN HISTORICAL AND CONTEMPORARY OVERVIEW (4) (W)**

This course will acquaint the student with the historical development of Latin American education and with the principal forces shaping this development. Colonial values and norms, post-revolutionary challenges to the educational status quo, and contemporary currents in Latin American education will be examined.

**EDU 515 – EDUCATIONAL SYSTEMS IN LATIN AMERICA (4) (S)**

A selective study of current educational structures and guiding educational objectives in Latin America. Special emphasis will be put on the responses of national educational systems to such issues as universal primary and secondary education; vocational education and education for development, universal literacy and the use of non-formal education, and student rights and university reform.

**EDU 516 – INSTRUCTIONAL MEDIA (4) (W)**

This course is designed to provide the competencies required for effective selection and utilization of instructional media. Criteria for sources, selection, evaluation and methods of implementing media will be considered. Laboratory experiences will emphasize basic production methods.

**EDU 517 – MEASUREMENT AND EVALUATION IN EDUCATION (4) (S)**

Development of competencies in the construction and evaluation of tests. Topics to be covered include reliability, validity, selection and administration of standardized tests, and basic descriptive statistics.

**EDU 595 – INDIVIDUAL STUDY (1-5) (F,W,S,SS)**

The student plans and carries out an independent study project under direction. Prerequisite: Consent of chairman of the division.

**EDU 605 – RESEARCH METHODS IN EDUCATION (5) (W,S)**

Development of research design and analytical skills required for in-depth investigation of educational problems.

## **ADULT EDUCATION**

**EAD 507 – PRINCIPLES AND PRACTICES OF ADULT EDUCATION (4) (F,S)**

Examines the development of adult education in the public schools, various private and public agencies, and in the community. Identifies the principles, practices, and characteristics of adult education; i.e., financing of adult programs, characteristics of adult learners, and typical adult education curricula.

**EAD 508 – ORGANIZATION AND ADMINISTRATION OF ADULT EDUCATION (4) (W)**

Principles and practices of administering, staffing, organizing and



implementing adult education programs and institutions. Examines administrative responsibilities, finance, staff recruitment, directing instructional and operational phases of adult programs.

**EAD 509 – ADULT TEACHING AND LEARNING (4) (S)**

Reviews and critiques research on adult learning on teaching methodologies in adult education. Backgrounds are probed for physiological, psychological and sociological factors which distinguish adult learners from youthful learners, and resultant implications are identified.

**EAD 510 – DESIGNING EDUCATIONAL PROGRAMS FOR DISADVANTAGED ADULTS (4) (S)**

Examines the meaning, nature and magnitude of poverty and various forms of disadvantage. Explores antecedents of these problems and forces which sustain, compound and/or inhibit their prevention, solution, or alleviation. Reviews and critiques past and present responses to these problems, including the role of basic adult education programs. Areas: competencies needed by teachers, curricula and materials, and the "disadvantaged" adult as a learner. Problem areas such as recruitment and motivation are explored.

**EAD 519 – PROGRAM DEVELOPMENT IN ADULT EDUCATION: COMMUNITY/INSTITUTIONAL LEVEL (4) (W)**

Examines major processes of program development and various development models. Explores procedures for and contingency variables associated with developing a philosophy, identifying needs and wants, specifying objectives, and identifying and mobilizing resources, and evaluation. Relationships between adult education and community development are established. Special problem areas such as coordination and communication are examined.

**EAD 520 – PROGRAM DEVELOPMENT IN ADULT EDUCATION: ACTIVITY/INSTRUCTIONAL LEVEL (4) (SS)**

Provides for a review and analysis of models for instructional design. Factors relating to various input process, and output variables are delineated. Special problems relating to instructional design in adult education are reviewed as are related research efforts and documented practices.

**EAD 525 – WORKSHOP IN ADULT EDUCATION (3-15) (By Arrangement)**

Short-term intensive development of selected operational competencies related to instructional, curricular and/or administrative skills, practices and procedures of special interest to students in adult education.

**EAD 595 – INDIVIDUAL STUDY IN ADULT EDUCATION (1-5) (F,W,S,SS)**

Specialized intensive study in areas of interest to the student. Subject to approval of program advisor.

**EAD 596 – SUPERVISED FIELD EXPERIENCES  
IN ADULT EDUCATION (1-5) (F,W,S,SS)**

Internship placements in various on-going adult education programs according to students' needs and interests. On-site supervisory visits are made by program advisors. Joint conferences and seminars involving the student, the program advisor, and an appropriate representative of the cooperating agency are also conducted intermittently.

**EAD 615 – RESEARCH IN ADULT EDUCATION (4) (S)**  
Systematic identification and analysis of problems in adult education; reviewing, interpreting, and translating research findings into curricular and teaching practice in adult education.

**EAD 697 – SEMINAR IN ADULT EDUCATION (2-4) (S)**  
Provides intensive study of instructional, curricular, and/or administrative principles and practices for the solution of problems of special interest to students in adult education.

## **EDUCATIONAL ADMINISTRATION AND SUPERVISION**

**EDA 605 – THE ORGANIZATION AND OPERATION  
OF PUBLIC SCHOOL SYSTEMS (4) (F,SS)**

Examines the public school system as a complex formal organization with particular attention to the dynamics of community-school interactions, goal clarification and program evaluation, procurement and allocation of resources, general administrative provisions, and the legal context within which the school system operates.

**EDA 606 – THE ADMINISTRATION OF AN  
ELEMENTARY SCHOOL (4) (S)**

Emphasizes the development of competencies required to assume the role of principal of an elementary school, with particular attention to the urban setting. Prerequisite: EDA 605.

**EDA 607 – THE ADMINISTRATION OF A  
SECONDARY SCHOOL (4) (S)**

Emphasizes the development of competencies required to assume the role of principal of a secondary school, with particular attention to the urban setting. Prerequisite: EDA 605.

**EDA 608 – SUPERVISION IN EDUCATION (4) (W)**

Examines supervision as a function and the supervisor as a role in urban school systems, with particular attention to the development of leadership skills required to support and facilitate individual teacher and faculty group change.

**EDA 609 – CURRICULUM DEVELOPMENT AND EVALUATION (4) (W)**

Deals with philosophic and empirical bases upon which to develop

the overall curriculum for a school system, kindergarten through the junior college, and procedures to evaluate its effectiveness.

**EDA 615 – CURRICULUM IMPROVEMENT**

**PROGRAMS IN URBAN SCHOOL SYSTEMS (4) (W)**

Describes and critiques the procedures and mechanisms used in urban school systems to provide for the continuing improvement of the curriculum. Prerequisite: EDA 605.

**EDA 616 – STAFF DEVELOPMENT PROGRAMS IN**

**URBAN SCHOOL SYSTEMS (4) (F)**

Describes and critiques the procedures and mechanisms used in urban school systems to provide for the continuing professional development of teachers and other professional staff members. Prerequisite: EDA 605.

**EDA 617 – EMERGING DESIGNS FOR SCHOOL ORGANIZATION**

**AND STAFF UTILIZATION (4) (W)**

Critically examines currently advocated plans for organizing school systems and individual schools and for specifying and utilizing staff which depart markedly from typical practice. Prerequisite: EDA 605.

**EDA 695 – SUPERVISED FIELD EXPERIENCE (3-5) (S)**

Provides an opportunity to develop and refine administrative and supervisory skills by undertaking an arranged field-based assignment. Prerequisite: EDA 605, EDA 606 or EDA 607, EDA 608.

**EDA 696 – SEMINAR IN SCHOOL**

**ADMINISTRATION/SUPERVISION (3) (SS)**

Provides for the in-depth study of selected issues and developments in school administration and supervision, including an examination of related research.

**EDA 697 – WORKSHOP IN SCHOOL**

**ADMINISTRATION/SUPERVISION (3-5) (By Arrangement)**

Offers an opportunity for experienced school administrators and supervisors to participate in a problem-oriented workshop.

**EDA 698 – INDIVIDUAL STUDY IN SCHOOL**

**ADMINISTRATION/SUPERVISION (1-5) (F,W,S,SS)**

For advanced students wishing to undertake an individual project directly related to school administration or supervision.

**DIVISION OF  
CURRICULUM AND INSTRUCTION**

The Division of Curriculum and Instruction offers programs at both the Bachelor's and the Master's Degree levels. The Bachelor of Science Degree is

awarded at the completion of an undergraduate program and the Master of Science is awarded to students completing a Graduate program. Programs offered by the Division satisfy teacher certification standards for the State of Florida.

### UNDERGRADUATE PROGRAM

Students enrolled in the Division of Curriculum and Instruction may pursue the following programs:

Art Education	Mathematics Education
Childhood Education	Modern Language Education
Drama Education	Music Education
Early Childhood Education	Science Education
English Education	Social Studies Education
Humanities Education	

Students majoring in the Division of Curriculum and Instruction are assigned to an advisor in his teaching field. After being admitted to the University and with the assistance of an advisor, the student will construct a program of study for the duration of his stay at Florida International University. The program of study must comply with the University's degree requirements and will reflect the career goals of the student. A typical undergraduate program for an entering Junior student requires ninety (90) quarter hours which may be completed by a full-time student in a minimum of six quarters. Upon completion of the program of study, the student is awarded a Bachelor of Science Degree, and qualifies for Rank III Certification in the State of Florida.

Students desiring certification in a secondary school teaching field have the option of registering in either the School of Education and working for a B.S. in Education degree or in the College of Arts and Sciences and working for an Arts and Science degree. Students should consult advisors in the unit in which they wish to earn their degree.

### STUDENT TEACHING AND LABORATORY EXPERIENCES

Many courses offered by the Division of Curriculum and Instruction require observation and participation in selected schools. These experiences are a required segment of the course and are identified in the course description.

The student teaching assignment is fulfilled in selected schools under the direction of classroom teachers and University faculty.

The student teaching experience is on a full-time basis for a complete quarter. The student is eligible for student teaching after the completion of all professional education courses. In general, the student is expected to enroll for the student teaching assignment in the senior year.

Applications for student teaching may be obtained from the office of the Chairman of the Division of Curriculum and Instruction, and should be returned to that office early in the quarter following completion of 135 quarter hours of credit or no later than two quarters prior to the time of registration for student teaching. Permission will be contingent upon completion of all specified requirements in the program being pursued.

## GRADUATE PROGRAM

Graduate work in the Division of Curriculum and Instruction is designed to prepare professional educators for the role of master teacher, and for leadership roles in Curriculum and Instruction.

Graduate programs are offered in the following specialized areas:

Art Education	Modern Language Education
Childhood Education	Music Education
Early Childhood Education	Reading Education
English Education	Science Education
Mathematics Education	Social Studies Education

Students must file a program of study with their advisor. The program of study must comply with the general Master's Degree requirements and reflect the career goals of the student.

Upon completion of his program, the student is awarded the Master of Science degree and qualifies for Rank II Certification in the State of Florida.

Requirements for admission to programs in Curriculum and Instruction are (1) Completion of an appropriate undergraduate teacher education program, (2) Satisfactory scholastic aptitude as determined by the Graduate Admission standards, and (3) A satisfactory record in the teaching field.

A typical program of study consists of 45 quarter hours of course work. Generally, ten quarter hours of graduate study from another accredited college or university may be transferred if applicable to the student's program.

## TEACHERS OF ART

### Lower Division Preparation

As a part of the 90 quarter hours (60 semester hours) of lower division coursework necessary to enter this upper division major, note the following recommendations and/or requirements:

**Required Courses:** Adequate preparation in art; students will be admitted to the program who have:

1. an AA degree in Art or
2. (a) two semesters: art survey  
(b) two dimensional and three dimensional design and basic and figure drawing through a transcript from another institution or
3. departmental permission to dual enroll in a junior college for coursework in design and/or drawing.

**Recommended Courses:** Equivalents of the courses listed below in the "Foundations of Education" (section 2) are offered in the Community College and students are urged to take them before entering Florida International University. If not, 10 quarter hours of foundations (section 2) will be needed to meet this requirement. The State of Florida requires one course in psychological foundations and one course in social foundations for teacher certification.

## Florida International University Program of Study

1. Subject Matter Specialization		CREDITS
40 to 45 quarter hours in the upper division, including		
ART HISTORY, including CONTEMPORARY ART		10
DRAWING, PAINTING, PRINTMAKING/PHOTOGRAPHY		15
SCULPTURE		5
CRAFTS		10
2. Foundations of Education		
PSYCHOLOGY 307	— HUMAN GROWTH AND DEVELOPMENT	5
PSYCHOLOGY 305	— INTRODUCTORY EDUCATIONAL PSYCHOLOGY	5
SOCIOLOGY 343	— SCHOOL AND SOCIETY	5
PHILOSOPHY 326	— PHILOSOPHIES OF EDUCATION	5
Professional Education		
EDU 305	— SCHOOLING IN AMERICA K-14	5
EDU 311	— GENERAL TEACHING LABORATORY I	5
EDU 312	— GENERAL TEACHING LABORATORY II	5
EEL 405	— SPECIAL TEACHING LABORATORY: ART IN GRADES K-6	5
EDS 416	— SPECIAL TEACHING LABORATORY: ART IN GRADES 7-12	5
EDS 425	— STUDENT TEACHING	15

### Electives

Sufficient number of hours to make a total of 90 quarter hours at Florida International University.

## TEACHERS OF KINDERGARTEN — GRADE 6

### Lower Division Preparation:

As a part of the 90 quarter hours (60 semester hours) of lower division coursework necessary to enter this upper division major, note the following recommendations and/or requirements.

**Required Courses:** None

**Recommended Courses:** (a) It is strongly recommended that coursework be considered in the areas of \*music skills, \*art skills or basic design for children, \*mathematics for elementary teachers, Florida history, children's theatre and \*physical education activities for children.

\*Will be required for the 1974-75 academic year.

(b) Equivalents for the courses listed below in the "Foundations of Education" (section 1) are offered in the Community College, and students are urged to take them before entering Florida International. If not, 10 quarter hours of foundations (section 1) will be needed to meet this requirement. The State of Florida requires one course in psychological foundations and one course in social foundations for teacher certification.

**Remarks:** Students should consider the Community College experience as an opportunity to explore areas of general interest as well as to prepare for a specific professional goal.

**Florida International University Program of Study:**

<b>1. Foundations of Education</b>			<b>CREDITS</b>
PSYCHOLOGY 307	–	HUMAN GROWTH AND DEVELOPMENT	5
or			
PSYCHOLOGY 305	–	INTRODUCTORY EDUCATIONAL PSYCHOLOGY	5
and			
SOCIOLOGY 343	–	SCHOOL AND SOCIETY	5
or			
PHILOSOPHY 326	–	PHILOSOPHIES OF EDUCATION	5

**2. Professional Education**

EDU	305	–	SCHOOLING IN AMERICA	5
EDU	311	–	GENERAL TEACHING LABORATORY I	5
EDU	312	–	GENERAL TEACHING LABORATORY II	5
EEL	306	–	AESTHETIC EXPERIENCE FOR CHILDREN	5
EEL	307	–	HEALTH AND PHYSICAL EDUCATION FOR CHILDREN	5
EEL	401	–	COMMUNICATION SKILLS I	5
EEL	402	–	COMMUNICATION SKILLS II	5
EEL	411	–	DEVELOPMENT OF ATTITUDES AND SKILLS FOR INQUIRY I	5
EEL	412	–	DEVELOPMENT OF ATTITUDES AND SKILLS FOR INQUIRY II	5
EEL	425	–	STUDENT TEACHING	5

Students enrolled in the program of Childhood Education are required to complete the sequence listed above. All courses consist of experiences which provide the prospective teacher with those skills necessary for effective teaching.

**3. Area of Concentration:** All Childhood Education majors must complete a program of an area of concentration consisting of 15 hours. The area of concentration is defined as 15 hours of work beyond and Associate of Arts degree, or its equivalent, which is offered to extend the student's background of information and understanding in the area of his choice. A wide variety of choices exist. Consult your advisor for this information.

**4. Electives**

15 Credit Hours

# TEACHERS OF MUSIC

## Lower Division Preparation:

As a part of the 90 quarter hours (60 semester hours) of lower division coursework necessary to enter this upper division major, note the following recommendations and/or requirements:

**Required Courses:** Adequate preparation in music, students will be admitted to the program who have:

1. An AA degree in Music or
2. Provided evidence of competency through departmental exams in the areas of theory, performance in a major instrument, sight singing, and proficiency at the keyboard.

**Recommended Courses:** Equivalents of the courses listed below in the "Foundations of Education" (section 2) are offered in the Community College and students are urged to take them before entering Florida International University. If not, 10 quarter hours of foundations (section 2) will be needed to meet this requirement. The State of Florida requires one course in psychological foundations and one course in social foundations for teacher certification.

## Florida International University Program of Study:

	CREDITS
<b>1. Subject Matter Specialization</b>	
45 quarter hours in the upper division including	
12 Hours in APPLIED MUSIC	
2 Hours in RECITAL AND RESEARCH	
15 Hours in MUSIC THEORY	
2 Hours in CONDUCTING	
5 Hours in MUSIC HISTORY	
<b>2. Foundations of Education</b>	
PSYCHOLOGY 307 – HUMAN GROWTH AND DEVELOPMENT	5
or	
PSYCHOLOGY 305 – INTRODUCTORY EDUCATIONAL PSYCHOLOGY	5
and	
SOCIOLOGY 343 – SCHOOL AND SOCIETY	5
or	
PHILOSOPHY 326 – PHILOSOPHIES OF EDUCATION	5
<b>3. Professional Education</b>	
EDU 305 – SCHOOLING IN AMERICA K-14	5
EDU 311 – GENERAL TEACHING LABORATORY I	5
EDU 312 – GENERAL TEACHING LABORATORY II	5
EDU 406 – SPECIAL TEACHING LABORATORY: MUSIC	5
EDS 425 – STUDENT TEACHING	15



#### 4. Electives

Sufficient number of hours to make a total of 90 quarter hours at Florida International University.

## SECONDARY SCHOOL TEACHERS OF BIOLOGY

### Lower Division Preparation:

As a part of the 90 quarter hours (60 semester hours) of lower division coursework necessary to enter this upper division major, note the following recommendations and/or requirements:

**Required Courses:** None

**Recommended Courses:** (a) 12 quarter hours (8 semester hours) of Biology; 12 quarter hours (8 semester hours) of General Chemistry; Mathematics through Analytical Geometry.

(b) Equivalents of the courses listed below in the "Foundations of Education" (section 2) are offered in the Community College and students are urged to take them before entering Florida International. If not, 10 quarter hours of foundations (section 2) will be needed to meet this requirement. The State of Florida requires one course in psychological foundations and one course in social foundations for teacher certification.

### Florida International University Program of Study:

<b>1. Subject Matter Specialization</b>		<b>CREDITS</b>
A. 30 quarter hours of BIOLOGY		30
B. 15 quarter hours including ORGANIC CHEMISTRY, PHYSICAL CHEMISTRY, AND CALCULUS		15
<b>2. Foundations of Education</b>		
PSYCHOLOGY 307 – HUMAN GROWTH AND DEVELOPMENT		5
or		
PSYCHOLOGY 305 – INTRODUCTORY EDUCATIONAL PSYCHOLOGY		5
and		
SOCIOLOGY 343 – SCHOOL AND SOCIETY		5
PHILOSOPHY 326 – PHILOSOPHIES OF EDUCATION		5
<b>3. Professional Education</b>		
EDU 305 – SCHOOLING IN AMERICA: K-14		5
EDU 311 – GENERAL TEACHING LABORATORY I		5
EDU 312 – GENERAL TEACHING LABORATORY II		5
EDS 408 – SPECIAL TEACHING LABORATORY: SCIENCE		5
EDS 425 – STUDENT TEACHING		15
<b>4. Electives</b>		
Sufficient number of hours to make a total of 90 quarter hours at Florida International University.		

## SECONDARY SCHOOL TEACHERS OF CHEMISTRY

### Lower Division Preparation:

As a part of the 90 quarter hours (60 semester hours) of lower division coursework necessary to enter this upper division major, note the following recommendations and/or requirements:

**Required Courses:** None

**Recommended Courses:** (a) General Chemistry, Organic Chemistry, General Physics with Calculus, and Mathematics through Calculus II. (b) Equivalents of the courses listed below in the "Foundations of Education" (section 2) are offered in the Community College and students are urged to take them before entering Florida International. If not, 10 quarter hours of foundations (section 2) will be needed to meet this requirement. The State of Florida requires one course in psychological foundations and one course in social foundations for teacher certification.

**Remarks:** Linear Algebra, a pre-requisite for Multi-variable Calculus (section 1, below), may be taken either in the lower division or at Florida International University.

### Florida International University Program of Study:

	CREDITS
<b>1. Subject Matter Specialization</b>	
21-25 quarter hours including the following:	
A. PHYSICAL CHEMISTRY	15
B. PHYSICAL CHEMISTRY LAB	1-5
C. MULTI-VARIABLE CALCULUS	5
<b>2. Foundations of Education</b>	
PSYCHOLOGY 307 – HUMAN GROWTH AND DEVELOPMENT	5
or	
PSYCHOLOGY 305 – INTRODUCTORY EDUCATIONAL PSYCHOLOGY	5
and	
SOCIOLOGY 343 – SCHOOL AND SOCIETY	5
or	
PHILOSOPHY 326 – PHILOSOPHIES OF EDUCATION	5
<b>3. Professional Education</b>	
EDU 305 – SCHOOLING IN AMERICA K-14	5
EDU 311 – GENERAL TEACHING LABORATORY I	5
EDU 312 – GENERAL TEACHING LABORATORY II	5
EDS 408 – SPECIAL TEACHING LABORATORY: SCIENCE	5
EDS 425 – STUDENT TEACHING	15
<b>4. Electives</b>	
Recommended electives in Environmental Studies. Sufficient number of hours to make a total of 90 quarter hours at Florida International University.	

# SECONDARY SCHOOL TEACHERS OF ENGLISH

## Lower Division Preparation:

As a part of the 90 quarter hours (60 semester hours) of lower division coursework necessary to enter this upper division major, note the following recommendations and/or requirements:

**Required Courses:** None

**Recommended Courses:** Equivalents of the courses listed below in the "Foundations of Education" (section 2) are offered in the Community College and students are urged to take them before entering Florida International University. If not, 10 quarter hours of foundations (section 2) will be needed to meet this requirement. The State of Florida requires one course in psychological foundations and one course in social foundations for teacher certification.

**Remarks:** Nine quarter hours (six semester hours) beyond freshman English may be transferred from the lower division toward satisfying requirements of Section 1 below.

## Florida International University Program of Study:

- |   | CREDITS   |
|---|-----------|
| <b>1. Subject Matter Specialization</b>   | <b>40</b> |
| 40 quarter hours beyond freshman ENGLISH  | 40        |
| Included in the 40 quarter hours must be 10 to 15 quarter hours in each of the following areas:     |           |
| A. COMMUNICATIONS   |           |
| B. LITERATURE   |           |
| C. LANGUAGE   |           |
| <b>2. Foundations of Education</b>  |           |
| PSYCHOLOGY 307 – HUMAN GROWTH AND DEVELOPMENT   | 5         |
| or  |           |
| PSYCHOLOGY 305 – INTRODUCTORY EDUCATIONAL PSYCHOLOGY  | 5         |
| and   |           |
| SOCIOLOGY 343 – SCHOOL AND SOCIETY  | 5         |
| or  |           |
| PHILOSOPHY 326 – PHILOSOPHIES OF EDUCATION  | 5         |
| <b>3. Professional Education</b>  |           |
| EDU 305 – SCHOOLING IN AMERICA K-14   | 5         |
| EDU 311 – GENERAL TEACHING LABORATORY I   | 5         |
| EDU 312 – GENERAL TEACHING LABORATORY II  | 5         |
| EDS 405 – SPECIAL TEACHING LABORATORY: ENGLISH  | 5         |
| EDS 425 – STUDENT TEACHING  | 15        |
| <b>4. Electives</b>   |           |
| Sufficient number of hours to make a total of 90 quarter hours at Florida International University. |           |

# SECONDARY SCHOOL TEACHERS OF HISTORY

## Lower Division Preparation:

As a part of the 90 quarter hours (60 semester hours) of lower division coursework necessary to enter this upper division major, note the following recommendations and/or requirements:

**Required Courses:** None

**Recommended Courses:** Equivalents of the courses listed below in the "Foundations of Education" (section 2) are offered in the Community College and students are urged to take them before entering Florida International. If not, 10 quarter hours of foundations (section 2) will be needed to meet this requirement. The State of Florida requires one course in psychological foundations and one course in social foundations for teacher certification.

**Remarks:** Nine quarter hours (six semester hours) beyond the Social Science requirement in General Education may be transferred from the lower division toward satisfying requirements of sections 1 C and/or D below.

## Florida International University Program of Study:

	CREDITS
<b>1. Subject Matter Specialization</b>	
A. HISTORY 301 – INTRODUCTION TO HISTORY	5
B. U.S. HISTORY AT 300, 400, or 500 level	10
C. HISTORY other than U.S.	20
D. U.S. GOVERNMENT	5
<b>2. Foundations of Education</b>	
PSYCHOLOGY 307 – HUMAN GROWTH AND DEVELOPMENT	5
or	
PSYCHOLOGY 305 – INTRODUCTORY EDUCATIONAL PSYCHOLOGY	5
and	
SOCIOLOGY 343 – SCHOOL AND SOCIETY	5
or	
PHILOSOPHY 326 – PHILOSOPHIES OF EDUCATION	5
<b>3. Professional Education</b>	
EDU 305 – SCHOOLING IN AMERICA K-14	5
EDU 311 – GENERAL TEACHING LABORATORY I	5
EDU 312 – GENERAL TEACHING LABORATORY II	5
EDS 409 – SPECIAL TEACHING LABORATORY: SOCIAL STUDIES	5
EDS 425 – STUDENT TEACHING	15
<b>4. Electives</b>	
Sufficient number of hours to make a total of 90 quarter hours at Florida International University.	

## SECONDARY SCHOOL TEACHERS OF HUMANITIES

### Lower Division Preparation:

As a part of the 90 quarter hours (60 semester hours) of lower division coursework necessary to enter this upper division major, note the following recommendations and/or requirements:

**Required Courses:** None

**Recommended Courses:** Equivalents of the courses listed below in the "Foundations of Education" (section 2) are offered in the Community College and students are urged to take them before entering Florida International. If not, 10 quarter hours of foundations (section 2) will be needed to meet this requirement. The State of Florida requires one course in psychological foundations and one course in social foundations for teacher certification.

**Remarks:** Nine quarter hours (six semester hours) beyond the Humanities requirement in General Education may be transferred from the lower division toward satisfying requirements of section 1, below.

### Florida International University Program of Study:

	CREDITS
<b>1. Subject Matter Specialization</b>	
15 quarter hours in four of the following seven area, a total of 60 quarter hours:	60
ENGLISH	MUSIC
FINE ARTS	PHILOSOPHY-RELIGION
HISTORY	THEATRE
MODERN LANGUAGES	
<b>2. Foundations of Education</b>	
PSYCHOLOGY 307 – HUMAN GROWTH AND DEVELOPMENT	5
or	
PSYCHOLOGY 305 – INTRODUCTORY EDUCATIONAL PSYCHOLOGY	5
and	
SOCIOLOGY 343 – SCHOOL AND SOCIETY	5
or	
PHILOSOPHY 326 – PHILOSOPHIES OF EDUCATION	5
<b>3. Professional Education</b>	
EDU 305 – SCHOOLING IN AMERICA K-14	5
EDU 311 – GENERAL TEACHING LABORATORY I	5
EDU 312 – GENERAL TEACHING LABORATORY II	5
SPECIAL TEACHING LABORATORY IN ART	
or ENGLISH, or MUSIC, or SOCIAL STUDIES	5
EDS 425 – STUDENT TEACHING	15
<b>4. Electives</b>	
Sufficient number of hours to make a total of 90 quarter hours at Florida International University.	

## SECONDARY SCHOOL TEACHERS OF MATHEMATICS

### Lower Division Preparation:

As a part of the 90 quarter hours (60 semester hours) of lower division coursework necessary to enter this upper division major, note the following recommendations and/or requirements:

**Required Courses:** None

**Recommended Courses:** (a) Coursework in Mathematics through Calculus. Depending on their background, students who have not completed Calculus will need to add 5 to 10 hours to their program (section 1 below). (b) Equivalents of the courses listed below in the "Foundations of Education" (section 2) are offered in the Community College and students are urged to take them before entering Florida International University. If not, 10 quarter hours of foundations (section 2) will be needed to meet this requirement. The State of Florida requires one course in psychological foundations and one course in social foundations for teacher certification.

### Florida International University Program of Study:

	CREDITS
<b>1. Subject Matter Specialization</b>	
35 quarter hours beyond CALCULUS, including at least: 10 quarter hours in Probability and Statistics and 5 quarter hours in a computer related course	35
<b>2. Foundations of Education</b>	
PSYCHOLOGY 307 – HUMAN GROWTH AND DEVELOPMENT	5
or	
PSYCHOLOGY 305 – INTRODUCTORY EDUCATIONAL PSYCHOLOGY	5
and	
SOCIOLOGY 343 – SCHOOL AND SOCIETY	5
or	
PHILOSOPHY 326 – PHILOSOPHIES OF EDUCATION	5
<b>3. Professional Education</b>	
EDU 305 – SCHOOLING IN AMERICA K-14	5
EDU 311 – GENERAL TEACHING LABORATORY I	5
EDU 312 – GENERAL TEACHING LABORATORY II	5
EDS 406 – SPECIAL TEACHING LABORATORY: MATHEMATICS	5
EDS 425 – STUDENT TEACHING	15
<b>4. Electives</b>	
Sufficient number of hours to make a total of 90 quarter hours at Florida International University.	

# SECONDARY SCHOOL TEACHERS OF MODERN LANGUAGES

## Lower Division Preparation:

As a part of the 90 quarter hours (60 semester hours) of lower division coursework necessary to enter this upper division major, note the following recommendations and/or requirements:

**Required Courses:** Four semester of elementary and intermediate modern language.

**Recommended Courses:** Equivalents of the courses listed below in the "Foundations of Education" (section 2) are offered in the Community College and students are urged to take them before entering Florida International. If not, 10 quarter hours of foundations (section 2) will be needed to meet this requirement. The State of Florida requires one course in psychological foundations and one course in social foundations for teacher certification.

## Florida International University Program of Study:

1. Subject Matter Specialization		CREDITS
30 quarter hours beyond second year college language in LANGUAGE and LITERATURE		30
2. Foundations of Education		
PSYCHOLOGY 307	— HUMAN GROWTH AND DEVELOPMENT	5
or		
PSYCHOLOGY 305	— INTRODUCTORY EDUCATIONAL PSYCHOLOGY	5
and		
SOCIOLOGY 343	— SCHOOL AND SOCIETY	5
or		
PHILOSOPHY 326	— PHILOSOPHIES OF EDUCATION	5
3. Professional Education		
EDU 305	— SCHOOLING IN AMERICA K-14	5
EDU 311	— GENERAL TEACHING LABORATORY I	5
EDU 312	— GENERAL TEACHING LABORATORY II	5
EDS 407	— SPECIAL TEACHING LABORATORY: MODERN LANGUAGES	5
EDS 425	— STUDENT TEACHING	15
4. Electives		

Sufficient number of hours to make a total of 90 quarter hours at Florida International University.

## SECONDARY SCHOOL TEACHERS OF PHYSICS

### Lower Division Preparation:

As a part of the 90 quarter hours (60 semester hours) of lower division coursework necessary to enter this upper division major, note the following recommendations and/or requirements:

**Required Courses:** None

**Recommended Courses:** (a) General Physics with Calculus and Mathematics through Calculus II. (b) Equivalents of the courses listed below in the "Foundations of Education" (section 2) are offered in the Community College and students are urged to take them before entering Florida International. If not, 10 quarter hours of foundations (section 2) will be needed to meet this requirement. The State of Florida requires one course in psychological foundations and one course in social foundations for teacher certification.

**Remarks:** Linear Algebra, a prerequisite for Multi-variable Calculus (section 1, below) may be taken either in the lower division or at Florida International University.

### Florida International University Program of Study:

	CREDITS
<b>1. Subject Matter Specialization</b>	
25 quarter hours in PHYSICS, including work in the following: ELECTRICITY and MAGNETISM, OPTICS, and ELECTRONICS, plus Multi-variable CALCULUS	25
<b>2. Foundations of Education</b>	
PSYCHOLOGY 307 — HUMAN GROWTH AND DEVELOPMENT	5
or	
PSYCHOLOGY 305 — INTRODUCTORY EDUCATIONAL PSYCHOLOGY	5
and	
SOCIOLOGY 343 — SCHOOL AND SOCIETY	5
or	
PHILOSOPHY 326 — PHILOSOPHIES OF EDUCATION	5
<b>3. Professional Education</b>	
EDU 305 — SCHOOLING IN AMERICA K-14	5
EDU 311 — GENERAL TEACHING LABORATORY I	5
EDU 312 — GENERAL TEACHING LABORATORY II	5
EDS 408 — SPECIAL TEACHING LABORATORY: SCIENCE	5
EDS 425 — STUDENT TEACHING	15
<b>4. Electives</b>	
Recommended electives in Instrumentation, Environmental Studies, and Dynamics. Sufficient number of hours to make a total of 90 quarter hours at Florida International University.	



# SECONDARY SCHOOL TEACHERS OF PSYCHOLOGY

## Lower Division Preparation

As a part of the 90 quarter hours (60 semester hours) of lower division coursework necessary to enter this upper division major, note the following recommendations and/or requirements:

**Required Courses:** None

**Recommended Courses:** (a) A course in General Introduction of Psychology or Foundations of Psychology. (b) Equivalent of the courses listed below in the "Foundations of Education" (section 2) are offered in the Community College and students are urged to take them before entering Florida International. If not, 10 quarter hours of foundations (section 2) will be needed to meet this requirement. The State of Florida requires one course in psychological foundations and one course in social foundations for teacher certification.

## Florida International University Program of Study:

	CREDITS
<b>1. Subject Matter Specialization</b>	
35 to 45 quarter hours in the upper division as follows:	
A. ADVANCED GENERAL PSYCHOLOGY	5
B. EXPERIMENTAL PSYCHOLOGY	5
C. One course in at least two of the following areas:	10
(1) GENERAL or EXPERIMENTAL PSYCHOLOGY (in addition to the courses above)	
(2) DEVELOPMENTAL PSYCHOLOGY	
(3) SOCIAL PSYCHOLOGY	
(4) INDUSTRIAL PSYCHOLOGY	
(5) PERSONALITY/CLINICAL PSYCHOLOGY	
D. ELECTIVES IN PSYCHOLOGY	15-25
<b>2. Foundations of Education</b>	
PSYCHOLOGY 307 – HUMAN GROWTH AND DEVELOPMENT	5
or	
PSYCHOLOGY 305 – INTRODUCTORY EDUCATIONAL PSYCHOLOGY	5
and	
SOCIOLOGY 343 – SCHOOL AND SOCIETY	5
or	
PHILOSOPHY 326 – PHILOSOPHIES OF EDUCATION	5
<b>3. Professional Education</b>	
EDU 305 – SCHOOLING IN AMERICA K-14	5
EDU 311 – GENERAL TEACHING LABORATORY I	5
EDU 312 – GENERAL TEACHING LABORATORY II	5
EDS 409 – SPECIAL TEACHING LABORATORY: SOCIAL STUDIES	5
EDS 425 – STUDENT TEACHING	15

#### 4. Electives

Recommended elective: Elementary Statistics.

Sufficient number of hours to make a total of 90 quarter hours at Florida International University.

## SECONDARY SCHOOL TEACHERS OF SOCIAL STUDIES

### Lower Division Preparation

As a part of the 90 quarter hours (60 semester hours) of lower division coursework necessary to enter this upper division major, note the following recommendations and/or requirements:

**Required Courses:** None

**Recommended Courses:** (a) with reference to section 1 below, students are encouraged to take as much coursework at the lower division as possible except that two courses in History, one course in Political Science, and one course in Geography must be taken at the upper division level. (b) Equivalents of the courses listed below in the "Foundations of Education" (section 2) are offered in the Community College and students are urged to take them before entering Florida International University. If not, 10 quarter hours of foundations (section 2) will be needed to meet this requirement. The State of Florida requires one course in psychological foundations and one course in social foundations for teacher certification.

### Florida International University Program of Study:

1. Subject Matter Specialization	CREDITS
A. U.S. HISTORY	9-10
B. EUROPEAN HISTORY (RUSSIAN HISTORY would count in this category)	9-10
C. HISTORY other than U.S. or EUROPEAN, including credit in both LATIN AMERICAN HISTORY and ASIAN HISTORY	9-10
D. POLITICAL SCIENCE, including a course in U.S. GOVERNMENT	10
E. FOUNDATIONS OF ECONOMICS	5
F. GEOGRAPHY, including a course in NATURAL RESOURCES	10
G. SOCIOLOGY of U.S. SUB-CULTURES	5
2. Foundations of Education	
PSYCHOLOGY 307 – HUMAN GROWTH AND DEVELOPMENT	5
or	
PSYCHOLOGY 305 – INTRODUCTORY EDUCATIONAL PSYCHOLOGY	5
and	
SOCIOLOGY 343 – SCHOOL AND SOCIETY	5
or	
PHILOSOPHY 326 – PHILOSOPHIES OF EDUCATION	5

### 3. Professional Education

EDU	305	– SCHOOLING IN AMERICA K-14	5
EDU	311	– GENERAL TEACHING LABORATORY I	5
EDU	312	– GENERAL TEACHING LABORATORY II	5
EDS	409	– SPECIAL TEACHING LABORATORY: SOCIAL STUDIES	5
EDS	425	– STUDENT TEACHING	15

### 4. Electives

Recommended electives: Anthropology and Psychology.

Sufficient number of hours to make a total of 90 quarter hours at Florida International University.

## SECONDARY SCHOOL TEACHERS OF DRAMA

### Lower Division Preparation

As a part of the 90 quarter hours (60 semester hours) of lower division coursework necessary to enter this upper division major, note the following recommendations and/or requirements:

**Required Courses:** None

**Recommended Courses:** Equivalents of the courses listed below in the "Foundations of Education" (section 2) are offered in the Community College and students are urged to take them before entering Florida International. If not, 10 quarter hours of foundations (section 2) will be needed to meet this requirement. The State of Florida requires one course in psychological foundations and one course in social foundations for teacher certification.

### Florida International University Program of Study

1. Subject Matter Specialization		CREDITS
45 quarter hours in the upper division as follows:		
HISTORY OF THEATRE	5	5
Remaining 40 quarter hours to be distributed between PRODUCTION and PERFORMANCE courses		40
2. Foundations of Education		
PSYCHOLOGY 307	– HUMAN GROWTH AND DEVELOPMENT	5
or		
PSYCHOLOGY 305	– INTRODUCTORY EDUCATIONAL PSYCHOLOGY	5
and		
SOCIOLOGY 343	– SCHOOL AND SOCIETY	5
or		
PHILOSOPHY 326	– PHILOSOPHIES OF EDUCATION	5

**3. Professional Education**

EDU	305	—	SCHOOLING IN AMERICA K-14	5
EDU	311	—	GENERAL TEACHING LABORATORY I	5
EDU	312	—	GENERAL TEACHING LABORATORY II	5
EDS	415	—	SPECIAL TEACHING LABORATORY: SPEECH/DRAMA	
EDS	425	—	STUDENT TEACHING	15

**4. Electives**

Sufficient number of hours to make a total of 90 quarter hours at Florida International University.

**Graduate Programs  
Program of Study  
for  
MASTER OF SCIENCE IN EDUCATION  
SPECIALTY: ART EDUCATION**

<b>A. EDUCATION.</b>				20 quarter hours
*1.	EDU	505	INSTRUCTIONAL TECHNOLOGY	4 hrs.
*2.	EDU	506	ANALYSIS OF TEACHING	4 hrs.
3.	EDS	605	TEACHING ART IN THE SECONDARY SCHOOL	4 hrs.
4.	EDS	625	SECONDARY SCHOOL CURRICULUM	4 hrs.
5.	EDU	507	ANALYSIS AND APPLICATION OF EDUCATIONAL RESEARCH	4 hrs.
<b>B. TEACHING FIELD ART</b>				16 to 20 quarter hours
<b>C. ELECTIVES</b>				5 to 9 quarter hours

\*These Education courses to be taken before other Education courses in the following sequence: EDU 505, EDU 506.

**Program of Study  
for  
MASTER OF SCIENCE IN EDUCATION  
SPECIALTY: SECONDARY SCHOOL BIOLOGY**

<b>A. EDUCATION</b>				20 quarter hours
*1.	EDU	505	INSTRUCTIONAL TECHNOLOGY	4 hrs.
*2.	EDU	506	ANALYSIS OF TEACHING	4 hrs.
3.	EDS	617	TEACHING BIOLOGICAL SCIENCES IN THE SECONDARY SCHOOL	4 hrs.
4.	EDS	625	SECONDARY SCHOOL CURRICULUM	4 hrs.
5.	EDU	507	ANALYSIS AND APPLICATION OF EDUCATIONAL RESEARCH	4 hrs.

**B. TEACHING FIELD  
BIOLOGY**

16 to 20 quarter hours

**C. ELECTIVES**

5 to 9 quarter hours

\*These Education courses to be taken before other Education courses in the following sequence: EDU 505, EDU 506.

**Program of Study  
for  
MASTER OF SCIENCE IN EDUCATION  
SPECIALTY: CHILDHOOD EDUCATION**

**A. GENERAL PROFESSIONAL EDUCATION** 12 quarter hours

- |    |     |     |   |        |
|----|-----|-----|---|--------|
| 1. | EDU | 605 | CURRICULUM DESIGN FOR<br>CHILDHOOD EDUCATION        | 4 hrs. |
| 2. | EDU | 507 | ANALYSIS AND APPLICATION OF<br>EDUCATIONAL RESEARCH | 4 hrs. |
| 3. | SOC | 582 | SOCIOLOGY OF EDUCATION<br>or                        | 4 hrs. |
| 4. | PSY | 505 | ADVANCED EDUCATIONAL<br>PSYCHOLOGY                  | 4 hrs. |

**B. AREA OF SPECIALIZATION** 24 quarter hours

- |    |  |     |  |         |
|----|--|-----|--|---------|
| 1. | EEL  | 606 | EDUCATIONAL PROGRAMS FOR<br>OLDER CHILDREN | 4 hrs.  |
| 2. | (Other courses to be selected from among<br>EEL course listings) |     |  | 20 hrs. |

**C. ELECTIVES** 9 quarter hours

**Program of Study  
for  
MASTER OF SCIENCE IN EDUCATION  
SPECIALTY: EARLY CHILDHOOD EDUCATION**

**A. GENERAL PROFESSIONAL EDUCATION** 12 quarter hours

- |    |     |     |   |        |
|----|-----|-----|---|--------|
| 1. | EDU | 605 | CURRICULUM DESIGN FOR<br>CHILDHOOD EDUCATION      | 4 hrs. |
| 2. | EDU | 507 | ANALYSIS & APPLICATION OF<br>EDUCATIONAL RESEARCH | 4 hrs. |
| 3. | SOC | 582 | SOCIOLOGY OF EDUCATION<br>or                      | 4 hrs. |
| 4. | PSY | 505 | ADVANCED EDUCATIONAL<br>PSYCHOLOGY                | 4 hrs. |

<b>B. AREA OF SPECIALIZATION</b>		24 quarter hours
1. ECE 606	EDUCATION PROGRAMS FOR YOUNGER CHILDREN	4 hrs.
2. (Other courses to be selected from among ECE course listings)		20 hrs.

**C. ELECTIVES** 9 quarter hours

**Program of Study  
for  
MASTER OF SCIENCE IN EDUCATION  
SPECIALTY: SECONDARY SCHOOL ENGLISH**

<b>A. EDUCATION</b>		20 quarter hours
*1. EDU 505	INSTRUCTIONAL TECHNOLOGY	4 hrs.
*2. EDU 506	ANALYSIS OF TEACHING	4 hrs.
3. SELECT ONE OF THE FOLLOWING:		
EDS 607	TEACHING LITERATURE IN THE SECONDARY SCHOOL	4 hrs.
	or	
EDS 608	COMMUNICATION THROUGH NON-PRINT MEDIA	4 hrs.
	or	
EDS 626	TEACHING MODERN GRAMMAR AND USAGE IN THE SECONDARY SCHOOL	4 hrs.
	or	
EDS 627	TEACHING COMPOSITION IN THE SECONDARY SCHOOL	4 hrs.
4. EDS 625	SECONDARY SCHOOL CURRICULUM	4 hrs.
5. EDU 507	ANALYSIS AND APPLICATION OF EDUCATIONAL RESEARCH	4 hrs.

**B. TEACHING FIELD  
ENGLISH** 16 to 20 quarter hours

**C. ELECTIVES** 5 to 9 quarter hours

\*These Education courses to be taken before other Education courses in the following sequence: EDU 505, EDU 506.

**Program of Study  
for  
MASTER OF SCIENCE IN EDUCATION  
SPECIALTY: SECONDARY SCHOOL HISTORY**

<b>A. EDUCATION</b>		20 quarter hours
*1. EDU 505	INSTRUCTIONAL TECHNOLOGY	4 hrs.
*2. EDU 506	ANALYSIS OF TEACHING	4 hrs.
3. EDS 619	TEACHING SOCIAL STUDIES IN THE SECONDARY SCHOOL	4 hrs.

4.	EDS	625	SECONDARY SCHOOL CURRICULUM	4 hrs.
5.	EDU	507	ANALYSIS AND APPLICATION OF EDUCATIONAL RESEARCH	4 hrs.

**B. TEACHING FIELD  
HISTORY**

16 to 20 quarter hours

**C. ELECTIVES**

5 to 9 quarter hours

\*These Education courses to be taken before other Education courses in the following sequence: EDU 505, EDU 506.

**Program of Study  
for  
MASTER OF SCIENCE IN EDUCATION  
SPECIALTY: SECONDARY SCHOOL MATHEMATICS**

<b>A. EDUCATION</b>				20 quarter hours
*1.	EDU	505	INSTRUCTIONAL TECHNOLOGY	4 hrs.
*2.	EDU	506	ANALYSIS OF TEACHING	4 hrs.
3.	EDS	609	TEACHING MATHEMATICS IN THE SECONDARY SCHOOL	4 hrs.
4.	EDS	625	SECONDARY SCHOOL CURRICULUM	4 hrs.
5.	EDU	507	ANALYSIS AND APPLICATION OF EDUCATIONAL RESEARCH	4 hrs.

**B. TEACHING FIELD  
MATHEMATICS**

16 to 20 quarter hours

**C. ELECTIVES**

5 to 9 quarter hours

\*These Education courses to be taken before other Education courses in the following sequence: EDU 505, EDU 506.

**Program of Study  
for  
MASTER OF SCIENCE IN EDUCATION  
SPECIALTY: SECONDARY SCHOOL MODERN LANGUAGES**

<b>A. EDUCATION</b>				20 quarter hours	20 quarter hours
*1.	EDU	505	INSTRUCTIONAL TECHNOLOGY	4 hrs.	
*2.	EDU	506	ANALYSIS OF TEACHING	4 hrs.	
3.	EDS	615	TEACHING MODERN LANGUAGES IN SECONDARY SCHOOL	4 hrs.	
4.	EDS	625	SECONDARY SCHOOL CURRICULUM	4 hrs.	
5.	EDU	507	ANALYSIS AND APPLICATION OF EDUCATIONAL RESEARCH	4 hrs.	

**B. TEACHING FIELD  
MODERN LANGUAGES**

16 to 20 quarter hours

**C. ELECTIVES**

5 to 9 quarter hours

\*These Education courses to be taken before other Education courses in the following sequence: EDU 505, EDU 506.

**Program of Study  
for  
MASTER OF SCIENCE IN EDUCATION  
SPECIALTY: MUSIC EDUCATION**

<b>A. EDUCATION</b>				20 quarter hours
*1.	EDU	505	INSTRUCTIONAL TECHNOLOGY	4 hrs.
			or	
*2.	EDU	506	ANALYSIS OF TEACHING	4 hrs.
			Select one of the above.	
3.	EDS	625	SECONDARY SCHOOL CURRICULUM	4 hrs.
			or	
4.	EEL	605	CURRICULUM DESIGN FOR CHILDHOOD EDUCATION	4 hrs.
			Select one of the above.	
5.	EDU	507	ANALYSIS AND APPLICATION OF EDUCATIONAL RESEARCH	4 hrs.
6.	EDU	616	METHODOLOGY OF MUSIC TEACHING	4 hrs.
7.	EDU	617	SEMINAR IN MUSIC EDUCATION	4 hrs.

**B. TEACHING FIELD  
MUSIC**

20 quarter hours

**C. ELECTIVE**

5 quarter hours

\*EDU 505 and EDU 506 should be taken before other Education courses.

**Program of Study  
for  
MASTER OF SCIENCE IN EDUCATION  
SPECIALTY: READING**

<b>A. GENERAL PROFESSIONAL EDUCATION</b>				12 quarter hours
1.	EDU	507	ANALYSIS AND APPLICATION OF EDUCATIONAL RESEARCH	5 hrs.
2.	EEL	605	CURRICULUM DESIGN FOR CHILDHOOD EDUCATION	3 hrs.
3.	SOC	582	SOCIOLOGY OF EDUCATION	5 hrs.
			or	
4.	PSY	505	ADVANCED EDUCATIONAL PSYCHOLOGY	5 hrs.



<b>B. AREA OF SPECIALIZATION</b>			33 quarter hours
1.	EEL 606	EDUCATION PROGRAM FOR OLDER CHILDREN	4 hrs.
2.	(Other courses to be selected in consultation with your advisor)		

**Program of Study  
for  
MASTER OF SCIENCE IN EDUCATION  
SPECIALTY: SECONDARY SCHOOL SOCIAL STUDIES**

<b>A. EDUCATION</b>			20 quarter hours
*1.	EDU 505	INSTRUCTIONAL TECHNOLOGY	4 hrs.
*2.	EDU 506	ANALYSIS OF TEACHING	4 hrs.
3.	EDS 619	TEACHING SOCIAL STUDIES IN THE SECONDARY SCHOOL	4 hrs.
4.	EDS 625	SECONDARY SCHOOL CURRICULUM	4 hrs.
5.	EDU 507	ANALYSIS AND APPLICATION OF EDUCATIONAL RESEARCH	4 hrs.

<b>B. TEACHING FIELD SOCIAL STUDIES</b>			16 to 20 quarter hours
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<b>C. ELECTIVES</b>			5 to 9 quarter hours
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\*These Education courses to be taken before other Education courses in the following sequence: EDU 505, EDU 506.

**CHILDHOOD EDUCATION**

**EEL 306 – AESTHETIC EXPERIENCES FOR CHILDREN (5) (F,W,S,SS)**  
This experience is designed to provide each student with those teaching skills necessary for the development and implementation of programs concerning aesthetics. Three hours per week of laboratory and field work required. Prerequisite: Open to students who have taken, or are currently enrolled in EDU 311.

**EEL 307 – HEALTH AND PHYSICAL EDUCATION FOR CHILDREN (5) (F,W,S,SS)**  
This experience is designed to provide each student with those teaching skills necessary for the development and implementation of programs concerning use of leisure time and maintenance of personal health and family life. Three hours per week of laboratory and field work required. Prerequisite: Open to students who have taken, or are currently enrolled in EDU 311.

**EEL 401 – COMMUNICATION SKILLS I (5) (F,W,S,SS)**  
This instructional skills laboratory is designed to develop and refine those teaching competencies which allow the student to perform effectively as a teacher of reading. Three hours of laboratory and field work required. Prerequisite: EDU 312.

- EEL 402 – COMMUNICATION SKILLS II (5) (F,W,S,SS)**  
 This instructional skills laboratory is designed to develop and refine those teaching competencies which allow the student to perform effectively as a teacher of children using language arts activities to enhance communications skills. Three hours of laboratory and field work required. Prerequisite: EEL 401.
- EEL 405 – SPECIAL TEACHING LABORATORY:  
 ART IN GRADES K-6 (5) (F,S)**  
 Development of instructional skills, techniques, and strategies for teaching art in the elementary and middle schools. Prerequisites: EDU 305, EDU 311, and EDU 312.
- EEL 411 – DEVELOPMENT OF ATTITUDES AND SKILL  
 FOR INQUIRY II (5) (F,W,S,SS)**  
 This instructional skills laboratory is designed to develop and refine those teaching competencies which allow the student to perform effectively as a teacher of children using social studies as a mode of inquiry. Three hours of laboratory and field work required. Prerequisite: EDU 312.
- EEL 412 – DEVELOPMENT OF ATTITUDES AND SKILLS  
 FOR INQUIRY I (5) (F,W,S,SS)**  
 This instructional skills laboratory is designed to develop and refine those teaching competencies which allow the student to perform effectively as a teacher of children using science and mathematics as a mode of inquiry. Three hours of laboratory and field work required. Prerequisite: EEL 411.
- EEL 425 – STUDENT TEACHING (15) (F,W,S)**  
 A field experience in an elementary school where the student serves as a teacher associate, demonstrating competencies acquired throughout the program. Prerequisite: EEL 402, EEL 412.
- ECE 501 – EARLY CHILDHOOD EDUCATION PROGRAMS (5) (F,S)**  
 Philosophy and theories of early childhood education; physical, emotional, social and mental development. Observation and participation are required.
- ECE 502 – CURRICULUM AND INSTRUCTION  
 IN EARLY CHILDHOOD EDUCATION (5) (W,S)**  
 Practical considerations of basic principles, experiments, research and trends related to early childhood education; materials and techniques of teaching and working with parents. Observation and participation are required.
- ECE 595 – INDIVIDUAL STUDY IN EARLY  
 CHILDHOOD EDUCATION (1-5) (F,W,S,SS)**  
 Individual investigation in the area of instruction.

- ECE 606 – EDUCATION PROGRAMS FOR YOUNGER CHILDREN (4) (W)**  
 Basic philosophical, sociological and psychological considerations undergirding modern early childhood curriculum development. Research basis for contemporary curriculum trends.
- ECE 607 – INSTRUCTION IN SOCIAL LEARNING (4) (F)**  
 Refinement of skills related to program development, methods of teaching, selection of materials and review of research.
- ECE 608 – INSTRUCTION IN READING (4) (W)**  
 Refinement of skills related to program development, methods of teaching, selection of materials and review of research.
- ECE 609 – INSTRUCTION IN LANGUAGE ARTS (4) (S)**  
 Refinement of skills related to program development, methods of teaching, selection of materials and review of research.
- ECE 615 – INSTRUCTION IN MATHEMATICS (4) (F)**  
 Refinement of skills related to program development, methods of teaching, selection of materials and review of research.
- ECE 616 – INSTRUCTION IN SCIENCE (4) (W)**  
 Refinement of skills related to program development, methods of teaching, selection of materials and review of research.
- ECE 617 – INSTRUCTION IN MUSIC (4) (S)**  
 Refinement of skills related to program development, methods of teaching, selection of materials and review of research.
- ECE 618 – INSTRUCTION IN ART (4) (F)**  
 Refinement of skills related to program development, methods of teaching, selection of materials and review of research.
- ECE 619 – INSTRUCTION IN HEALTH AND PHYSICAL EDUCATION (4) (W)**  
 Refinement of skills related to program development, methods of teaching, selection of materials and review of research.
- ECE 695 – SUPERVISED FIELD EXPERIENCE IN EARLY CHILDHOOD EDUCATION (W,S)**  
 Field work in educational institutions and organizations.
- ECE 696 – SEMINAR IN EARLY CHILDHOOD EDUCATION (3) (W)**  
 Advanced study of critical issues and problems in early childhood education.
- ECE 697 – WORKSHOP IN EARLY CHILDHOOD EDUCATION (3-5)**  
 An opportunity for teachers to continue to develop competency in a specified area under the guidance of a specialist in selected fields.

- EEL 501 – DIAGNOSIS OF READING DIFFICULTY (5) (F,W,S,SS)**  
Technique for analyzing and clarifying reading difficulties.
- EEL 502 – PROGRAMS OF REMEDIATION IN READING (5) (W,SS)**  
A course demonstrating corrective and remedial procedures; application of specific psychological, pedagogical, and psychotherapeutic techniques.
- EEL 503 – ANALYSIS AND PRODUCTION OF READING MATERIALS (5) (S)**  
Exploration, creation and evaluation of basic reading materials; commercial and non-commercial.
- EEL 505 – ALTERNATIVE FORMS OF SCHOOLING (5) (S)**  
Rationale, analysis, and evaluation of school forms designed to exist outside of the formal educational establishment.
- EEL 595 – INDIVIDUAL STUDY IN ELEMENTARY EDUCATION (1-5) (F,W,S,SS)**  
Individual investigation in the area of instruction.
- EEL 605 – CURRICULUM DESIGN FOR CHILDHOOD EDUCATION (4) (F)**  
A study of curriculum theory, construction and evaluation.
- EEL 606 – EDUCATIONAL PROGRAMS FOR OLDER CHILDREN (4) (W)**  
Basic philosophical, sociological and psychological considerations undergirding modern elementary school curriculum development. Research basis for contemporary curriculum trends.
- EEL 607 – INSTRUCTION IN SOCIAL LEARNING (4) (F)**  
Refinement of skills related to program development, methods of teaching, selection of materials and review of research.
- EEL 608 – INSTRUCTION IN LANGUAGE ARTS (4) (S)**  
Refinement of skills related to program development, methods of teaching, selection of materials and review of research.
- EEL 609 – INSTRUCTION IN READING (4) (W)**  
Refinement of skills related to program development, methods of teaching, selection of materials and review of research.
- EEL 615 – INSTRUCTION IN MATHEMATICS (4) (S)**  
Refinement of skills related to program development, methods of teaching, selection of materials and review of research.
- EEL 616 – INSTRUCTION IN SCIENCE (4) (W)**  
Refinement of skills related to program development, methods of teaching, selection of materials and review of research.

- EEL 617 – INSTRUCTION IN MUSIC (4) (F)**  
Refinement of skills related to program development, methods of teaching, selection of materials and review of research.
- EEL 618 – INSTRUCTION IN ART (4) (F)**  
Refinement of skills related to program development, methods of teaching, selection of materials and review of research.
- EEL 619 – INSTRUCTION IN HEALTH AND PHYSICAL EDUCATION (4) (W)**  
Refinement of skills related to program development, methods of teaching, selection of materials and review of research.
- EEL 625 – RESEARCH IN READING (3) (F)**  
A course to study significant research in reading; research methodology; planning and research in reading.
- EEL 626 – PRACTICUM IN READING (4) (W)**  
An analysis of reading difficulties through various teaching techniques and programs.
- EEL 628 – ORGANIZATION AND SUPERVISION OF READING PROGRAM (3) (F)**  
The organization and supervision of reading programs; problems of organization and supervision; continuity of school wide programs; emphasis on leadership responsibilities.
- EEL 629 – CLINICAL PROCEDURES IN READING (4) (W)**  
Supervised experience, resulting in diagnosis, prescription and evaluation of particular children in a clinical setting.
- EEL 695 – SUPERVISED FIELD EXPERIENCE IN ELEMENTARY EDUCATION (5-15)**  
Field work in educational institutions and organizations.
- EEL 696 – SEMINAR IN ELEMENTARY EDUCATION (3) (W)**  
Advanced study of critical issues and programs in later childhood education.
- EEL 697 – WORKSHOP IN ELEMENTARY EDUCATION (3-5)**  
An opportunity for teachers to continue to develop competency in a specified area under the guidance of a specialist in selected fields.

## SECONDARY EDUCATION

- EDS 405 – SPECIAL TEACHING LABORATORY: ENGLISH (5) (F,W)**  
Development of instructional skills, techniques, and strategies for teaching English in the junior and senior high school. Prerequisites: EDU 305, EDU 311, and EDU 312.

- EDS 407 – SPECIAL TEACHING LABORATORY: MODERN LANGUAGES (5) (F)**  
 Development of instructional skills, techniques, and strategies for teaching modern languages in the junior and high school. Prerequisites: EDU 305, EDU 311, and EDU 312.
- EDS 408 – SPECIAL TEACHING LABORATORY: SCIENCE (5) (F)**  
 Development of instructional skills, techniques, and strategies for teaching biological and physical sciences in the junior and senior high schools. Prerequisites: EDU 305, EDU 311, and EDU 312.
- EDS 409 – SPECIAL TEACHING LABORATORY: SOCIAL STUDIES (5) (F,W)**  
 Development of instructional skills, techniques, and strategies for teaching social studies in the junior and senior high school. Prerequisites: EDU 305, EDU 311, and EDU 312.
- EDS 415 – SPECIAL TEACHING LABORATORY: SPEECH/DRAMA (5) (F)**  
 Development of instructional skills, techniques, and strategies for teaching speech and drama, and producing plays in the junior and senior high school. Prerequisites: EDU 305, EDU 311, and EDU 312.
- EDS 416 – SPECIAL TEACHING LABORATORY: ART IN GRADES 7-12 (5) (W)**  
 Development of instructional skills, techniques and strategies for teaching art in the junior and senior high school. Prerequisites: EDU 305, EDU 311, and EDU 312.
- EDS 425 – STUDENT TEACHING (15) (F,W,S)**  
 Supervised teaching in a junior or senior high school. Prerequisites: EDU 305, EDU 311, EDU 312, the appropriate Special Teaching Laboratory, and two-thirds of the course work required in the student's teaching field.
- EDS 595 – INDIVIDUAL STUDY (1-5) (F,W,S,SS)**  
 The student plans and carries out an independent study project under direction. Prerequisites: Consent of chairman of the division.
- EDS 605 – TEACHING ART IN THE SECONDARY SCHOOL (4) (W)**  
 Analysis of methods, programs, and materials for teaching art in the junior and senior high school and development of teaching skills.
- EDS 606 – TEACHING READING IN THE SECONDARY SCHOOL (4)**  
 Development of skills necessary to identify reading problems in the classroom. Emphasis on how to use reading inventories and diagnostic tests as well as material and techniques for teaching

reading skills and assisting students to overcome reading deficiencies. Special attention to reading problems of students in the specific subject areas. For students who are not majoring in reading.

**EDS 607 – TEACHING LITERATURE IN THE  
SECONDARY SCHOOL (4)**

Exploration of the nature of literature and the literary experience including an examination of several critical approaches to reading literature. Acquisition of skills and techniques to help students. Special emphasis on current adolescent literature and the development of literature units to meet special needs of students.

**EDS 608 – COMMUNICATION THROUGH NON-PRINT MEDIA (4)**

Development of a rationale for teaching non-print media both as supportive of the literature and language programs and as art forms with unique modes of expression. Acquisition of technical skills needed to integrate non-print media into classroom instruction. Special emphasis on creating individual projects.

**EDS 609 – TEACHING MATHEMATICS IN THE  
SECONDARY SCHOOL (4)**

(W)

Analysis of methods, programs, and materials for teaching mathematics in the junior and senior high school and development of teaching skills.

**EDS 615 – TEACHING MODERN LANGUAGES IN THE  
SECONDARY SCHOOL (4)**

(W)

Analysis of methods, programs, and materials for teaching modern languages in the junior and senior high school and development of teaching skills.

**EDS 616 – SEMINAR IN MATHEMATICS EDUCATION (4)**

(S)

Designed to provide the advanced student with deeper understanding of the current state of Mathematics Education. Major emphasis on current trends and curriculum projects on the national and international levels, as well as evaluation and research related to these trends.

**EDS 617 – TEACHING BIOLOGICAL SCIENCES IN THE  
SECONDARY SCHOOL (4)**

(S)

Analysis of methods, programs and materials for teaching the biological sciences in the junior and senior high school and development of teaching skills.

**EDS 618 – TEACHING PHYSICAL SCIENCES IN THE  
SECONDARY SCHOOL**

Analysis of methods, programs, and materials for teaching the physical sciences in the junior and senior high school and development of teaching skills.

- EDS 619 – TEACHING SOCIAL STUDIES IN THE  
SECONDARY SCHOOL (4) (W)**  
Analysis of methods, programs, and materials for teaching social studies in the junior and senior high school and development of teaching skills.
- EDS 625 – SECONDARY SCHOOL CURRICULUM (4) (S)**  
Examination of programs, trends, and developments in curriculum and instruction in the secondary school. Consideration and evaluation of innovations.
- EDS 626 – TEACHING MODERN GRAMMAR AND USAGE IN THE  
SECONDARY SCHOOL (4) (W)**  
Development of a rationale for teaching grammar. Acquisition of linguistic skills needed for the study of language. Emphasis on the examination of several grammars and the problems of teaching them in the English classroom. Special attention to usage and the larger problem of dialectology as it relates to written and oral English. Prerequisite: At least one course in Linguistics or consent of instructor.
- EDS 627 – TEACHING COMPOSITION IN THE  
SECONDARY SCHOOL (4) (S)**  
Examination of several rhetorics in order to develop theories of composition. Acquisition of skills necessary to identify writing problems, to prepare prewriting activities, and to evaluate written composition. Special emphasis on developing a systematic approach to teaching composition.
- EDS 628 – RESEARCH IN SECONDARY EDUCATION (4)**  
Examination and evaluation of research studies in secondary education. Prerequisite: At least one course in research methods or equivalent competency. Determination of equivalent competency will be made by the instructor.
- EDS 629 – SEMINAR IN SOCIAL STUDIES EDUCATION (4) (S)**  
Designed for advanced students, the readings and discussions will focus on policy issues and recent research in social studies education. Though primarily for experienced social studies teachers and supervisors, the course is open to administrators and others with the consent of the instructor.
- EDS 695 – SUPERVISED FIELD EXPERIENCE (5-15)**  
Field work in an educational institution or organization. Prerequisite: Consent of chairman of the division.
- EDS 696 – SEMINAR IN SECONDARY EDUCATION (3)**  
Analysis of selected problems in secondary education.
- EDS 697 – WORKSHOP IN SECONDARY EDUCATION (3-5)**  
Study of specific problems in secondary education. Prerequisite: Consent of instructor.



- CUR 605 – SEMINAR IN ART EDUCATION: CONTEMPORARY ISSUES AND RESEARCH (4) (S)**  
 Examination of new programs, and developments in curriculum and instruction in art education, K-12. Evaluation of innovations and review of research.
- CUR 606 – METHODOLOGY OF MUSIC TEACHING (4) (W)**  
 Analysis of methods, programs and materials for teaching music in the public schools, and development of teaching skills.
- CUR 607 – SEMINAR IN MUSIC EDUCATION (4) (S)**  
 Seminar on music programs in the United States and foreign countries, and current issues and problems facing the music teacher, supervisor and administrator.

### **Division of Special Education and Pupil Services**

Programs sponsored by the Division of Special Education and Pupil Services are an alliance between those subspecialties in education whose major role is to help individuals experiencing academic or social adjustment problems in the schools. Competency domains are specified for teachers of exceptional children, for consultant or diagnostic teachers, for counselors and school psychologists. The context of the programs is one of preparing students for practice in the urban environment. Students are helped to integrate theory and research from the social and behavioral sciences and to develop the capability for identification with people of diverse cultural, ethnic and racial heritage, and the behavioral style of these peoples.

### **TEACHERS OF EXCEPTIONAL CHILDREN**

#### **Lower Division Preparation**

The emphasis in this program is placed on diagnosing learning and behavior problems, and prescribing and implementing an appropriate curriculum for exceptional children and youth. Trainees are prepared to conduct total classroom experiences for exceptional children, and, in addition, to reintegrate into the mainstream of education those students who are able to function full or part-time in the regular classroom. Programs have been planned to meet the requirements of the Florida State Department of Education for Rank 3 certification in each of the following areas of specialization: Mental Retardation, Emotional Disturbance, and Specific Learning Disabilities.

As part of the 90 quarter hours (60 semester hours) of lower division coursework necessary to enter this upper division major, the following recommendations and/or requirements should be noted:

**Required Courses:** None

**Recommended Courses:** (a) One course in psychology dealing with dynamics of behavior, one course in cultural anthropology and one course in

introductory sociology. (b) Equivalents of the courses listed below in the "Foundations of Education" (section 1) are offered in the Community College, and students are urged to take them before entering Florida International. If not, 10 quarter hours of foundations (section 1) will be needed to meet this requirement. The State of Florida requires one course in psychological foundations and one in social foundations for teacher certification.

### Florida International University Program of Studies

<b>1. FOUNDATIONS OF EDUCATION</b>			<b>CREDITS</b>
PSYCHOLOGY	306	– HUMAN GROWTH AND DEVELOPMENT	5
	or		
PSYCHOLOGY	305	– INTRODUCTION TO EDUCATIONAL PSYCHOLOGY	5
	and		
SOCIOLOGY	343	– SCHOOL AND SOCIETY	5
<b>2. PROFESSIONAL EDUCATION</b>			<b>CREDITS</b>
EDU	305	– SCHOOLING IN AMERICA K-14	5
EDU	311	– GENERAL TEACHING LABORATORY I	5
EDU	312	– GENERAL TEACHING LABORATORY II	5
EEC	306	– PSYCHO-EDUCATIONAL PROBLEMS OF EXCEPTIONAL CHILDREN	5
EEC	309	– INTRODUCTION TO LANGUAGE DEVELOPMENT AND COMMUNICATION DISORDERS	5
EEC	307	– ACADEMIC SKILLS FOR EXCEPTIONAL CHILDREN I	5
EEC	308	– ACADEMIC SKILLS FOR EXCEPTIONAL CHILDREN II	5
EEC	405	– CRITICAL ISSUES IN SPECIAL PRODUCTION	5
EEC	425	– STUDENT TEACHING	10
EEC	505	– EDUCATIONAL PLANNING FOR THE MENTALLY RETARDED	5
	or		
EEC	506	– EDUCATIONAL PLANNING FOR CHILDREN WITH LEARNING DISABILITIES	5
	or		
EEC	507	– EDUCATIONAL PLANNING FOR CHILDREN WITH BEHAVIOR DISORDERS	5
EEC	511	– BEHAVIORAL APPROACHES TO CLASSROOM LEARNING I	5
EEC	512	– BEHAVIORAL APPROACHES TO CLASSROOM LEARNING II	5
EEC	508	– FOUNDATIONS OF EXCEPTIONALITY	5
<b>3. ELECTIVES</b>			<b>20</b>

## GRADUATE PROGRAMS IN SPECIAL EDUCATION AND PUPIL SERVICES

The Division of Special Education and Pupil Services prepares Master's level resource and consulting personnel whose major function is to help students who are experiencing academic or social adjustment problems in the schools. Problem-solving competencies are stressed in the assessment of academic and social behaviors, educational programming, individual and group behavior change strategies, compensatory education and general child advocacy.

Graduate programs of study are available in the following areas:

1. **Diagnostic Teaching.** The major competencies of the Master's level diagnostic teacher are an extension of those developed by the student in the undergraduate special education curriculum: a) Assessment of learning styles through observation and on-going monitoring techniques; b) application of behavioral approaches to the building, monitoring and remediation of classroom behavior; c) communication of information concerning children to others within the school and to parents; d) behavioral change monitoring; e) curriculum planning and innovations; f) skills in teacher and parent consultation; g) supervision of special education units.

The program of study is 45-60 hours, depending upon the student's background. Areas of specialization include: Intellectual Differences, Behavior Disorders, and Learning Disabilities.

The program leads to Rank 2 certification in the State of Florida in either Mental Retardation, Emotional Disturbance or Specific Learning Disabilities.

2. **Counselor Education.** The program in counselor education requires 90 hours of credit and six (6) quarters of graduate study. The first three quarters are largely generic in nature and lead to the development of competencies in individual and group counseling; other social and behavioral change techniques; consultation; program organization and evaluation, and coordination of school and community-centered interventions. Training patterns are more differentiated during the last three quarters and lead to specialization in the following areas: a) Counseling in the elementary schools; b) counseling at the secondary school level; c) counseling in higher education; and d) vocational counseling.

The program qualifies students for certification in "Guidance" in the State of Florida and meets the standards for preparation of counselors recommended by the American Personnel and Guidance Association.

3. **School Psychology.** This is a 90-hour program, involving six quarters of graduate study. In general, the competencies to be demonstrated by the student completing this program are derived from the following concept of

role behaviors for the school psychologist: Behavioral/educational assessment and planning; counseling and child-centered consultation with teachers, parents and agency representatives; staffing, liaison, referral and case management; program development and evaluation; inservice education, and administrative consultation and community development.

The training program in School Psychology is consistent with the current recommendations of the American Psychological Association and the guidelines of the National Association of School Psychologists. It also meets the standards of the State of Florida for certification as "Specialist in School Psychology."

For detailed information regarding each of the graduate programs of study, write to the Chairman, Division of Special Education and Pupil Services, School of Education, Florida International University, Miami, 33144.

## **SPECIAL EDUCATION**

### **EEC 306 – PSYCHO-EDUCATIONAL PROBLEMS OF EXCEPTIONAL CHILDREN (5) (F,SS)**

Introduction to the learning and adjustment problems of exceptional children. Topics covered include traditional categorical definitions of exceptional children, etiology, general learning and behavioral characteristics, instructional goals and curriculum plans for the full range of exceptionalities. Field experiences included.

### **EEC 307 – ACADEMIC SKILLS FOR EXCEPTIONAL CHILDREN I (5) (F,W,S,SS)**

Seminar and laboratory experiences designed to develop skills in diagnostic reading and mathematics for use with exceptional children. Development of concepts and skills in classroom assessment and diagnostic procedures as well as remedial planning.

### **EEC 308 – ACADEMIC SKILLS FOR EXCEPTIONAL CHILDREN II (5) (F,W,S,SS)**

Advanced seminar and laboratory in diagnostic and remedial reading and mathematics with exceptional children and youth.

### **EEC 309 – INTRODUCTION TO LANGUAGE DEVELOPMENT AND COMMUNICATION DISORDERS (5) (F,W,SS)**

An introductory experience in language development and communication disorders for the classroom teacher. Experience in the assessment of and programming for language development in the classroom setting.

### **EEC 405 – CRITICAL ISSUES IN SPECIAL EDUCATION (5) (F,W,S,SS)**

Historical developments, current and emerging issues in the education of exceptional children. A seminar, concurrent with student teaching, designed to help students integrate research findings and other information with their field experiences.

- EEC 425 – STUDENT TEACHING (10)** (F,W,S,SS)  
Supervised field experience in teaching exceptional children.
- EEC 505 – EDUCATIONAL PLANNING FOR THE MENTALLY RETARDED (5)** (F,W,SS)  
Seminar and supervised laboratory experiences for the teacher of the mentally retarded child, designed to develop skills in the assessment of learning potential, general curriculum development and educational planning, special instructional techniques and total life planning.
- EEC 506 – EDUCATIONAL PLANNING FOR CHILDREN WITH LEARNING DISABILITIES (5)** (F,W,SS)  
Seminar and supervised laboratory experience designed to develop concepts and skills in the assessment of children with learning disabilities, curriculum development and educational planning, special instructional techniques, and total life planning.
- EEC 507 – EDUCATIONAL PLANNING FOR CHILDREN WITH BEHAVIOR DISORDERS (5)** (F,W,SS)  
Seminar and laboratory experience designed to develop concepts and skills in the assessment of the emotionally or socially disturbed child, curriculum development and educational planning, special instructional techniques, and total life planning.
- EEC 508 – FOUNDATIONS OF EXCEPTIONALITY (5)** (S,SS)  
A survey of the biological, psychological and social foundations of handicapping conditions as they apply to classroom behaviors. Pathology of mental retardation, behavior disorders and specific learning disability, an introduction to biological research, total therapeutic planning, and the implication of these areas for the teacher.
- EEC 511 – BEHAVIORAL APPROACHES TO CLASSROOM LEARNING I (5)** (F,W,S,SS)  
Seminar and laboratory experiences designed to develop concepts and skills for building and modifying the social and academic behavior of exceptional children. Topics covered include precision teaching methodology, behavior modification techniques for classroom use, and the functional analysis of behavior as it relates to education and classroom learning.
- EEC 512 – BEHAVIORAL APPROACHES TO CLASSROOM LEARNING II (5)** (F,W,S,SS)  
Seminar and laboratory experiences designed to develop concepts and skills necessary for the management and maintenance of classroom behavior. Topics to be covered include an extension of precision teaching methodology, knowledge of classroom management procedures including the socially engineered classroom, token economy systems, group and individual contingency management and contracting, interviewing and conferencing skills with parents.

- EEC 595 – INDIVIDUAL STUDY IN SPECIAL EDUCATION (5-10) (By Arrangement)**  
 Individual conference course on topics of special interest to students, providing directed reading, discussion and research possibilities.
- EEC 605 – ORGANIZATION AND ADMINISTRATION OF SPECIAL EDUCATION PROGRAMS (5) (F)**  
 Development of concepts and skills in organizing and administering service programs in special education; philosophical and theoretical bases for role and service models; ethical and legal issues; evaluative criteria and procedures.
- EEC 606 – CREATIVE PROBLEM-SOLVING IN SPECIAL EDUCATION (5) (W)**  
 Development of research and problem-solving skills in the student's field of specialization. Students select and systematically solve a problem in their area of study and communicate the problem and its solution using at least two media.
- EEC 607 – CURRICULUM DEVELOPMENT IN SPECIAL EDUCATION (5) (S)**  
 Topics relevant to the conceptualization and development of curricula for exceptional children. Modules allow students to pursue special areas of interest. Field experiences included.
- EEC 608 – EXCEPTIONAL CHILDREN AND YOUTH (5) (F,SS)**  
 Learning and adjustment problems of the exceptional, including classification, etiology, general social and learning characteristics, and instructional goals, curriculum and interventions. Field experience and graduate project required.
- EEC 609 – DIAGNOSTIC TEACHING (5) (F,SS)**  
 Seminar and laboratory experiences for school psychologists, counselors, and practicing teachers to develop skills in using observational (non-standardized) techniques in the diagnosis of academic behaviors, remedial planning and individualizing the curriculum for exceptional children and youth.
- EEC 695 – SUPERVISED FIELD EXPERIENCE IN SPECIAL EDUCATION (5-15) (F,W,S,SS)**  
 Internship placements in a variety of field settings depending on the student's needs and interests, with attention to collaboration between students in different areas of specialization. Joint university and field supervision provided through individual conferences and continuing seminars.
- EEC 696 – SEMINARS IN SPECIAL EDUCATION (5-15) (F,W,S,SS)**  
 Special topics related to the education of exceptional children.  
 .01 Topics in Mental Retardation  
 .02 Topics in Learning Disabilities  
 .03 Topics in Behavior Disorders

## PUPIL SERVICES

**PPS 505 – PROFESSIONAL PROBLEMS IN SPECIAL  
EDUCATION AND PUPIL PERSONNEL  
SERVICES (2, repeatable to 6) (F,W,S,SS)**

Introduction to professional problems in counseling, school psychology, special education and communication disorders, including the historical development of the professions, current legal and ethical issues, and consideration of role and function. Field experiences included.

**PPS 506 – INTRODUCTION TO COUNSELING (5) (W,SS)**

Development of theoretical concepts for counseling and the counseling relationship. Emphasis on constructing and comparing different theoretical approaches. Laboratory experiences included to develop beginning skills in counseling.

**PPS 507 – HUMAN INTERACTION I: PERSONAL GROWTH  
LABORATORY (3) (W,SS)**

Experience designed to increase self-understanding and self-awareness of social impact, to increase sensitivity to the feelings and attitudes of others, to improve interpersonal communication and increase understanding of the change-learning process. Study and analysis of class group participation as well as other functional social groups. Experiential learning through small group participation and observation. Laboratory experiences included.

**PPS 508 – EDUCATIONAL AND VOCATIONAL GUIDANCE (5) (S,SS)**

Development of concepts and skills for assisting individuals in making choices about education, vocations and careers. Supervised experience in counseling, making job analyses, reviewing systems for classifying materials, studying occupational information programs and critically analyzing occupational materials from commercial publishers and professional organizations.

**PPS 601 – BEHAVIORAL COUNSELING AND CONSULTATION I (5) (F,SS)**

Introduction to behavioral counseling and consultation. Content to focus on rationale, basic principles and practical applications of behavioral approaches. Laboratory experiences in individual and group counseling and consultation included. Prerequisite: EEC 511 or equivalent.

**PPS 602 – BEHAVIORAL COUNSELING AND CONSULTATION II (5) (W)**

Continuation of PPS 601 with greater emphasis on consultation with parents and school personnel, group behavior modification strategies in the school setting, and parent education and counseling. Laboratory and field experiences in counseling and consultation included. Prerequisite: PPS 601 or equivalent.

**PPS 611 – HUMAN INTERACTION II: INTERPERSONAL CHANGE AND GROUP PROCESS LABORATORY (5) (S,SS)**

Theories of small group development, growth and change. Development of action skills in diagnosis and intervention in small groups. Understanding of communication levels and processes, group problem-solving, leadership and authority and consequences of inter-group competition and group skills. Supervised laboratory experiences to develop leadership skills with student peer groups and groups of children and adolescents. Special emphasis is given to problems of inter-cultural and inter-racial conflict.

**PPS 612 – HUMAN INTERACTION III: ORGANIZATIONAL CONSULTATION (5) (F)**

Theories and approaches to organizational development and change, with a particular focus on the public schools. Laboratory supervision on systematic consultation and action skills, including methods of assessment (survey feedback, milling, confrontation meetings, systems analysis), agenda setting, feedbacks, coaching, third-party consultation for conflict management, and team training.

**PPS 621 – ASSESSMENT OF BEHAVIOR I: SENSORY-MOTOR- PERCEPTUAL-LANGUAGE (5) (F,SS)**

Introduction to the problems of assessing the learning and social problems of exceptional children, including knowledge of general measurement and test theory, theory and use of standardized tests. The emphasis is upon study of functional disorders in language, perception and sensory-motor skills and the effect of these deficits on learning. Laboratory experience included.

**PPS 622 – ASSESSMENT OF BEHAVIOR II: INTELLECTUAL (5) (W,SS)**

Problems in the assessment of mental retardation, giftedness and creativity. Laboratory supervision will develop concepts and skills with the traditional standardized intelligence tests and measures of social adaptability. In addition, trainees will develop skills with alternate means of assessment through observation, interviewing, the use of criterion-referenced instruments, report writing and teacher consultation.

**PPS 625 – ORGANIZATION, ADMINISTRATION AND SUPERVISION OF PUPIL PERSONNEL SERVICES (5) (S)**

Development of concepts and skills in organizing, administering and supervising service programs in counseling, school psychology, and other areas of pupil personnel. Philosophical and theoretical bases for role and service models; ethical and legal issues; evaluative criteria and procedures.

**PPS 626 – RESEARCH IN PUPIL PERSONNEL SERVICES (1-5) (F,W,S)**

Development of research or evaluation skills in student's field of specialization.



**PPS 627 – CAREER DEVELOPMENT THEORY AND ASSESSMENT (5) (W)**  
Study of major vocational choice theories and decision-making processes. Knowledge and experience with assessment techniques in career development. Field experiences included.

**PPS 628 – ADVANCED PRACTICA IN PUPIL PERSONNEL SERVICES (5, repeatable to 15) (W,S,SS)**  
.01 Group Process  
.02 Behavioral Counseling and Consultation  
.03 Vocational Counseling  
.04 Psycho-Education Assessment and Consultation

**PPS 695 – SUPERVISED FIELD EXPERIENCE IN PUPIL PERSONNEL SERVICES (5-10) (By Arrangement)**  
Internship placements in counseling, school psychology and other pupil personnel areas according to student's needs and interests, with attention to collaboration between students in different areas of specialization. Joint university and field supervision provided through individual conferences and continuing seminars.

**PPS 696 – SEMINARS IN PUPIL PERSONNEL SERVICES (5, repeatable to 15) (F,W,S,SS)**  
Special topics in relation to pupil personnel services, including critical review of problems in relation to assessment, group process, counseling in the elementary and secondary schools and in higher education, vocational counseling and other areas. Prerequisite: Consent of the Instructor.

**PPS 698 – INDIVIDUAL STUDY IN PUPIL PERSONNEL SERVICES (5-10) (By Arrangement)**  
Individual conference course on topics of special interest to students, providing directed reading, discussion and research possibilities.

## **DIVISION OF VOCATIONAL AND TECHNICAL EDUCATION**

### **Undergraduate Programs**

The Division offers undergraduate study in four areas, e.g.: Home Economics Education\*, Industrial Arts Education, Vocational Industrial Education, and Technical Education. Qualified students who enter and complete programs in vocational teaching, and other specialties are entering an expanding, rapidly developing field for their professional careers, and hence should have considerable choice of employment at the time of graduation.

Students in the community colleges who are completing the A.A. or A.S. degree are prime candidates for further work toward the Bachelor's degree at Florida International University in vocational education. Those who have completed community college programs (or other lower division equivalents) in

areas such as Construction, Manufacturing, Graphic Arts, Textiles, Fashion Design, Home Economics, Air Conditioning and Refrigeration, or Drafting are especially encouraged to file an application for admission to an appropriate program.

\*Generalized program of study now being planned.

## TEACHERS OF INDUSTRIAL ARTS EDUCATION

### Lower Division Preparation:

As part of the 90 quarter hours (60 semester hours) of lower division coursework necessary to enter this upper division major, the following recommendations and/or requirements should be noted:

**Required Courses:** None

**Recommended Courses:** (a) It is highly recommended that coursework be considered in the areas of Drafting, Construction, Manufacturing, Power and Transportation, Woods, Metals, Graphics, Plastics, Physics, Chemistry, Psychology, Mathematics and Speech. (b) Equivalents of the courses listed below in the "Foundations of Education" (section 1) are offered in the Community College, and students are urged to take them before entering Florida International. If not, 10 quarter hours of foundations (section 1) will be needed to meet this requirement. The State of Florida requires one course in psychological foundations and one in social foundations for teacher certification.

### Florida International Program of Studies:

			CREDITS
<b>1. Foundations of Education</b>			
PSYCHOLOGY	307	— HUMAN GROWTH AND DEVELOPMENT	5
	or		
PSYCHOLOGY	305	— INTRODUCTORY EDUCATIONAL PSYCHOLOGY	5
SOCIOLOGY	343	— SCHOOL AND SOCIETY	5
<b>2. Professional Education</b>			
EDU	305	— SCHOOLING IN AMERICA	5
EDU	311	— GENERAL TEACHING LAB I	5
EDU	312	— GENERAL TEACHING LAB II	5
EVO	406	— SPECIAL TEACHING LAB	5
EVO	306	— COURSE PLANNING IN VOCATIONAL EDUCATION	5
EVO	504	— INSTRUCTIONAL MEDIA FOR VOCATIONAL TEACHING	5
EVO	425	— STUDENT TEACHING	15

### 3. Industrial Arts Technical Preparation

#### A. Required

EIA	305	— CONSTRUCTION TECHNOLOGY	5
EIA	306	— MANUFACTURING TECHNOLOGY	5
EIA	307	— REPROGRAPHICS	5
EIA	406	— INDUSTRIAL RESEARCH & DEVELOPMENT	5
EIA	417	— MECHANICAL POWER SYSTEMS	5
EIA	419	— MATERIALS PROCESSING	5

#### B. Students are required to complete at least three (3) courses, selected from among the following:

EIA	407	— PLANOGRAPHIC PROCESSES	5
EIA	408	— PHOTOGRAPHICS	5
EIA	409	— MATERIALS OF INDUSTRY	5
EIA	415	— DRAFTING COMMUNICATIONS	5
EIA	416	— TECHNICAL DRAFTING	5
EIA	418	— ELECTRICAL/ELECTRONIC SYSTEMS	5
EIA	426	— FABRICATION AND PRODUCTION	5

### 4. Electives

## TEACHERS OF VOCATIONAL INDUSTRIAL EDUCATION

### Lower Division Preparation:

As a part of the 90 quarter hours (60 semester hours) of lower division coursework necessary to enter this upper division major, note the following recommendations and/or requirements:

**Required Courses:** None

**Recommended Courses:** (a) Technical preparation in the student's intended area of teaching (**example:** Machinist, e.g.: Manufacturing Processes, Machine Design, Machine Shop Practices.)

(b) Equivalents of the courses listed below in the "Foundations of Education" (section 1) are offered in the Junior College and students are urged to take them before entering Florida International. If not, 10 quarter hours of foundations (section 1) will be needed to meet this requirement. The State of Florida requires one course in psychological foundations and one course in social foundations for teacher certification.

### Florida International University Program of Study:

<b>1. Foundations of Education</b>			<b>CREDITS</b>
PSYCHOLOGY 307	— HUMAN GROWTH AND DEVELOPMENT		5
or			
PSYCHOLOGY 305	— INTRODUCTORY EDUCATIONAL PSYCHOLOGY		5
SOCIOLOGY 343	— SCHOOL AND SOCIETY		5

## 2. Professional Education

EDU	305	– SCHOOLING IN AMERICA: K-14	5
EEC	511	– BEHAVIORAL APPROACHES TO CLASSROOM LEARNING I	5
EVO	305	– FOUNDATIONS OF VOCATIONAL EDUCATION	5
EDU	311	– GENERAL TEACHING LAB I	5
EDU	312	– GENERAL TEACHING LAB II	5
EVO	306	– COURSE PLANNING IN VOCATIONAL EDUCATION	5
EVO	308	– VOCATIONAL AND TECHNICAL EDUCATION LABORATORY MANAGEMENT AND SAFETY	5
EVO	407*	– SUPERVISED OCCUPATIONAL EXPERIENCE	5-15
EVO	406	– SPECIAL TEACHING LAB	5
EVO	504	– INSTRUCTIONAL MEDIA FOR VOCATIONAL TEACHING	5
EVO	425	– STUDENT TEACHING	15

## 3. Advised Electives

MATHEMATICS, CHEMISTRY OR PHYSICS	15
SOCIOLOGY OR PSYCHOLOGY	
TECHNICAL AREA	

\*For students who lack acceptable occupational experience in the area to be taught.

## TEACHERS OF TECHNICAL EDUCATION

### Lower Division Preparation:

As a part of the 90 quarter hours (60 semester hours) of lower division coursework necessary to enter this upper division major, the following recommendations and/or requirements should be noted:

**Required Courses:** None

**Recommended Courses:** (a) Technical preparation in the student's intended area of teaching (example: Electronic Technician, e.g. Electrical Fundamentals, Transistor Circuits, A.C. Circuits.)

(b) Equivalents of the courses listed below in the "Foundations of Education" (section 1) are offered in the Community College, and students are urged to take them before entering Florida International. If not, 10 quarter hours of foundations (section 1) will be needed to meet this requirement.

### Florida International University Program of Study:

<b>1. Foundations of Education</b>	<b>CREDITS</b>
PSYCHOLOGY 307 – HUMAN GROWTH & DEVELOPMENT	5
or	
PSYCHOLOGY 305 – INTRODUCTORY EDUCATIONAL PSYCHOLOGY	5
SOCIOLOGY 343 – SCHOOL AND SOCIETY	5

## 2. Professional Education

EDU	305	— SCHOOLING IN AMERICA: K-14	5
EVO	509	— TECHNICAL EDUCATION IN AMERICAN SOCIETY	5
EDU	311	— GENERAL TEACHING LABORATORY I	5
EDU	312	— GENERAL TEACHING LABORATORY II	5
EVO	306	— COURSE PLANNING IN VOCATIONAL EDUCATION	5
EVO	407*	— SUPERVISED OCCUPATIONAL EXPERIENCE	(15)
EVO	504	— INSTRUCTIONAL MEDIA FOR VOCATIONAL TEACHING	5
EVO	406	— SPECIAL TEACHING LABORATORY	5
EAD	509	— ADULT TEACHING AND LEARNING	4
EVO	425	— STUDENT TEACHING	15

## 3. Advised Electives

SCIENCE, MATHEMATICS OR TECHNICAL AREA	20
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## 4. Free Elective

15-16

\*For students who lack acceptable occupational experience in the area to be taught.

## Graduate Programs

The Division offers programs leading to the Master of Science Degree in Education in several majors and sub-specialties within vocational and technical education. Persons with a bachelor's degree who qualify with minimum undergraduate grade averages or Graduate Record Examination scores as specified by the State University System and who have appropriate professional background and aspirations may be admitted to the programs. Typically, practicing teachers, supervisors, administrators and curriculum specialists in any of several areas of vocational and technical education may enroll for the purpose of improving their professional skills and/or to prepare for new professional responsibilities.

Each student is assigned an academic advisor who confers with the student in developing the program of studies to be followed and advises and supervises the student throughout the entire period of enrollment. Each program has a core of academic course requirements, advised electives, and a portion of work to be completed in related disciplines outside the School of Education. The programs require a minimum of 45 quarter hours of graduate work.

The major areas currently available for study are as follows:

- Home Economics Education\*
- Industrial Arts Education
- Technical Education (community college teaching)
- Vocational Industrial Education
- Vocational and Technical Education: Administration and Supervision

\*Generalized program of study now being planned.

**Program of Study  
for  
MASTER OF SCIENCE IN EDUCATION  
SPECIALTY: INDUSTRIAL ARTS EDUCATION**

**1. Required Courses**

EVO	504	INSTRUCTIONAL MEDIA FOR VOCATIONAL AND TECHNICAL TEACHING	5
EVO	506	TRENDS AND ISSUES IN VOCATIONAL EDUCATION	4
EVO	507	CURRICULUM DEVELOPMENT IN VOCATIONAL AND TECHNICAL EDUCATION	4
EVO	616	RESEARCH IN VOCATIONAL EDUCATION	4
EVO	696	SEMINAR IN VOCATIONAL AND TECHNICAL EDUCATION	4
EIA	605	ANALYSIS OF INDUSTRIAL ARTS EDUCATION	4
EDU	506	ANALYSIS OF TEACHING	4

**2. Cognate**

A minimum of one course in related or foundation areas selected from offerings of other schools or the College of Arts and Sciences; selected with program adviser's approval. 8-10

**3. Elective**

Practicing teachers will be encouraged to select courses which will improve their technical competency. 10-11

**TOTAL** 45

**Program of Study  
for  
MASTER OF SCIENCE IN EDUCATION  
SPECIALTY: VOCATIONAL INDUSTRIAL EDUCATION**

**1. Required Courses**

EVO	506	TRENDS AND ISSUES IN VOCATIONAL AND TECHNICAL EDUCATION	4
EVO	507	CURRICULUM DEVELOPMENT IN VOCATIONAL AND TECHNICAL EDUCATION	4
EVO	616	RESEARCH IN VOCATIONAL EDUCATION	4
EVO	696	SEMINAR IN VOCATIONAL AND TECHNICAL EDUCATION	4
EDU	506	ANALYSIS OF TEACHING	4

**2. Cognate**

A minimum of two courses in related or foundation areas selected from offerings of other Schools or the College of Arts and Sciences; selected with program advisor's approval. 8-10

### 3. Elective

Practicing teachers will be encouraged to select courses which will improve their technical competency.

13-15

## Program of Study for MASTER OF SCIENCE IN EDUCATION SPECIALTY: TECHNICAL EDUCATION

### 1. Required Courses

EVO 507	CURRICULUM DEVELOPMENT IN VOCATIONAL AND TECHNICAL EDUCATION	4
EVO 509	TECHNICAL EDUCATION IN AMERICAN SOCIETY	4
EVO 616	RESEARCH IN VOCATIONAL EDUCATION	4
EVO 696	SEMINAR IN VOCATIONAL AND TECHNICAL EDUCATION	4
EVO 509	ADULT TEACHING AND LEARNING	4
EDU 506	ANALYSIS OF TEACHING	4

### 2. Cognate

A minimum of two courses in related or foundation areas selected from offerings of other Schools of the College of Arts and Sciences; selected with program advisor's approval.

8-10

### 3. Elective

Practicing teachers will be encouraged to select courses which will improve their technical competency.

10-12

## Program of Study for MASTER OF SCIENCE IN EDUCATION SPECIALTY: VOCATIONAL AND TECHNICAL EDUCATION ADMINISTRATION AND SUPERVISION

### 1. General Administration Core (Required)

EDA 605	THE ORGANIZATION AND OPERATION OF PUBLIC SCHOOL SYSTEMS	4
EDA 608	SUPERVISION IN EDUCATION	5
EDA 609	CURRICULUM DEVELOPMENT AND EVALUATION	4
EDU 507	ANALYSIS AND APPLICATION OF EDUCATIONAL RESEARCH	4

### 2. Vocational Education Required Courses

EVO 508	PROGRAM PLANNING IN VOCATIONAL AND TECHNICAL EDUCATION	4
EVO 606	ADMINISTRATION OF LOCAL VOCATIONAL EDUCATION PROGRAMS	4
EVO 616	RESEARCH IN VOCATIONAL EDUCATION	4

<b>3. Cognate</b>	A minimum of two courses in related or foundation areas selected from offerings of other Schools or the College of Arts and Sciences; selected with program advisor's approval	8-10
<b>4. Electives</b>		7-9
<b>TOTAL</b>		<b>45</b>

## VOCATIONAL AND TECHNICAL EDUCATION

- EVO 305 – FOUNDATIONS OF VOCATIONAL EDUCATION (5) (F,S)**  
Examines the principles, practices and philosophy of vocational education. Includes historical development, goals, factors influencing vocational education, vocational legislation, organization and governance, program areas, labor economics and manpower needs, influence of technology, characteristics of learners, and major issues in vocational education.
- EVO 306 – COURSE PLANNING IN VOCATIONAL AND TECHNICAL EDUCATION (5) (W,S)**  
Planning and organizing bodies of knowledge related to occupations into instructional content, strategies, processes, objectives, instructional materials, and learning activities in all areas of vocational education. Establishes philosophical bases and methodology for increasing the efficiency, effectiveness, and relevancy of what is taught in each student's area of specialization.
- EVO 308 – VOCATIONAL AND TECHNICAL EDUCATION LABORATORY MANAGEMENT AND SAFETY (5) (Arranged)**  
Principles and procedures of planning, organizing, and controlling student personnel and laboratory conditions; development of maintenance and safety programs, schedules and records, and the selection and purchase of equipment and materials.
- EVO 406 – SPECIAL TEACHING LABORATORY (5) (W,S)**  
Mini-teaching experience within areas of specialization in selected urban and suburban schools. Includes planning, teaching, and evaluating the teaching act in relation to selected situations, problems, strategies, and conditions. Experiences are designed to build teaching proficiency under varied conditions, directed by a master teacher and university personnel. Prerequisites: EDU 311 and 312, General Teaching Laboratory I, II.
- EVO 407 – SUPERVISED OCCUPATIONAL EXPERIENCE (5-15) (W,S)**  
An on-the-job field experience in industry, business, or a government agency in an occupation which the student is preparing to teach; cooperative placement and supervision by the University and the employer. Enrollment may be repeated for maximum of 45 quarter hours (40 clock hours work for each quarter hour credit).



**EVO 409 – TEACHING CAREER RELATED ACTIVITIES (5) (W,S)**

Emphasizes articulation of career concepts and activities with regular studies. Provides classroom and laboratory experiences in identifying, planning, developing, and teaching activities representative of career clusters. Develops knowledge and skill in basic tool and material manipulation for various occupations. Includes classroom safety.

**EVO 415 – ORIENTATION TO CAREERS (5) (W,S)**

Examines the social, psychological and economic significance of work, career and job classification, educational and occupational requirements, population mobility, job analysis, manpower supply and demand, community surveys and resources, and procedures in presenting career information.

**EVO 425 – STUDENT TEACHING (15) (Arranged)**

Students build operational teaching capability in planned practice teaching situations in an elementary, junior high, senior high, junior college, or other appropriate educational setting. Students are supervised by master teachers and university vocational and technical education personnel. Participation in a teaching seminar is required to analyze and solve teaching problems as encountered. Prerequisite: EVO 406 Special Teaching Laboratory.

**EVO 504 – INSTRUCTIONAL MEDIA FOR VOCATIONAL AND TECHNICAL TEACHING (5) (W)**

The design and development of special written, visual, and three-dimensional instructional aids and the articulation of commercial media for vocational teaching. Develops operational skills in visual, audio, and audiovisual equipment, including VTR and the management of media equipment and supplies. Emphasizes laboratory experiences.

**EVO 505 – OCCUPATIONAL EXPERIENCE FOR VOCATIONAL AND TECHNICAL TEACHING (5-45) (S,SS)**

A maximum of 45 quarter hours credit will be recorded for past experience as competency in an occupation which the student is preparing to teach. Credit will be awarded only through written and performance examinations, evaluation of competency through approved licenses, program completion certificates and/or other supporting information determined by the division chairman. Student must apply and submit evidence for review a minimum of six months prior to the anticipated date of graduation.

**EVO 506 – TRENDS AND ISSUES IN VOCATIONAL AND TECHNICAL EDUCATION (4) (F,SS)**

Explores significant past and current thrusts in vocational education. Examines philosophies, social and legislative bases, and current program models. Develops understanding of current practices and emphases in the field of vocational and technical education.

**EVO 507 – CURRICULUM DEVELOPMENT IN VOCATIONAL AND TECHNICAL EDUCATION (4) (W,SS)**

The assessment of current curricula, identification of needs, formulation of goals, structuring a body of knowledge, writing objectives, applying evaluation criteria, establishing course designs, generating teaching and learning activities, identifying hardware and software, and producing a curriculum guide. Designed to increase operational efficiency, effectiveness and relevancy of specific vocational, technical, and adult courses and curricula.

**EVO 508 – PROGRAM PLANNING IN VOCATIONAL AND TECHNICAL EDUCATION (4) (F)**

Assessment of current programs, utilization of community, business, and industrial authorities and information to identify economic conditions, manpower needs, student needs for career development. Activities include formulating program goals, structuring programs, writing program objectives, developing program evaluation criteria, determining administrative organization and procedure. Recommended for administrators, coordinators, and vocational curriculum specialists.

**EVO 509 – TECHNICAL EDUCATION IN AMERICAN SOCIETY (4) (SS)**

Examines the current nature and status of technical education programs, their scientific bases, institutional structures, and educational products. The contributions of the technical institute, the junior college, the military, and industry are discussed in relation to current technical preparation goals and programs.

**EVO 515 – INSTRUCTIONAL PROCESSES IN VOCATIONAL AND TECHNICAL EDUCATION (4) (Arranged)**

Basic techniques and procedures in lesson preparation, teaching classroom and laboratory activities, assessing student performances, and managing classrooms and laboratories. Permission of program adviser is required.

**EVO 516 – COOPERATIVE VOCATIONAL EDUCATION PROGRAMS (4) (S)**

An analysis of philosophy, objectives, and organization of established and emerging cooperative programs in vocational and technical education. Strong emphasis on coordination techniques and principles, student selection practices, labor laws, providing related instruction, and program evaluation.

**EVO 517 – SUPERVISION AND COORDINATION OF VOCATIONAL EDUCATION PROGRAMS (4) (W)**

Defines responsibilities of program coordinators and supervisors of vocational and technical programs at the secondary and adult levels. Principles of planning, organizing and operating programs, including techniques of staff supervision, are stressed. Provides practice in the handling of human relations elements of supervision and program coordination.

**EVO 518 – EMERGING EMPHASES IN CAREER  
EDUCATION (4)**

(W,S,SS)

Examines the needs, forces, directions, and conceptual structures of developing K-14 career education programs. Examines and recommends ways in which career education can be developed and integrated into current educational programs. This course is designed to establish philosophical and curricular referents for all elementary and secondary education teachers and administrators who anticipate roles in career education.

**EVO 526 – COMMUNITY RELATIONS AND RESOURCES FOR  
VOCATIONAL AND TECHNICAL EDUCATION (4)**

Analyzes community resources, organization and coordination of advisory and planning groups for effective vocational and technical education; human relations factors in formulating and implementing school policies and programs.

**EVO 527 – EVALUATING EDUCATIONAL PROGRESS IN  
VOCATIONAL AND TECHNICAL EDUCATION (4)**

The application of elementary testing theory to vocational and technical teaching; construction and use of performance and verbal tests; examination and use of published tests in vocational and technical teaching, self-assessment of teaching performance. Permission of program adviser required.

**EVO 528 – VOCATIONAL EDUCATION EQUIPMENT AND  
FACILITIES PLANNING (4)**

Researching, designing and engineering plans for laboratory facilities and equipment for all areas of vocational education. Planning for space utilization, environmental conditions, coordination of laboratory equipment, and purchasing of materials and supplies.

**EVO 595 – INDIVIDUAL STUDY (1-5)**

(F,W,S,SS)

Specialized intensive study in areas of interest to the student, subject to approval of program adviser.

**EVO 597 – WORKSHOP IN VOCATIONAL AND  
TECHNICAL EDUCATION (3-15)**

(SS)

Short-term intensive development of selected operational competencies related to instructional, curricular and/or administrative skills, practices, and procedures of special interest to students in vocational and technical education.

**EVO 606 – ADMINISTRATION OF LOCAL VOCATIONAL  
EDUCATION PROGRAMS (4)**

(F,W)

The principles and practices of local administration, its organization, authority, programs operations, responsibilities, and the decision making process. Examines policy formulation and implementation, fiscal control, state reports, staff utilization, liaison with cooperating agencies, program development, evaluation, public relations and communications systems for efficient administration.

**EVO 616 – RESEARCH IN VOCATIONAL AND TECHNICAL EDUCATION (4) (S,SS)**

Systematic identification and analysis of problems in vocational and technical education; interpreting, and translating research findings into curricular and teaching practice in vocational and technical education.

**EVO 695 – SUPERVISED FIELD EXPERIENCE (4-8) (W,S)**

A planned professional field experience in a school or district for students interested in becoming master teachers, administrators, supervisors, or other shifts in responsibility. Includes a problems seminar for analyzing and solving problems as they are encountered.

**EVO 696 – SEMINAR IN VOCATIONAL AND TECHNICAL EDUCATION (2-4) (S)**

Provides intensive study of instructional, curricular, and/or administrative principles and practices for the solution of problems of special interest to students in vocational and technical education.

**INDUSTRIAL ARTS EDUCATION\***

**EIA 305 – CONSTRUCTION TECHNOLOGY (5) (S)**

Laboratory experiences of basic production, management and personnel practices as they relate to construction systems and projects.

**EIA 306 – MANUFACTURING TECHNOLOGY (5) (S)**

Laboratory experiences of basic manufacturing, management, personnel, and production practices as they relate to products and processes. Safety procedures.

**EIA 307 – REPROGRAPHICS (5)**

Laboratory experiences in the theory and practice of communicating through graphics; includes experiences in copywriting, editing, image generation, image assembly, photo conversion, image carrier preparation, transfer, and finishing procedures.

**EIA 406 – INDUSTRIAL RESEARCH AND DEVELOPMENT (5) (F)**

Laboratory experiences in formulating, researching, designing, engineering, and developing prototypes of constructed and manufactured products and processes. Prerequisite: EIA 305 Construction Technology or EIA 306 Manufacturing Technology.

**EIA 407 – PLANOGRAPHIC PROCESSES (5)**

Laboratory experiences in the theory and practice of offset lithography. Emphasis will be directed toward skill development in design and copy preparation, process photography, stripping, platemaking, and duplicator operation.

\*Courses are offered in cooperation with the School of Technology.

**EIA 408 – PHOTOGRAPHICS (5)**

Laboratory experiences in the theory and practice of photography as used in visual communications. Develops proficiencies in camera work, developing, and printing.

**EIA 409 – MATERIALS OF INDUSTRY (5)**

Laboratory experiences in the theory and practice of characteristics of materials of industry. Includes test and measurements of stress, strain, torsion, tensile strength, fatigue and hardness of metals, wood, fabrics, ceramics and synthetics.

**EIA 415 – DRAFTING COMMUNICATIONS (5)**

Laboratory experiences in the theory and practice of idea development and expression through freehand sketching, and conventional practices in instrument drafting, layout, and execution.

**EIA 416 – TECHNICAL DRAFTING (4)**

Laboratory experiences in the theory and practice of product planning, projections, and dimensioning of two and three dimensional products.

**EIA 417 – MECHANICAL POWER SYSTEMS (5)**

Laboratory experience in the theory of operation of mechanical power systems. Includes introductory experience with turbine, diesel, reciprocating, and steam engines; mechanical and fluid power transmission systems, and basic aerodynamics and aircraft structures.

**EIA 418 – ELECTRICAL/ELECTRONIC SYSTEMS (5)**

Theory of operation and laboratory experience with electrical power transmission and utilization, fundamentals of electronics, and application of electronic control systems.

**EIA 419 – MATERIALS PROCESSING (5)**

Theory of and laboratory experience in the theory and practices of separating, forming and combining techniques. Includes work with a variety of materials resulting in manufactured components.

**EIA 426 – FABRICATION AND PRODUCTION (5)**

Laboratory experiences in the theory and practice of combining and fabricating components into sub-assemblies, assemblies and finished products. Includes flow charting, scheduling, automation work measurement, quality control, mass production techniques, and preparation for distribution of products.

**EIA 595 – INDIVIDUAL STUDY (1-5)**

Specialized intensive study in areas of interest to the student, subject to approval of program advisor.

**EIA 605 – ANALYSIS OF INDUSTRIAL ARTS EDUCATION (4)**

A critical analysis and defining of industry, identification of

industrial technologies, comparisons of educational and industrial arts goals to program practice, survey of legislation and program developments. Development of a rationale and structure for K-12 and teacher education programs in industrial arts.

### **Division of Health, Physical Education, Recreation and Athletics**

The Division of Health, Physical Education, Recreation and Athletics offers teacher certification in both Health Education and Physical Education. Students receiving a degree in Health Education are certified to teach in Grades 7 through 12; students receiving a degree in Physical Education are certified to teach in Grades K through 12. Upon completion of a required core, students are offered a wide range of option in which to specialize.

All programs in the Division follow a performance based format as prescribed by the School of Education. The programs are self-paced, and allow for a great deal of individualized instruction. Successful completion of the prescribed tasks results in credit or credit with honors for the course. If all required tasks are not completed, students receive no credit until such time as the requirements are met.

Within the Division, programs in recreational activities, intramural sports, club sports and varsity sports are offered to all students attending the University. For further information on these activities students should refer to the section in the Catalog on athletics.

### **Parks and Recreation Management**

At this printing, the Schools of Education and Business and Organizational Sciences are planning an interdisciplinary program in Parks and Recreation Management at both the baccalaureate and master degree level. It is anticipated that this program will be implemented in the fall of 1973. Interested students should inquire at the Dean's office in either school.

## **TEACHERS OF HEALTH EDUCATION, GRADES 7-12**

### **Lower Division Preparation**

As a part of the 90 quarter hours (60 semester hours) of lower division coursework necessary to enter this upper division major, the following recommendations and/or course requirements should be noted:

**Required Course:** None

**Recommended Courses:** (a) Equivalents of the courses listed below in the "Foundations of Education" (section 1) are offered in the Community College and students are urged to take them before entering Florida International University. If not, 10 quarter hours of foundations (section 1)

will be needed to meet this requirement. The State of Florida requires one course in psychological foundations and one in social foundations for teacher certification. (b) An equivalent of HED 406 (section 3, below) is offered in the Community College, and students are urged to take it before entering Florida International University.

**Florida International University Program of Study:**

			CREDITS
<b>1. FOUNDATIONS OF EDUCATION</b>			
PSYCHOLOGY 307	—	HUMAN GROWTH AND DEVELOPMENT	5
or			
PSYCHOLOGY 305	—	INTRODUCTORY EDUCATIONAL PSYCHOLOGY	5
SOCIOLOGY 343	—	SCHOOL AND SOCIETY	5
<b>2. SUBJECT MATTER SPECIALIZATION</b>			
BIOLOGY courses in the upper division to include			
BACTERIOLOGY or MICROBIOLOGY and HUMAN ANATOMY or PHYSIOLOGY 15			
<b>3. PROFESSIONAL EDUCATION</b>			
EDU	305	— SCHOOLING IN AMERICA K-14	5
EDU	311	— GENERAL TEACHING LABORATORY I	5
EDU	312	— GENERAL TEACHING LABORATORY II	5
HED	405	— SPECIAL TEACHING LAB: HEALTH EDUCATION	5
HED	425	— STUDENT TEACHING	15
HED	406	— HEALTHFUL LIVING: PERSONAL	5
HED	407	— HEALTHFUL LIVING: COMMUNITY	5
HED	408	— SCHOOL PROGRAMS IN HEALTH EDUCATION	5
HED	409	— SCHOOL HEALTH SERVICES	5
HED	410	— DRUG EDUCATION	5
HED	411	— CRITICAL ISSUES IN HEALTH EDUCATION	5
<b>4. ADVISED ELECTIVES</b>			
HED	412	— PROBLEMS IN SCHOOL HEALTH EDUCATION	5
HED	413	— INDEPENDENT STUDY	2-5
HEP	374	— HEALTH & SOCIAL SERVICE DELIVERY SYSTEMS	1-15

**TEACHERS OF PHYSICAL EDUCATION, GRADES 1-12**

**Lower Division Preparation:**

As a part of the 90 quarter hours (60 semester hours) of lower division coursework necessary to enter this upper division major, the following recommendations and/or course requirements should be noted:

**Required Courses:** None

**Recommended Courses:** (a) Equivalents of the courses listed below in the "Foundations of Education" (section 2) are offered in the Community College, and students are urged to take them before entering Florida International University. If not, 10 quarter hours of foundations (section 1) will be needed to meet this requirement. The State of Florida requires one course in psychological foundations and one course in foundations for teacher certification. (b) Equivalents of PHE 411, 412, 421 and 422, and HED 406 (section 3, below) are offered in the Community College, and students are urged to take them before entering Florida International University. In addition, Community College students should develop a strong background in both social and biological sciences, including anatomy and physiology. Students majoring in Physical Education will take a core of courses called Scientific Foundations of Physical Education in addition to an activities sequence. Following the core, students may specialize in either secondary school physical education, elementary school physical education or coaching. Students should consult their advisor to explore the options in these areas.

**Florida International University Generalized Program of Study:**

		CREDITS
<b>1. FOUNDATIONS OF EDUCATION</b>		
PSYCHOLOGY 307	– HUMAN GROWTH AND DEVELOPMENT	5
or		
PSYCHOLOGY 305	– INTRODUCTORY EDUCATIONAL PSYCHOLOGY	5
SOCIOLOGY 343	– SCHOOL AND SOCIETY	5
<b>2. SUBJECT MATTER SPECIALIZATION</b>		
BSC 374	– PHYSIOLOGY	5
<b>3. PROFESSIONAL EDUCATION</b>		
EDU 305	– SCHOOLING IN AMERICA K-14	5
EDU 311	– GENERAL TEACHING LABORATORY I	5
EDU 312	– GENERAL TEACHING LABORATORY II	5
PHE 305	– SCIENTIFIC FOUNDATIONS OF PHYSICAL EDUCATION I	5
PHE 306	– SCIENTIFIC FOUNDATIONS OF PHYSICAL EDUCATION II	5
PHE 307	– SCIENTIFIC FOUNDATIONS OF PHYSICAL EDUCATION III	5
PHE 308	– SOCIO-PSYCHOLOGICAL PERSPECTIVES OF PHYSICAL ACTIVITY	5
PHE 309	– ADAPTED PHYSICAL EDUCATION	5
PHE 310	– INTRAMURALS IN SCHOOLS & COLLEGES	5
PHE 405	– SPECIAL TEACHING LAB: PHYSICAL EDUCATION	5
PHE 411	– THEORY AND PRACTICE IN PHYSICAL ACTIVITIES (MEN)	5



PHE	421	– THEORY AND PRACTICE IN PHYSICAL ACTIVITIES (WOMEN)	5
PHE	412	– THEORY AND PRACTICE IN PHYSICAL ACTIVITIES (MEN)	5
PHE	422	– THEORY AND PRACTICE IN PHYSICAL ACTIVITIES (WOMEN)	5
PHE	409	– ANALYSIS OF COACHING	5
PHE	425	– STUDENT TEACHING	15
HED	406	– HEALTHFUL LIVING: PERSONAL	5

**4. Advised Electives**

PHE	406	– COACHING DUAL AND INDIVIDUAL SPORTS	5
PHE	407	– COACHING TEAM SPORTS	5
PHE	413	– INDEPENDENT STUDY	5
PHE	408	– MOVEMENT EDUCATION IN THE ELEMENTARY SCHOOL	5
PHE	415	– SCHOOL AND COMMUNITY RECREATION PROGRAMS	5
PHE	496	– SEMINAR IN PHYSICAL EDUCATION	5

**Program of Study  
for  
MASTER OF SCIENCE IN EDUCATION  
SPECIALTY: HEALTH EDUCATION**

<b>A. Professional Education</b>			14 quarter hours
1.	EDU	507 ANALYSIS AND APPLICATION OF EDUCATIONAL RESEARCH	4
2.	EDU	506 ANALYSIS OF TEACHING	4
3.	PSY	505 ADVANCED EDUCATIONAL PSYCHOLOGY	4
<b>B. Area of Specialization</b>			16 quarter hours
1.	HED	505 CURRENT CONCEPTS IN COMMUNITY HEALTH	4
2.	HED	697 CREATIVE WORKSHOP IN HEALTH EDUCATION	4
3.	HED	506 HEALTH CURRICULUMS IN PUBLIC SCHOOLS	4
4.	HED	507 EDUCATIONAL APPROACHES TO HEALTH PROBLEMS	4
<b>C. Electives</b>			15 quarter hours

**Program of Study  
for  
MASTER OF SCIENCE IN EDUCATION  
SPECIALTY: PHYSICAL EDUCATION – ELEMENTARY**

<b>A. Professional Education</b>				<b>14 quarter hours</b>
1.	EDU	507	ANALYSIS AND APPLICATION OF EDUCATIONAL RESEARCH	5
2.	EDU	506	ANALYSIS OF TEACHING	4
3.	PSY	505	ADVANCED EDUCATIONAL PSYCHOLOGY	5
<b>B. Area of Specialization: Elementary</b>				<b>19 quarter hours</b>
	<b>School Physical Education</b>			
1.	EEL	605	CURRICULUM DESIGN FOR CHILDHOOD EDUCATION	3
2.	PHE	505	CREATIVE WORKSHOP IN PHYSICAL EDUCATION	4
3.	PHE	506	PERCEPTUAL MOTOR LEARNING	4
4.	PHE	507	CURRICULUM DEVELOPMENT IN PHYSICAL EDUCATION	4
5.	PHE	696	SEMINAR IN PHYSICAL EDUCATION	4
<b>C. Electives</b>				<b>12 quarter hours</b>

**Program of Study  
for  
MASTER OF SCIENCE IN EDUCATION  
SPECIALTY: PHYSICAL EDUCATION – SECONDARY**

<b>A. Professional Education</b>				<b>14 quarter hours</b>
1.	EDU	507	ANALYSIS AND APPLICATION OF EDUCATIONAL RESEARCH	5
2.	EDU	506	ANALYSIS OF TEACHING	4
3.	PSY	505	ADVANCED EDUCATIONAL PSYCHOLOGY	5
<b>B. Area of Specialization: Secondary</b>				<b>16 quarter hours</b>
	<b>School Physical Education</b>			
1.	PHE	507	CURRICULUM DEVELOPMENT IN PHYSICAL EDUCATION	4
2.	PHE	505	CREATIVE WORKSHOP IN PHYSICAL EDUCATION	4
3.	SDC	535	SOCIOLOGY OF SPORT	4
4.	PHE	508	EVALUATION IN PHYSICAL EDUCATION	4
<b>C. Electives</b>				<b>15 quarter hours</b>

**HEALTH, PHYSICAL EDUCATION, RECREATION**  
**Physical Education**

- PHE 305 – SCIENTIFIC FOUNDATIONS OF PHYSICAL EDUCATION I (5) (F)**  
An integrative study of scientific aspects of physical education dealing with exercise physiology.
- PHE 306 – SCIENTIFIC FOUNDATIONS OF PHYSICAL EDUCATION II (5) (W)**  
An integrative study of scientific aspects of physical education dealing with kinesiology.
- PHE 307 – SCIENTIFIC FOUNDATIONS OF PHYSICAL EDUCATION III (5) (S)**  
An integrative study of scientific aspects of physical education relating to evaluation.
- PHE 308 – SOCIO-PSYCHOLOGICAL PERSPECTIVES OF PHYSICAL ACTIVITY (5) (F)**  
A study of the cultural and psychological influences on children which may affect their physical activity.
- PHE 309 – ADAPTED PHYSICAL EDUCATION (5) (W)**  
A study of the atypical child in physical education. Special emphasis will be given to programs dealing with the handicapped, retarded, and children with learning disorders.
- PHE 310 – INTRAMURALS IN SCHOOLS AND COLLEGES (5) (S)**  
A comprehensive study of organization administration of intramural programs for individuals of all ages.
- PHE 405 – SPECIAL TEACHING LABORATORY (5) (F,S)**  
Methodology in secondary school and elementary school physical education emphasizing curriculum, learning theories and communicative skills in relation to the individual's area of specialization.
- PHE 406 – COACHING DUAL AND INDIVIDUAL SPORTS (5) (W)**  
A study of a variety of activities involving individual effort with emphasis upon coaching principles and techniques. Students will select two or more of the following sports: wrestling, racquet sports, swimming, track and field, golf gymnastics.
- PHE 407 – COACHING TEAM SPORTS (5) (F)**  
A study of a variety of team sports involving group effort with emphasis upon coaching principles and techniques. Students will select two or more of the following sports: soccer, football, basketball, water polo, baseball, lacrosse, volleyball.

- PHE 408 – MOVEMENT EDUCATION IN THE  
ELEMENTARY SCHOOL (5) (S)**  
An exploration of the fundamentals involved in early childhood movement experiences. Special attention is given to the relationships of movement to other academic work and to the acquisition of a sound base for future neuromuscular development.
- PHE 409 – ANALYSIS OF SPORT (5) (F)**  
An in-depth study of the psychological, sociological elements of sport. Analogies will be made to various activities.
- PHE 411 – THEORY AND PRACTICE IN PHYSICAL  
ACTIVITIES – MEN (5) (F)**  
A laboratory experience directed towards developing competencies in a variety of skill areas for secondary school physical education.
- PHE 412 – THEORY AND PRACTICE IN PHYSICAL  
ACTIVITIES – MEN (5) (W)**  
A laboratory experience directed towards developing competencies in a variety of skill areas for elementary school physical education.
- PHE 425 – STUDENT TEACHING (15) (S)**  
A practical laboratory experience under the supervision of practicing professionals.
- PHE 422 – THEORY AND PRACTICE IN PHYSICAL  
ACTIVITIES – WOMEN (5) (W)**  
A laboratory experience directed towards developing competencies in a variety of skill areas for elementary school physical education.
- PHE 421 – THEORY AND PRACTICE IN PHYSICAL  
ACTIVITIES – WOMEN (5) (F)**  
A laboratory experience directed towards developing competencies in a variety of skill areas for secondary school physical education.
- PHE 413 – INDEPENDENT STUDY (1-5) (arranged)**  
A program designed to give individual students an opportunity to explore topics of interest under close supervision of an instructor. Permission must be granted by both the instructor and the division chairman.
- PHE 415 – SCHOOL AND COMMUNITY RECREATION  
PROGRAMS (5) (SS)**  
A study of the organization, administration, and activities of recreation covering school, community, and camping programs.
- PHE 416 – ATHLETIC INJURIES (5) (S)**  
A practical approach to the care and the prevention of athletic injuries common to physical education and athletics.

- PHE 496 – SEMINAR IN PHYSICAL EDUCATION (5) (S)**  
A study of problems, issues and trends relating to special interest areas in physical education.
- PHE 505 – CREATIVE WORKSHOP IN PHYSICAL EDUCATION (4) (W)**  
A course designed to give students the opportunity to create materials and techniques for teaching elementary school physical education. Emphasis will be on items that have an effect on the child's overall educational development.
- PHE 506 – PERCEPTUAL MOTOR LEARNING (4) (F)**  
An investigation of various approaches to perceptual learning experiences with application for physical education.
- PHE 507 – CURRICULUM DEVELOPMENT IN PHYSICAL EDUCATION (4) (W)**  
A study of the curriculum, its development, determinants, and future in grades K through college.
- PHE 508 – EVALUATION IN PHYSICAL EDUCATION (4) (F)**  
A study of various types of evaluative procedures in physical education. Statistical computation will be discussed as well as test development and the use of standardized tests.
- PHE 509 – HISTORY OF PHYSICAL EDUCATION (4) (S)**  
An analysis of the historical developments in physical education and their influence upon today's programs.
- PHE 595 – INDIVIDUAL STUDY (1-5) (F,W,S)**  
A plan of study designed for individuals to work independently on physical education topics of their choice under the direction of a faculty member.
- PHE 535 – SOCIOLOGY OF SPORT (5) (S)**  
A study of cultural influences on man in the area of sport.
- PHE 695 – SUPERVISED FIELD EXPERIENCE (5-15) (By Arrangement)**  
A practical study pursued in an educational environment at the University, an agency, or a school approved by the faculty. Approval will be granted for the course upon submission of an acceptable proposal stating objectives and desired outcomes of such an experience.
- PHE 696 – SEMINAR IN PHYSICAL EDUCATION (3) (W)**  
A study of problems, issues and trends in physical education.

**PHE 697 – WORKSHOP IN PHYSICAL  
EDUCATION (3-5)**

**(By Arrangement)**

A course designed to give the students an opportunity to explore and develop new teaching methods and skills in developing physical education programs.

**PHE 698 – RESEARCH IN PHYSICAL  
EDUCATION (4)**

**(By Arrangement)**

An exploration and study of various research methods and their application to physical education.

**Health Education**

**HED 405 – SPECIAL TEACHING LABORATORY  
HEALTH EDUCATION (5)**

**(S)**

Methodology in the teaching of health with special emphasis on approaches to today's health problems.

**HED 406 – HEALTHFUL LIVING: PERSONAL (5)**

**(S)**

A discussion of those areas of health that pertain to the individual such as disease, mental illness, nutrition and reproduction.

**HED 407 – HEALTHFUL LIVING: COMMUNITY (5)**

**(F)**

A discussion of those areas of health dealing with society such as ecology and pollution.

**HED 408 – SCHOOL PROGRAMS IN HEALTH  
EDUCATION (5)**

**(W)**

A study of the various approaches and curriculum content that schools utilize in teaching health to their students.

**HED 409 – SCHOOL HEALTH SERVICES (5)**

**(W)**

An examination of various agencies and services available to local schools which may contribute to their health programs.

**HED 410 – DRUG EDUCATION (5)**

**(W)**

An in-depth study of the drug problem. The course will cover current drug education methods and will explore the various types of drugs and their effect upon people.

**HED 411 – CRITICAL ISSUES IN HEALTH EDUCATION (5)**

**(S)**

A study of those aspects of health which appear to be the most important to our society including legislative issues and public opinion.

**HED 412 – PROBLEMS IN SCHOOL HEALTH EDUCATION (5)**

**(SS)**

A study of problems in school health education which affect curriculum, subject matter and educational outcomes.

- HED 413 – INDEPENDENT STUDY (5)** (W,S,SS)  
 A program designed to give individual students and opportunity to explore topics of interest under close supervision of an instructor. Permission must be granted by both the instructor and the division chairman.
- HED 425 – STUDENT TEACHING (15)** (S)  
 A practical laboratory experience under the supervision of practicing professionals.
- HED 505 – CURRENT CONCEPTS IN COMMUNITY HEALTH (4)** (W)  
 A study of social backgrounds affecting attitudes and programs in community health.
- HED 506 – HEALTH CURRICULUMS IN PUBLIC SCHOOLS (4)** (S)  
 A systematic study of health curriculums and their application to various age levels.
- HED 507 – EDUCATIONAL APPROACHES TO HEALTH EDUCATION (4)** (W)  
 An investigation of various modern techniques and tools for teaching health education to children in the elementary grades.
- HED 595 – INDIVIDUAL STUDY (1-5)** (F,W,S)  
 A plan of study designed for individuals to work independently on health education topics of their choice under the direction of faculty member. Permission of the instructor and division chairman needed.
- HED 695 – SUPERVISED FIELD EXPERIENCE (5-15)** (By Arrangement)  
 A practical study pursued in an educational environment at a university, agency or school approved by the faculty. Approval will be granted for the course upon submission of an acceptable proposal stating objectives and desired outcomes of such an experience.
- HED 696 – SEMINAR IN HEALTH EDUCATION (3)** (S)  
 A study of problems, issues and trends in health education.
- HED 697 – CREATIVE WORKSHOP IN HEALTH EDUCATION (3-5)** (By Arrangement)  
 A course designed to help students create materials and techniques that will aid them in conveying modern health concepts to their students.
- HED 698 – RESEARCH IN HEALTH EDUCATION (3-5)** (By Arrangement)  
 An exploration and study of various research methods and their application to health education.





# School of Health and Social Services



*Dean Vandon E. White*

The school of Health and Social Services will emphasize training that is geared to providing for the total physical, emotional and social needs of each citizen. These needs should be met as far as possible in the sense of prevention rather than one of crisis. Thus, Florida International considers both health and social services inseparable — truly allied health fields.

Two compelling issues of contemporary society are of major concern to the School. How can one respond to the admonition: "Thou art thy brother's keeper"? And how, in an era of magalopolis can we as a society develop a sense of community so necessary for man's self-fulfillment?

Recreating a sense of community in our cities and restoring some of the exciting vitality which should be the cornerstone of every metropolitan area constitute major aspects of the agenda for the School of Health and Social Services. Significant new urban service careers are being developed which hold great promise for bringing a sense of purposefulness and of community into all of our lives. In this connection, the School offers many of its laboratory-type courses as well as clinical and field experiences in community organizations.

The establishment of this School is dramatic proof of the University's recognition of the changing patterns of education and health care delivery in the areas of allied health and social services. The new career possibilities provide an opportunity for members of the health and social service team to work closely together to direct the University's resources to community problems.

Educational programs in the

School of Health and Social Services are structured to provide opportunities for individuals to be trained in an interdisciplinary manner in much the same fashion that they will be expected to work together after graduation. Students enrolled in these programs will pursue a combination of broad general education courses and specialized professional courses, along with clinical training and field experience. offered is to accomplish the following:

- To train allied health and social service professionals in the field of a student's choice.
- To develop generalist-type skills that are essential in working with other professionals to resolve the unique problems of our urban areas.

Each of these programs of study draw to some extent on faculty and course offerings in the College of Arts and Sciences and in the other Schools. The Division of University Services and Continuing Education is also involved in offering study opportunities to individuals who are already practitioners and who would like to keep current in their professions.

Some common elements run through all the programs in the School of Health and Social Services. These elements not only suggest the generalist-type skills which students will need, but they reflect the University's optimistic belief that by working together we are capable of weaving a new fabric of hope and a new sense of well-being for our citizens here and abroad. A review of these common elements follows:

*... A team, task force, a coalition of those interested in health care delivery careers can best provide the knowhow needed to develop comprehensive plans and programs for lessening urban blight, poverty, and lack of health and social services. Such teams will be able to use a systems approach to problem solving.*

*... Cities must be viewed much like any living organism capable of growth and change and capable of being hospitable to a variety of different cultures. Health and social services, therefore, in this sort of setting become but two of a number of important "unifers" in the geographic sectors comprising a city. These services in such geographical sectors, by working jointly with educational, cultural, recreational and governmental entities, must be able to bring to all citizens a sense of community.*

The School of Health and Social Services operates the following eight programs:

**Physical Therapy** — Prepares practitioners to work with persons who are disabled by illness, accident, or were born with a disability. Therapists plan and implement initial and subsequent treatment programs on the basis of test findings, and upon the referral of the licensed physician.

**Occupational Therapy** — Prepares practitioners for medical care and rehabilitation of persons with physical and mental illnesses. Occupational therapy is oriented toward helping the individual to remain healthy. The therapist employs purposeful activities in a restorative program for the sick and disabled.

**Medical Technology** — Prepares laboratory professionals to conduct the many laboratory tests utilized to aid physicians and others in their diagnosis and treatment of patients.

**Nursing** — Prepares practitioners with basic scientific knowledge in biological and behavioral sciences and technological innovations to understand and care for people and their needs in periods of stress.

**Dietetics and Nutrition** — Prepares practitioners to protect the health of the nation by developing expertise in the composition of foods, their biological and physiological functions and their preparation for utilization.

**Social Work** — Prepares practitioners to help solve individual, family, group and community problems by providing an understanding of society's major social issues. The emphasis of the program will be the development of skills needed to initiate and implement social policy.

**Criminal Justice** — Prepares practitioners with a scientific and scholarly blend of social, cultural, behavioral, political and legal learning experiences as they relate to our justice system.

**Health Science** — Prepares persons who have completed a lower division or equivalent program which results in licensure and/or certification to complete their baccalaureate degree. Special emphasis may be given to management, education, health or liberal arts courses.

## Program of Study for CRIMINAL JUSTICE MAJORS

### Lower Division Preparation:

As a part of the 90 quarter hours (60 semester hours) of lower division coursework necessary to enter this upper division major, note the following recommendations and/or course requirements:

**Required Courses:** None

**Recommended Courses:** (a) All students intending to enroll in any of the several tracks of the Criminal Justice Major are urged to complete an Associate in Arts degree, Associate in Science degree or equivalent academic program in criminal justice, police science, criminalistics, criminology, correction or a similarly related field prior to enrollment at Florida International. Such students will receive complete recognition of their degree and credits. No deficiency requirements will be imposed by the University. (b) Students are encouraged to take coursework at the lower division toward completion of the requirements of a minor (section 3 below, all Criminal Justice Major tracks except Criminalistics-Chemistry). (c) Criminalistics-Chemistry Track students are urged to take coursework in science and mathematics as follows:

General Chemistry Chemistry or General Chemistry with Qualitative Analysis	10-12 semester hours
Organic Chemistry	8 semester hours
General Physics with Calculus	12 semester hours
Mathematics (including Calculus I & II)	14 semester hours

Failure of the Criminalistic-Chemistry Track student to complete these courses in the lower division may necessitate the utilization of Florida International University electives and/or lengthening the degree program.

**Florida International University Program of Study:**

Four tracks or areas of concentration are provided for the Criminal Justice Major:

- Police Administration
- Correctional Administration
- Criminal Justice Administration
- Criminalistics-Chemistry (Degree granted by Chemistry Department)

**The Police Administration Track**

	<b>CREDITS</b>
<b>1. Criminal Justice Core</b>	
CRJ 301 – THE NATURE AND CAUSES OF CRIME	5
CRJ 302 – THE ROLES OF LAW ENFORCEMENT	5
CRJ 303 – PROSECUTORIAL AND JUDICIAL POLICY MAKING	5
CRJ 401 – CORRECTIONAL PHILOSOPHY, THEORY AND PRACTICE	5
CRJ 402 – METHODS OF CRIMINAL JUSTICE RESEARCH	5
CRJ 403 – METHODS OF INSTITUTIONAL CHANGE	5
	<b>30</b>
<b>2. Police Administration Concentration</b>	
CRJ 311 – INSTITUTIONAL ORGANIZATION AND ADMINISTRATION	5
CRJ 312 – PERSONNEL SELECTION, DEVELOPMENT AND CONTROL	5
CRJ 313 – PLANNING, BUDGETING AND FINANCIAL ADMINISTRATION	5
	<b>15</b>
<b>3. Minor – Consists of 20 credits in one of the following fields of study:</b>	
Anthropology	Psychology
Economics	Sociology
Political Science	Social Work
	<b>20</b>
<b>4. Electives – 25 credits with emphasis on the following suggested fields of study:</b>	
Criminal Justice – especially:	
CRJ 430 – CRIMINAL JUSTICE AND THE CONSTITUTION	5
CRJ 440 – FIELD WORK & SPECIAL PROJECTS	1-15
Business and Management	
History – especially those courses related to the development of social problems	
Behavioral Sciences	<u>25</u>
<b>TOTAL</b>	<b>90</b>

## The Corrections Administration Track

<b>1. Criminal Justice Core</b>		
CRJ 301	– THE NATURE AND CAUSES OF CRIME	5
CRJ 302	– THE ROLES OF LAW ENFORCEMENT	5
CRJ 303	– PROSECUTORIAL AND JUDICIAL POLICY MAKING	5
CRJ 401	– CORRECTIONAL PHILOSOPHY, THEORY AND PRACTICE	5
CRJ 402	– METHODS OF CRIMINAL JUSTICE RESEARCH	5
CRJ 403	– METHODS OF INSTITUTIONAL CHANGE	5
		<b>30</b>
<b>2. Corrections Concentration</b>		
CRJ 311	– INSTITUTIONAL ORGANIZATION AND ADMINISTRATION	5
CRJ 312	– PERSONNEL SELECTION, DEVELOPMENT AND CONTROL	5
CRJ 313	– PLANNING, BUDGETING AND FINANCIAL ADMINISTRATION	5
CRJ 321	– DELINQUENCY PREVENTION	5
CRJ 421	– PROBATION AND PAROLE	5
CRJ 422	– ADMINISTRATION OF CORRECTIONAL INSTITUTIONS	5
		<b>30</b>
<b>3. Minor</b>	– Consists of 20 credits in SOCIAL WORK	<b>20</b>
<b>4. Electives</b>	– 10 credits from the following suggested fields of study:	
	Criminal Justice – especially CRJ 430 Criminal Justice and the Constitution	
	Business and Management – especially Business Law	
	History – especially those courses related to the development of social problems	
	Behavioral Sciences	<u>10</u>
	<b>TOTAL</b>	<b>90</b>

## The Criminal Justice Administration Track

<b>1. Criminal Justice Core</b>		
CRJ 301	– THE NATURE AND CAUSES OF CRIME	5
CRJ 302	– THE ROLES OF LAW ENFORCEMENT	5
CRJ 303	– PROSECUTORIAL AND JUDICIAL POLICY MAKING	5
CRJ 401	– CORRECTIONAL PHILOSOPHY, THEORY AND PRACTICE	5
CRJ 402	– METHODS OF CRIMINAL JUSTICE RESEARCH	5
CRJ 403	– METHODS OF INSTITUTIONAL CHANGE	5
		<b>30</b>
<b>2. Area of Interest</b>	– A 20 credit requirement developed by the student the academic advisor	<b>20</b>

<b>3. Minor – Consists of 20 credits in one of the following fields of study:</b>		
Anthropology	Psychology	
Economics	Sociology	
Political Science	Social Work	
		20
<b>4. Electives</b>		<u>20</u>
	<b>TOTAL</b>	<b>90</b>

### The Criminalistics – Chemistry Track

<b>1. Criminalistics – Chemistry Core</b>		
CHE 321 – THERMODYNAMICS		5
CHE 322 – EQUILIBRIUM AND PROPERTIES OF SOLUTIONS		5
CHE 325 – PHYSICAL CHEMISTRY LABORATORY		5
CHE 306 – INSTRUMENTATION AND DESIGN		5
CHE 495 – SENIOR SEMINAR		5
		<u>25</u>
<b>2. Ten Credits of Upper Division Chemistry Coursework at least five of which are a laboratory course, may be selected from the following recommended courses:</b>		
CHE 335 – ORGANIC QUALITATIVE ANALYSIS		
CHE 323 – QUANTUM MECHANICS AND QUANTUM CHEMISTRY		
CHE 405 – ADVANCED SPECTROSCOPY AND MOLECULAR STRUCTURE		
CHE 301/		
302 – ORGANIC CHEMISTRY		
CHE 506 – RADIO-CHEMISTRY AND NUCLEAR CHEMISTRY		
		10
<b>3. Ten Credits of Upper Division Biology Coursework</b>		10
<b>4. Internship – A fifteen credit internship in the laboratory of a participating criminal justice agency.</b>		15
<b>5. Criminal Justice Coursework</b>		15
<b>6. Electives – Coursework in the behavior and political sciences is recommended.</b>		<u>15</u>
	<b>TOTAL</b>	<b>90</b>

### CRIMINAL JUSTICE

#### CRJ 300 – AN OVERVIEW OF CRIMINAL JUSTICE (5)

(F,W,S,SS)

An overview of the agencies and processes involved in the administration of criminal justice. Inter-relationships and functions of the legislature, police, prosecutor, defender, courts and corrections are examined. (Recommended for Non-Majors)

## CORE COURSES

- CRJ 301 – THE NATURE AND CAUSES OF CRIME (5) (F)**  
Social, cultural, behavioral, political and economic causitive factors in the development of crime. Psychological and sociological considerations involved in criminal behavior. The role of the legislature as policy maker in criminalizing conduct and the limits of the criminal sanction.
- CRJ 302 – THE ROLES OF LAW ENFORCEMENT (5) (W)**  
An analytical examination of roles of the police in the United States and other countries. The policeman as maintainer of order, protector of individual rights, enforcer, provider of non-criminal service, and social worker. Role conflict and the development of the police as a subculture. Police-Community interaction.
- CRJ 303 – PROSECUTION AND JUDICIAL POLICY MAKING (5) (S)**  
Structure and functions of the prosecutorial and judicial systems in the United States and other countries. Role of the prosecutor, judge and defender in discretionary disposition of cases without trial. Inter-relationships between the prosecutorial and judicial system and other criminal justice agencies. The policy-making role of the appellate judiciary in criminal law and procedure.
- CRJ 401 – CORRECTIONAL PHILOSOPHY,  
THEORY AND PRACTICE (5) (F)**  
Appraisal of correctional methods utilized in the United States and other countries. Prisons, probation, parole work-release programs, half-way houses, community-based correction programs and other techniques are analyzed.
- CRJ 402 – METHODS OF CRIMINAL JUSTICE  
RESEARCH (5) (F)**  
Elements of scientific perspective, interaction of research theory and practice. Research design, data collection, analytic and statistical techniques, use of data processing resources and preparation of research reports.
- CRJ 403 – METHODS OF INSTITUTIONAL CHANGE (5) (S)**  
Analysis of evolutionary and revolutionary changes in political institutions and agencies. Means, methods and techniques for initiating and implementing meaningful change within the criminal justice system.

## COURSES FOR ADMINISTRATIVE CONCENTRATION

- CRJ 311 – INSTITUTIONAL ORGANIZATION  
AND ADMINISTRATION (5) (F)**  
Analysis of the internal organizational structure and of executive

roles and functions in criminal justice agencies. Examines administrative and managerial concepts underlying decision making, policy formulation, operational strategies, and coordination and control procedures. Cases and outside research reports are used for specific analysis.

**CRJ 312 – PERSONNEL SELECTION,  
DEVELOPMENT AND CONTROL (5) (W)**  
Analysis of criminal justice manpower input problems – recruitment, selection, placement, training, development and control at all levels. Emphasis is placed upon policy issues, research findings, and advanced techniques.

**CRJ 313 – PLANNING, BUDGETING AND  
FINANCIAL ADMINISTRATION (5) (S)**  
Planning, budgeting and financial administration methods as applicable to criminal justice agencies are examined. Emphasis is placed on these techniques as they relate to the formulation of policies, objectives of procedures, the determination of organizational priorities, and as techniques to initiate organizational change. Case studies are developed, presented and analyzed.

## **COURSES FOR CORRECTIONAL CONCENTRATION**

**CRJ 321 – DELINQUENCY PREVENTION (5) (W)**  
Problems of juvenile delinquency. Organization and administration of delinquency prevention programs: Police programs, juvenile courts, institutional treatment, and the use of community resources. Case analysis.

**CRJ 421 – PROBATION AND PAROLE (5) (F)**  
An examination of the treatment of convicted law violators by the correctional field services before and after prison.

**CRJ 422 – ADMINISTRATION OF  
CORRECTIONAL INSTITUTIONS (5) (F)**  
Theories and techniques of administering correctional institutions: treatment, security and custody. Social structure of the prison community and inmate social systems. Case studies.

## **GENERALIZED AND ELECTIVE COURSES**

**CRJ 395 – CONTEMPORARY ISSUES IN  
CRIMINAL JUSTICE (Variable) (F,W,S,SS)**  
Forum for unusual or special course offerings focusing on contemporary issues in criminal justice.



- CRJ 405 – ORGANIZED CRIME (5) (W)**  
 An in-depth examination of local, national and international organized crime and its impact upon society.
- CRJ 430 – CRIMINAL JUSTICE AND THE CONSTITUTION (5) (S)**  
 A study of the First, Fourth, Fifth, Sixth, Eighth and Fourteenth Amendments to the Federal Constitution as related to the administration of criminal justice.
- CRJ 440 – FIELD WORK AND SPECIAL PROJECTS (1 to 15) (F,W,S,SS)**  
 Individualized constructive work and/or observational experience in criminal justice agencies, community, organizations or special environments. Advanced counseling of student and advisor's approval required before enrollment.
- CRJ 495 – DIRECTED READINGS IN CRIMINAL JUSTICE (Variable) (F,W,S,SS)**  
 Extensive reading and analysis of appropriate literature under faculty supervisor.
- CRJ 496 – INDEPENDENT RESEARCH (Variable) (F,W,S,SS)**  
 Individually selected program of supervised group of personal study related to a specific criminal justice issue. Normally the product will be a research paper suitable for publication.
- CRJ 500 – DIRECTED RESEARCH (Variable) (F,W,S,SS)**

### Program of Study for DIETETICS AND NUTRITION MAJORS

The Department of Dietetics and Nutrition offers a major in clinical and community dietetics and courses in nutrition for allied disciplines, or for students wishing to understand nutrition for their own benefit.

The clinical program is a part of the Greater Miami Coordinated Undergraduate Dietetic Program, a joint program with Barry College, which meets requirements of The American Dietetic Association, both for academic preparation for membership and internship experience. The student who enters the clinical phase of the program must make formal application after all prerequisites are completed. The clinical courses are sequential and take two academic years to complete. Supervised clinical experiences are in a variety of hospitals and other health agencies. The graduate of this program is eligible to take the registration examination to become a Registered Dietitian. The Florida International University student who enters this program must register at Florida International, and, when the program is complete, will be granted a Bachelor of Science degree from the University.

Registered dietitians who have completed the clinical program are prepared for positions in hospitals and health agencies in therapeutics or community health. For positions in general dietetics or school lunch, the student will need to elect courses in quantity foods and personnel management.

**Lower Division Requirements:**

The student completing lower division work should have completed the following:

- Algebra at intermediate level (may be high school)
- Chemistry, 2 years (General and Organic)
- Human Biology, 1 year
- Psychology, one-half to one year
- Cultural Anthropology, one-half to one year
- Sociology, one-half to one year
- Economics, one-half year

**Florida International University Program of Study:**

**JUNIOR YEAR**

<b>Fall Term</b>			<b>CREDITS</b>
DIN 300	ORIENTATION TO CLINICAL DIETETICS		2*
DIN 301	NUTRITION AND CULTURE		5
BSC 301	MEDICAL BIOCHEMISTRY		5
DIN 310	MEAL MANAGEMENT AND SERVICE		<u>5</u>
			17

**Winter Term**

DIN 320	MANAGEMENT OF DIETARY SYSTEMS		9*
BSC 372	HUMAN PHYSIOLOGY		5
	SCHOOL REQUIREMENTS		<u>3</u>
			17

**Spring Term**

DIN 330	NUTRITION IN HEALTH AND DISEASE		9*
BSC 310	GENERAL MICROBIOLOGY		5
	ADDITIONAL REQUIRED OR ELECTIVE COURSE**		<u>4</u>
			18

**SENIOR YEAR**

**Fall Term**

DIN 401	NUTRITION (II)		5
DIN 410	FOOD SCIENCE		5
DIN 440	CLINICAL AND COMMUNITY NUTRITION I		<u>6*</u>
			16

**Winter Term**

DIN 441	CLINICAL AND COMMUNITY NUTRITION II	9*
	STATISTICS AND/OR ELECTIVE COURSES	<u>9</u>
		18

**Spring Term**

DIN 450	SPECIAL PROBLEMS IN DIETETICS AND NUTRITION	3-9*
DIN 490	SEMINAR IN DIETETICS AND NUTRITION	3-9*

\*Indicates clinical component. Clinical experiences are supervised by course instructors. Clinical stations are in appropriate hospitals, health agencies, and school feeding programs.

\*\*Additional courses are to be chosen from courses to furnish needed competencies for specialty, such as Statistics, Communications, and Management.

## DIETETICS AND NUTRITION

### DIN 300 – ORIENTATION TO CLINICAL DIETETICS (2) (F)

Legal and ethical considerations necessary for the student dietitian in clinical experiences. Necessary educational and personal qualifications for specialization in dietetics.

### DIN 301 – NUTRITION AND CULTURE (5) (F)

Nutrients and their interrelationships in reference to food habits and needs of various population groups. Introduction to the impact of culture of nutriture and study of personal food pattern development.

### DIN 310 – MEAL MANAGEMENT AND SERVICE (5) (F)

Development of skills in basic techniques of purchasing, preparation and service of food for individuals and small groups. Includes laboratory and experiences in demonstration techniques. Prerequisite or corequisite: DIN 301.

### DIN 320 – MANAGEMENT OF DIETARY SYSTEMS (9) (W)

Emphasizes production, work organization, financial planning, and quality control in the preparation of food in quantity for different population groups to meet social and health needs. Prerequisite: DIN 301 and competency in management principles and food preparation.

### DIN 330 – NUTRITION IN HEALTH AND DISEASE (9) (S)

Techniques of adjusting nutrients and food intake to accommodate medical treatments and previous nutriture. Menu writing and analysis, translation of dietary prescriptions, techniques of dietary instruction, dietary histories. Prerequisite: DIN 320, Physiology and Biochemistry.

- DIN 401 – NUTRITION II (5) (F)**  
 Roles of nutrients in metabolic processes. Effects of excesses and deficiencies. Prerequisites: Organic Chemistry, Human Biology and DIN 301.
- DIN 410 – FOOD SCIENCE (5) (F)**  
 Physical and chemical changes in food occurring as a result of various methods of processing, preparation, and storage of foods. Legal control, economic considerations, nutrient contributions of mass-produced foods compared with foods prepared on-site. Prerequisites: Organic Chemistry, DIN 301, DIN 310.
- DIN 440 – CLINICAL AND COMMUNITY NUTRITION I (6) (F)**  
 Study of man in reference to all stages of the life cycle. Considerations made of the economic, social, and physical factors influencing the well, the acute, and the chronically ill. Use of communication skills in nutrition education and in work with other health professionals. Prerequisites: Biochemistry, Physiology, Microbiology and DIN 401.
- DIN 441 – CLINICAL AND COMMUNITY NUTRITION II (9) (W)**  
 Application of nutrition science to the needs and life style of population groups. Observation and participation in activities of health and social agencies. Study of research methods and data analysis. Prerequisite: DIN 440.
- DIN 450 – SPECIAL PROBLEMS IN DIETETICS AND NUTRITION (3 to 9)(S)**  
 In depth study of nutrition problems or dietetic service chosen in order to coincide with student's interest and career goals. Methods of nutrition investigation, data analysis, techniques of technical writing. Prerequisite: DIN 440.
- DIN 490 – SEMINAR IN DIETETICS AND NUTRITION (3 to 9) (S)**  
 Study of current dietetic and nutrition problems, and research findings. Prerequisite: DIN 440.
- DIN 500 – RECENT RESEARCH IN NUTRITION (5) (To Be Arranged)**  
 Updating of nutrition information. Study of current nutrition research and nutritional education. Prerequisite: One course in nutrition.
- DIN 503 – NUTRITION EDUCATION IN SCHOOL AND COMMUNITY (5) (To Be Arranged)**  
 Critical review of lay nutrition literature and nutrition information in the community, public schools and adult education programs. Development of teaching materials and methods which are scientifically accurate and suitable to the person or group to be taught. Prerequisite: DIN 500 or equivalent.

**DIN 530 – DIET IN DISEASE PREVENTION  
AND TREATMENT (5)**

**(To Be Arranged)**

Critical study of dietary treatment and regime, historical, current, and experimental. Prerequisite: DIN 330 or equivalent.

**Program of Study  
for  
HEALTH SCIENCE MAJORS**

The Health Science Program offers three tracks toward a major in Health Science: Health Science Management; Health Science Education; and Health Science General Studies.

**PREREQUISITES**

Open to students with an Associate of Science degree in the Allied Health field, an Associate of Arts (upon approval of the department) or the equivalent.

It is recommended that the student have experience in the following fields:

- Economics
- College Algebra
- Accounting
- Social Sciences
- Introduction to Statistics

**THE CORE**

- HSM 304 – HEALTH AND SOCIAL SERVICE DELIVERY SYSTEMS
- HSM 400 – MANAGEMENT FOR THE HEALTH PROFESSIONS
- HSM 401 – INFORMATION SYSTEMS

**Health Science/Management Track**

Managing the complex operations of a modern health care organization calls for the versatile skills of top-flight executives. Accordingly, the curriculum provides in-depth training in health services and business administration, with strong supporting courses and electives in the liberal arts and sciences.

The program leads to a Bachelor of Science Degree and a variety of career opportunities in community hospitals, university medical centers, state and federal health agencies, nursing homes, and voluntary health agencies.

The course of study is designed to prepare graduating students to begin their careers in health administration at the middle-management level. Some students, however, choose to go directly on to graduate studies in health administration.

**Required Courses (5 credits each)**

- HSM 304 – HEALTH & SOCIAL SERVICE DELIVERY SYSTEMS
- HSM 400 – MANAGEMENT FOR THE HEALTH PROFESSION
- HSM 401 – INFORMATION SYSTEMS
- HSM 480 – ISSUES & TRENDS IN THE HEALTH  
CARE DELIVERY

- MAN  
(HSM) 513 – MANAGEMENT ANALYSIS IN HEALTH  
CARE INSTITUTIONS
- MAN  
(HSM) 514 – HEALTH CARE SYSTEMS
- MAN 505 – PERSONNEL MANAGEMENT
- ACC  
(HSM) 516 – HEALTH CARE FINANCIAL &  
ACCOUNTING MANAGEMENT
- HSM 495 – LEGAL ASPECTS & LEGISLATION IN HEALTH CARE

#### **Electives**

Electives (45 credit hours) may be taken upon consultation in any department in the university. Courses in hospital administration, administration of long-care facilities, health information systems, and comprehensive health planning will be available.

#### **Health Science/Education Track**

This program is designed to meet the needs of students who desire little or no additional clinical courses but have expressed interest in becoming involved in educational processes within health care organizations. It is not the intent of this program to prepare people for certification as teachers.

#### **Required Courses**

- HSM 304 – HEALTH & SOCIAL SERVICE DELIVERY SYSTEMS
- HSM 400 – MANAGEMENT FOR THE HEALTH PROFESSION
- HSM 401 – INFORMATION SYSTEMS
- EDU 516 – INSTRUCTIONAL MEDIA (4)
- EVO 405 – INSTRUCTIONAL MEDIA FOR VOCATIONAL  
& TECHNICAL TEACHING (5)
- EVO 306 – COURSE PLANNING IN VOCATIONAL &  
TECHNICAL EDUCATION (5)
- EAD 519 – PROGRAM DEVELOPMENT IN ADULT EDUCATION:  
COMMUNITY SLANT INSTRUCTIONAL LEVEL

#### **Health Science/General Studies**

This option is designed to meet the needs of persons that have completed a two year professional program and desire little or no additional clinical training. It allows the student to mold his curriculum around specific career needs.

#### **Required Courses**

- HSM 304 – HEALTH & SOCIAL SERVICE DELIVERY SYSTEMS (5)
- HSM 400 – MANAGEMENT FOR THE HEALTH PROFESSION (5)
- HSM 401 – INFORMATION SYSTEMS (5)
- HSM 390 – INDIVIDUAL STUDY (10)

#### **Electives**

Electives (65 credit hours) may be taken with consent of advisor.

## HEALTH SCIENCE

### HSM 304 – HEALTH AND SOCIAL SERVICE DELIVERY SYSTEMS (5)

The health and social service delivery team is discussed; the Dade County health delivery system is analyzed and compared with other systems in the world; alternative models of delivery are conceptualized.

### HSM 400 – MANAGEMENT FOR THE HEALTH PROFESSIONS (5)

Fundamentals of management underlying the solution of problems of organization and operation of health programs.

### HSM 401 – INFORMATION SYSTEMS (5)

Fundamental concepts of statistics, research design and electrical data processing as it relates to health programs.

### HSM 480 – ISSUES AND TRENDS IN HEALTH CARE DELIVERY (5)

(F,W,S)

Course is open to all students at the University. Survey of important issues, trends and problems affecting health delivery in our country.

### HSM 481 – CONSUMER HEALTH AND SAFETY EDUCATION (5) (F,W,S)

Includes survey of the problems and products influencing the consumer of health services, and study of solutions to prevent and correct fraud.

### HSM 482 – HEALTH LEADERSHIP (2)

(S)

Course is designed for students in School of Health and Social Services. Study of health disciplines and their role in community health programs.

### HSM 483 – THE CONSUMER AND SERVICE SYSTEMS (5)

(F,W,S)

Every individual interacts with service organizations in the community, as a consumer of services or in other ways. (1) What are the philosophical assumptions behind operating policies? (2) How are these services organized, financed, managed? (3) How can the services be evaluated? (4) How can program change be accomplished? These questions will be examined for health, safety, social and consumer services, focusing on the individual's position and concerns.

### HSM 484 – FAMILY HEALTH CENTERS—AN OVERVIEW (3)

(S)

The family health center will be viewed as an entity within the health delivery system. It will be analyzed and evaluated as a functional unit with emphasis placed on humanistic approach to staffing and service patterns.

### HSM 495 – LEGAL ASPECTS AND LEGISLATION IN HEALTH CARE (5) (S)

A study of how the law affects health care in the public and private

sectors. The course is designed to aid professional and allied health personnel to identify legal issues and utilize preventive measures to avoid legal entanglements. Formal lectures and seminar participation will be utilized.

**MAN (HSM) 505 – PERSONNEL MANAGEMENT**

Attention is focused on the theory and practices of modern personnel management as related to other management functions. Topics include: selection, training, job and performance evaluation, and incentive schemes. Special attention is devoted to human resources management and development at various organizational levels.

**MAN (HSM) 513 – MANAGEMENT ANALYSIS IN HEALTH CARE INSTITUTIONS (5)**

Basic theory and problem solving techniques including various methods of collecting, analyzing, reporting, and using information that can be made available to administrators of hospitals and other health care institutions.

**MAN (HSM) 514 – HEALTH CARE SYSTEMS (5)**

Description of various health care administrative systems, discussion of various health care problems and programs. Quality of health care, group practice and prepayment programs.

**MAN (HSM) 515 – HEALTH PLANNING TECHNIQUES**

Basic health planning methods and procedures. Functions performed and special support techniques of hospital, medical public health, nursing homes, educational and similar associations. Prerequisites: One course of basic statistics, HSM 304.

**ACC (MAN-HSM) 516 – HEALTH CARE FINANCIAL AND ACCOUNTING MANAGEMENT**

Topics to be covered are: charts of accounts, financial reports, budgeting principles, planning and acquisitions, public and private prepayment and insurance programs. Capital requirements control. Prerequisites: one semester of accounting.

**MSM (HSM) 666 – PROBLEM SOLVING IN HEALTH MANAGEMENT (5) (W)**

An examination of the quantitative and behavioral management tools as applied to actual cases. This course is designed to equip the student with logical decision making techniques in solving management problems in health care facilities. Prerequisites HSM (400), HSM (401) or equivalent.

**Program of Study  
for  
MEDICAL TECHNOLOGY MAJORS**

Prepares responsible and competent professional medical technologists who are able to utilize scientific principles in the development, performance, evaluation, and control of laboratory tests used in patient management.



Graduates are eligible to apply for certification by the Registry of Medical Technologists of the American Society of Clinical Pathologists. After passing the Registry examination, the graduate may use the title MT (ASCP). A limited number of students can be accepted into the Medical Technology program each fall term. Admission to the program is a prerequisite for all MDT courses. Entrance to clinical practicum is subject to the approval of the affiliated health care agency.

### Lower Division Preparation:

As a part of the 90 quarter hours (60 semester hours) of lower division coursework necessary to enter this upper division major, the following recommendations and/or course requirements should be noted:

"Track A" – students are expected to have completed a medical laboratory technician program (MLT) in an accredited two or four-year institution of higher education, with completion of the Florida general education requirements.

"Track B" – students have had two years in an accredited institution with completion of the general education requirements. This is normally satisfied before receipt of the Associate in Arts degree.

Both Track A and Track B students must have completed General Chemistry and Principles of Biology. A course of college-level mathematics is also required. Highly recommended electives include: physics, organic chemistry, anatomy and physiology. Analytical chemistry and general microbiology must be taken at Florida International University.

## MEDICAL TECHNOLOGY COURSES TRACK "A" STUDENTS

### JUNIOR YEAR

Fall Term		CREDITS
CHE 301	ORGANIC CHEMISTRY	7
HSM 304	HEALTH AND SOCIAL SERVICE DELIVERY SYSTEMS	5
MDT 470	INTRODUCTION TO HOSPITAL LABORATORY ELECTIVES	2 5
Winter Term		
CHE 302	ORGANIC CHEMISTRY	7
BSC 310	MICROBIOLOGY	5
HSM 400	MANAGEMENT FOR THE HEALTH PROFESSIONS	3
MDT 471	LECTURES IN HEMATOLOGY	2
Spring Term		
BSC 446	IMMUNOCHEMISTRY AND IMMUNOBIOLOGY	5
CHE 312	QUANTITATIVE ANALYSIS	5
MDT 472	LECTURES IN SEROLOGY AND BLOOD BANKING	2
MDT 473	LECTURES IN CLINICAL MICROBIOLOGY	2

<b>Summer Term</b>			
MDT 474	LECTURES IN CLINICAL CHEMISTRY		2

\*All terms, Junior Year, Proficiency Testing in MDT 400-4, Training Laboratory.

### SENIOR YEAR

<b>Fall Term</b>			
MDT 375	PARASITOLOGY		3
PSY	PHYSICS (To Be Arranged)		TBA
MDT 450	PRACTICUM (To Be Arranged)		TBA
MDT 475	ADVANCED HEMATOLOGY AND BLOOD BANKING		2
	ELECTIVES		5
<b>Winter Term</b>			
PHY	PHYSICS (To Be Arranged)		TBA
MDT 450	PRACTICUM (To Be Arranged)		TBA
MDT 476	ADVANCED MICROBIOLOGY		2
	ELECTIVES		5
<b>Spring Term</b>			
HSM 401	INFORMATION SYSTEMS		5
MDT 450	PRACTICUM (To Be Arranged)		TBA
MDT 477	SPECIAL CHEMISTRY		2
MDT 553	SEMINAR		1
	ELECTIVES		5

## MEDICAL TECHNOLOGY COURSES TRACK "B" STUDENTS

### JUNIOR YEAR

			<b>CREDITS</b>
<b>Fall Term</b>			
CHE	CHEMISTRY (To Be Arranged)		TBA
HSM 304	HEALTH DELIVERY SYSTEMS		5
MDT 400	TRAINING LABORATORY		3
MDT 470	INTRODUCTION TO HOSPITAL LABORATORY		2
<b>Winter Term</b>			
CHE	CHEMISTRY (To Be Arranged)		TBA
BSC 310	MICROBIOLOGY		7
MDT 401	TRAINING LABORATORY		4
MDT 471	LECTURES IN HEMATOLOGY		2
<b>Spring Term</b>			
BSC 446	IMMUNOCHEMISTRY AND IMMUNOBIOLOGY		5
MDT 402	TRAINING LABORATORY		2
MDT 403	TRAINING LABORATORY		3
MDT 472	LECTURES IN SEROLOGY AND BLOOD BANKING		2
MDT 473	LECTURES IN CLINICAL MICROBIOLOGY		2

**Summer Term**

MDT 404	TRAINING LABORATORY	5
MDT 474	LECTURES IN CLINICAL CHEMISTRY	2
MDT 450	PRACTICUM (To Be Arranged)	TBA

**SENIOR YEAR****Fall Term**

MDT 375	PARASITOLOGY	3
HSM 400	MANAGEMENT FOR THE HEALTH PROFESSIONS	5
MDT 450	PRACTICUM (To Be Arranged)	TBA
MDT 475	ADVANCED HEMATOLOGY AND BLOOD BANKING	2

**Winter Term**

MDT 450	PRACTICUM (To Be Arranged)	TBA
MDT 476	ADVANCED MICROBIOLOGY	2
HSM 401	INFORMATION SYSTEMS	5
	ELECTIVES	5

**Spring Term**

MDT 450	PRACTICUM (To Be Arranged)	TBA
MDT 477	SPECIAL CHEMISTRY	2
MDT 553	SEMINAR	1
	ELECTIVES	5

**MEDICAL TECHNOLOGY**

**MDT 375 – PARASITOLOGY (3) (F)**  
 Classification, morphology, and life cycles of medically significant parasites. Emphasis on epidemiology, pathogenesis, symptomology, and control. Lecture and laboratory.

**MDT 400 – TRAINING LABORATORY (3) (W)**  
 Medical laboratory techniques. Required course. Proficiency tests may be substituted.

**MDT 401 – TRAINING LABORATORY (4) (W)**  
 Laboratory practice in hematology, hemoglobinometry, urinalysis, coagulation. Required course. Proficiency tests may be substituted.

**MDT 402 – TRAINING LABORATORY (2) (S)**  
 Practice in basic serological techniques. Laboratory practice in blood grouping, recognition and identification of irregular antibodies, and compatibility testing. Required course. Proficiency tests may be substituted.

**MDT 403 – TRAINING LABORATORY (3) (S)**  
 Laboratory practice in preparation, choice, and use of media for isolation and identification of frequently encountered human pathogenic bacteria. Recognition of normal flora. Use of bacteriological stains. Practice in isolation of anaerobes. Mycological techniques. Required course. Proficiency tests may be substituted.

- MDT 404 – TRAINING LABORATORY (5) (S)**  
 Laboratory practice in manual techniques, solutions and reagents, spectrophotometry, quality control. Required course. Proficiency tests may be substituted.
- MDT 450 – PRACTICUM (10-30) (F,W,S,SS)**  
 Hospital laboratory experience. Hours and credits individually arranged. Required course.
- MDT 470 – INTRODUCTION TO HOSPITAL LABORATORY (3) (F)**  
 Lecture. Medical ethics. Role of medical technologist in health care delivery. Required course.
- MDT 471 – LECTURES IN HEMATOLOGY (2) (W)**  
 Theory and pathology of hematology, blood coagulation, and discussion of urinary findings in health and disease. Required course.
- MDT 472 – LECTURES IN SEROLOGY AND BLOOD BANKING (2) (S)**  
 Theory of seriological and immunological tests performed in MDT 402. Medical background of patients for whom these tests are indicated. Description of Blood Bank and Transfusion Service operation. Required of all Medical Technology students.
- MDT 473 – LECTURES IN CLINICAL MICROBIOLOGY (2) (S)**  
 Microbial agents of disease. Action of anti-microbials. Medical aspects of infections by bacterial pathogens. Diseases caused by streptomycetes and fungi. Mycology of the dermatophytes. Required of all students.
- MDT 474 – LECTURES IN CLINICAL CHEMISTRY (2) (SS)**  
 Biochemical tests used in diagnosis and treatment of metabolic disorders. Carbohydrate and protein metabolism, acid-base balance, enzymes, testing for organ function. Required.
- MDT 475 – ADVANCED HEMATOLOGY AND BLOOD BANKING (2) (F)**  
 Lectures. Advanced topics in hematology. Operation of blood banks. Advanced immunological procedures. Required.
- MDT 476 – ADVANCED MICROBIOLOGY (2) (W)**  
 Lectures. Advanced topics in microbiology, serology. Medical virology. Required.
- MDT 477 – SPECIAL CHEMISTRY (2) (S)**  
 Lectures. Specialized techniques. Steroid chemistry. Advanced immunological techniques. Fluorescent antibody studies. Required.
- MDT 500 – INDIVIDUAL STUDY (2-5) (To Be Arranged)**  
 Topic, hours and credits arranged with consent of advisor.

**MDT 525 – STUDENT PROJECT (Variable)** (To Be Arranged)  
 Topic, hours and credit to be arranged. Consent of advisor and medical director.

**MDT 553 – SEMINAR (1)** (S)  
 Integration of material from MDT courses. Discussion, problem solving. Recent developments in the medical laboratory field. Required.

**Program of Study  
 for  
 NURSING MAJORS**

Prepares the Registered Nurse both academically and clinically to expand her nursing role through emphasis on professional commitment, community involvement, and preventive health care. Admission to the program of studies leading to the baccalaureate degree is open to individuals currently licensed as registered nurses.

**Lower Division Preparation:**

As a part of the 90 quarter hours (60 semester hours) of lower division coursework necessary to enter this upper division major, the following recommendations and/or course requirements should be noted.

**Prerequisites:** Students are expected to have graduated from either a diploma school of nursing or Community College school of nursing, and have been licensed as a Registered Nurse. Validating examinations may be given.

The courses contained herein are provisional and subject to change, and therefore do not constitute an agreement between the School and the student. The student should see his program advisor.

A Sample Program of Study: (These courses are not necessarily sequential. Check course listings each quarter for course offerings.)

<b>JUNIOR YEAR</b>			<b>CREDITS</b>
<b>Fall Term</b>			
NUR 301	NURSING IN AN EVOLVING HEALTH DELIVERY SYSTEM (Nursing Elective)		5
	ELECTIVES		10
<b>Winter Term</b>			
HSM 400	MANAGEMENT FOR THE HEALTH PROFESSIONS		5
	ELECTIVES		10
<b>Spring Term</b>			
HSM 304	HEALTH & SOCIAL SERVICE DELIVERY SYSTEMS		5
NUR 400	COMMUNITY HEALTH NURSING		10

## SENIOR YEAR

<b>Fall Term</b>		
NUR 300	ACUTE AND LONG TERM NURSING CARE	10
HSM 401	INFORMATION SYSTEMS	5
<b>Winter Term</b>		
NUR 401	INDIVIDUAL STUDY	5-10
	ELECTIVES	5-10
<b>Spring Term</b>		
NUR 402	NURSING LEADERSHIP	5
	ELECTIVES	10

## NURSING

### **NUR 300 – ACUTE AND LONG-TERM NURSING CARE (10)**

**(To Be Arranged)**

Study of acute and long-term care nursing concepts in patient facilities. Includes seminars and practicums in medical-surgical, psychiatric, maternal and infant care, pediatric and/or gerontological nursing. (Limited enrollment. Faculty permission required.)

### **NUR 301 – NURSING IN AN EVOLVING HEALTH DELIVERY SYSTEM (5)**

**(To Be Arranged)**

Analysis of issues and trends in the health care system and their impact on nursing practice, delivery of nursing services and nursing education. (Nursing elective. May be substituted for 5 credits of NUR 401.)

### **NUR 400 – COMMUNITY HEALTH NURSING (10)**

**(To Be Arranged)**

Study of community health nursing, including public health, mental health, and family centered care. Includes presentations, discussions, and practicums in ambulatory care settings. (Limited enrollment. Faculty permission required.)

### **NUR 401 – INDIVIDUAL STUDY (5-10)**

**(To Be Arranged)**

The student is provided with an opportunity to specialize in a nursing area of special interest. Includes seminars, search of literature, research and practicum. Student may elect to define a nursing problem, design, and carry out a project. (Faculty permission required.)

### **NUR 402 – NURSING LEADERSHIP (5)**

**(To Be Arranged)**

Course provides vehicle for student to apply social, physical, behavioral and biological concepts to theories of nursing care. Includes ethical and legal concepts of nursing care, interdisciplinary factors and community responsibilities.

**NUR 500 – INDIVIDUAL STUDY (5)****(To Be Arranged)**

The student is provided with an opportunity to specialize in a nursing area of special interest. Includes seminars, search of literature, research and practicum. Student may elect to define a nursing problem, design, and carry out a project. (Faculty permission required.)

**Program of Study  
for  
OCCUPATIONAL THERAPY MAJORS**

Occupational therapy is the art and science of directing man's participation in selected tasks to restore, reinforce and enhance performance, facilitate learning of those skills and functions essential for adaptation and productivity, diminish or correct pathology, and promote and maintain health. Since the primary focus of occupational therapy is the development of adaptive skills and performance capacity, its concern is with factors which serve as barriers or impediments to the individual's ability to function, as well as those factors which promote, influence or enhance performance.

Occupational therapy serves a wide population in a variety of settings such as hospitals and clinics, rehabilitation facilities, long-term care facilities, extended care facilities, sheltered workshops, and community agencies.

**REQUIREMENTS FOR ADMISSION**

In addition to meeting the requirements for admission to the University, the applicant must qualify for admission to the occupational therapy program. Because this is a medically allied program, applicants are expected to present evidence of general physical fitness and emotional stability. A personal interview is required.

**Prerequisites include:**

Biology	1 quarter
Chemistry	1 quarter
Sociology	1 quarter
Basic Design	1 quarter
Zoology	1 quarter
Psychology	2 quarters
Mathematics	1 quarter

**CURRICULUM IN OCCUPATIONAL THERAPY\***

**Summer Quarter**

OCT 360 BIOLOGICAL STRUCTURES

**CREDITS**

15

\*The Occupational Therapy curriculum is in the process of development and should not be considered as the final draft.

## JUNIOR YEAR

### First Quarter

OCT	361	HUMAN PHYSIOLOGY	5
OCT	310	WOODWORKING	5
OCT	363	KINESIOLOGY I	5
OCT	300	INTRODUCTION TO OCCUPATIONAL THERAPY	<u>2</u>
			17

### Second Quarter

OCT	362	NEUROPHYSIOLOGY	5
OCT	364	KINESIOLOGY II	3
PSY	422	ABNORMAL PSYCHOLOGY	5
OCT	315	THERAPEUTIC CRAFTS I	<u>3</u>
			16

### Third Quarter

OCT	316	THERAPEUTIC CRAFTS II	3
OCT	320	CLINICAL MEDICINE I	5
OCT	350	DISABILITY EVALUATION I	5
OCT	340	DEVELOPMENTAL THEORY	<u>5</u>
			18

## SENIOR YEAR

### First Quarter

OCT	421	CLINICAL MEDICINE II	5
PSY	417	GROUP DYNAMICS	5
OCT	430	CLINICAL SCIENCE I	5
FIA	365	CERAMICS	<u>3</u>
			18

### Second Quarter

OCT	422	CLINICAL MEDICINE III	2
HSM	401	INFORMATION SYSTEMS	5
OCT	431	CLINICAL SCIENCE II	5
OCT	470	PRE-VOCATIONAL OCCUPATIONAL THERAPY	3
OCT	450	PSYCHO-SOCIAL ASPECTS OF ILLNESS	<u>3</u>
			18

### Third Quarter

OCT	410	ORGANIZATIONAL MANAGEMENT AND ADMINISTRATION	5
OCT	432	CLINICAL SCIENCE III	5
OCT	440	REHABILITATION SEMINAR ELECTIVE	3
			<u>5</u>
			18

The Curriculum also includes a minimum of six months of clinical affiliation.



## OCCUPATIONAL THERAPY

- OCT 300 – INTRODUCTION TO OCCUPATIONAL THERAPY (2) (F)**  
History and development of the profession. Philosophy of treatment.
- OCT 310 – TECHNOLOGY FOR OCCUPATIONAL THERAPY (5) (F)**  
Use and care of both hand tools and power tools.
- OCT 315 – THERAPEUTIC CRAFTS I (3) (W)**  
The study of weaving as a therapeutic modality. Includes the building of loom adaptations.
- OCT 316 – THERAPEUTIC CRAFTS II (3) (S)**  
The study of minor crafts as therapeutic modalities.
- OCT 320 – CLINICAL MEDICINE I (5) (F)**  
The study of general medical and surgical conditions and pediatrics. Includes pathology, evaluation procedures, and treatment procedures.
- OCT 340 – DEVELOPMENTAL THEORY (5) (F)**  
The use of developmental theory in occupational therapy practice.
- OCT 350 – DISABILITY EVALUATION I (5) (S)**  
Includes tests and measurements used to assess the degree of disability. Lecture and laboratory. Prerequisites: Anatomy and Physiology.
- OCT 360 – BIOLOGICAL STRUCTURES (15) (S)**  
The study of human anatomy and neuro-anatomy. Function and relationship of the various structures of the human body. Lecture and laboratory.
- OCT 361 – HUMAN PHYSIOLOGY (5) (F)**  
The principles of physiology and detailed study of organ systems and cell types. Lecture and laboratory.
- OCT 362 – NEUROPHYSIOLOGY (5) (F)**  
A study of the central nervous system with emphasis on functional relationships.
- OCT 363 – KINESIOLOGY I (5) (F)**  
Application of knowledge of gross anatomy to mechanics of body movement. Application of neurophysiological principles in human motion. Analysis of skills used in daily activities.
- OCT 364 – KINESIOLOGY II (3) (W)**  
Advanced study of neuro-muscular systems as applied to body movement. Prerequisite: Kinesiology I.

- OCT 410 – ORGANIZATIONAL MANAGEMENT AND ADMINISTRATION (5) (S)**  
Administration procedures in planning and operating an occupational therapy treatment program.
- OCT 421 – CLINICAL MEDICINE II (5) (F)**  
The study of orthopedic and neurological conditions and surgical techniques.
- OCT 422 – CLINICAL MEDICINE III (2) (W)**  
Covers historical psychiatric concepts with emphasis on current treatment philosophies.
- OCT 430 – CLINICAL SCIENCE I (5) (F)**  
The study of psychiatric occupational therapy. Includes analysis of therapeutic modalities as related to behavioral problems.
- OCT 431 – CLINICAL SCIENCE II (5) (W)**  
The study of occupational therapy as related to physical disabilities. Development and status of current treatment techniques. Lecture and laboratory.
- OCT 432 – CLINICAL SCIENCE III (5) (S)**  
Includes activities of daily living and homemaking for the disabled. The use and building of splints and adaptive equipment.
- OCT 440 – REHABILITATION SEMINAR (3) (S)**  
Research in occupational therapy and related medical fields.
- OCT 450 – PSYCHO-SOCIAL ASPECTS OF ILLNESS (3) (W)**  
The psychological aspects of illness and the relationship of social and cultural factors in the rehabilitative process.
- OCT 470 – PRE-VOCATIONAL OCCUPATIONAL THERAPY (3) (W)**  
The study of man at work. Neuro-muscular analysis of work requirements. Emphasis is on the employment potential of the handicapped.

**Program of Study  
for  
PHYSICAL THERAPY MAJORS\***

Physical Therapy is a profession which develops, coordinates and utilizes selected knowledge and skill in planning, organizing and directing programs for the care of individuals whose ability to function is impaired or threatened by

\*Offerings in Physical Therapy will be dependent on the ability of the University to acquire facilities to support the anatomy aspects of the program.

disease or injury. Physical therapy focuses primarily on those individuals whose potential or actual impairment is related to neuromusculoskeletal, pulmonary and cardiovascular systems; on methods of evaluating the functions of these systems; and on the selection and application of appropriate therapeutic procedures to maintain, improve or restore these functions.

Physical therapy incorporates a broad spectrum of activities such as direct patient care, consultation, supervision, teaching, administration, research and community service. It also accepts responsibility for education at many levels, recruitment of personnel, professional and ethical standards of practice, and for the welfare of patients and its own members.

**Procedures For Admission:**

In addition to meeting the general requirements for admission to the University, the applicant must also apply for admission to the physical therapy program. Admission will be determined by the Physical Therapy Committee.

All students are required to have completed at least two quarters of science course work with laboratory with grades of C or better.

**Prerequisites:**

- Biology
- Chemistry
- Mathematics
- Physics
- Introduction to Psychology
- Child Development

The committee will stress a high level achievement in the science courses.

**CURRICULUM IN PHYSICAL THERAPY**

<b>Summer Quarter</b>		<b>CREDITS</b>
PHT 332	BIOLOGICAL STRUCTURES	15
<b>JUNIOR YEAR</b>		
<b>First Quarter</b>		
PHT 350	HUMAN PHYSIOLOGY	5
PHT 301	PRINCIPLE OF PHYSICAL THERAPY AND PATIENT CARE I	5
PHT 310	KINESIOLOGY I	3
PHT 300	FOUNDATION FOR PHYSICAL THERAPY	<u>4</u>
		17
<b>Second Quarter</b>		
PHT 311	KINESIOLOGY II	3
PHT 351	NEURO PHYSIOLOGY	5
PHT 302	PRINCIPLE OF PHYSICAL THERAPY AND PATIENT CARE II	5
PSY 417	GROUP DYNAMICS	<u>5</u>
		18

**Third Quarter**

PHT 320	DISABILITY EVALUATION	1-5
PHT 303	PRINCIPLE OF PHYSICAL THERAPY AND PATIENT CARE III	5
PHT 340	CLINICAL SCIENCE I	1
PHT 370	DEVELOPMENTAL THEORY	5
PHT 360	CLINICAL MEDICINE I (G.M.S. – Pediatrics)	5
PHT 315	ADVANCED KINESIOLOGY (optional)	1-5
		<u>17</u>

**SENIOR YEAR****First Quarter**

PHT 461	CLINICAL MEDICINE II (Ortho-Neuro-Surgery)	5
PHT 441	CLINICAL SCIENCE II	3
PHT 404	PRINCIPLES OF PHYSICAL THERAPY AND PATIENT CARE IV	5
PHT 450	SEMINAR I (Systems of Scientific Inquiry)	3
PHT 415	ADVANCED KINESIOLOGY (optional)	1-5
	INDEPENDENT STUDY	1-5
		<u>17</u>

**Second Quarter**

HSM 401	INFORMATION SYSTEMS	5
PHT 451	SEMINAR II	3
PHT 430	BIOSTATISTICS	3
PHT 470	CLINICAL EDUCATION I INDIVIDUAL STUDY	5
		1-5
		<u>17</u>

**Third Quarter**

PHT 472	PSYCHO-SOCIAL ASPECTS OF ILLNESS	5
PHT 480	ORGANIZATION MANAGEMENT AND ADMINISTRATION	5
PHT 471	CLINICAL EDUCATION II INDIVIDUAL STUDY	5
		1-5
		<u>16</u>

**Summer Quarter**

PHT 490	INTERNSHIP	20
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**PHYSICAL THERAPY**

**PHT 300 – FOUNDATION FOR PHYSICAL THERAPY (4) (F)**  
Lectures, discussions and field trips will introduce the scope of the

health care system. The student will learn the concept of Physical Therapy as a helping profession, and will study the role of the Physical Therapist in the health care system.

**PHT 301 – PRINCIPLE OF PHYSICAL THERAPY AND PATIENT CARE I (5) (F)**

Lectures, discussions and field trips dealing with the physiological basis for the therapeutic use of heat and cold, massage, sound, light and electricity, the anatomical and the physiological basis for Physical Therapy procedures utilizing therapeutic exercise and other Physical Therapy techniques in patient care.

**PHT 302 – PRINCIPLE OF PHYSICAL THERAPY AND PATIENT CARE II (5) (W)**

Continuation of Principle of Physical Therapy and Patient Care I with emphasis on techniques in the application of Physical Therapy in Patient Care. Functional activities, casts and traction, prosthetics and orthotics will also be covered.

**PHT 303 – PRINCIPLE OF PHYSICAL THERAPY AND PATIENT CARE III (5) (S)**

Lectures, discussions and field trips will provide the settings for the students to study and develop the evaluation and planning process for therapeutic programs.

**PHT 310 – KINESIOLOGY I (3) (F)**

Application of knowledge to gross anatomy of skeletal and muscular systems to mechanics of bodily movement and application of neurophysiological principles to human motion. Analysis of skills used in daily activity.

**PHT 311 – KINESIOLOGY (3) (W)**

Advanced application of knowledge of gross anatomy of skeletal and muscular systems to mechanics of bodily movement and application of neurophysiological principles to human motion. Analysis of skills used in daily activity.

**PHT 320 – DIABILITY EVALUATION (3) (F)**

Includes several test procedures to measure progress towards independence. Range of motion, strength and coordination, vascular and nervous system dysfunction testing, with and without premedication, activities of daily living testing. Theory, procedure and interpretation.

**PHT 332 – BIOLOGICAL STRUCTURES (15) (SS)**

Conferences and supervised dissection of human cadavers will form the basic mechanism for the study of the function and relationship of the various structures of the human body. Neuromusculoskeletal and cardiovascular systems will be emphasized in the course.

- PHT 340 – CLINICAL SCIENCE I (1)** (S)  
 An introduction to the patient care settings in the community. Integration and application of therapeutic and scientific principles to the beginning patient-therapist relationship, abilities and interdisciplinary communication.
- PHT 350 – HUMAN PHYSIOLOGY (5)** (F)  
 Lectures and laboratory dealing with the principles of physiology and detailed study of organ systems and cell types. Prerequisites of one year of: Zoology or Biology, Chemistry.
- PHT 351 – NEUROPHYSIOLOGY (5)** (W)  
 A study of the central nervous system with emphasis on functional relationships. Also studied are common neurological conditions. The basis of integration, excitatory and suppressor mechanisms, motor-sensory interactions, postural and spatial orientation and motor performances are included.
- PHT 360 – CLINICAL MEDICINE I (5)** (S)  
 The study of general medical and surgical conditions and pediatrics. Includes pathology, evaluation procedures, and treatment procedures.
- PHT 370 – DEVELOPMENTAL THEORY (5)** (S)  
 The use of developmental theory in Physical Therapy practice.
- PHT 404 – PRINCIPLES OF PHYSICAL THERAPY  
 AND PATIENT CARE IV (5)** (F)  
 Advanced study of therapeutic modalities related to pathological systemmetology.
- PHT 430 – BIOSTATISTICS (3)** (W)  
 A basis course in statistical methods applied to the study of health programs in the health care system.
- PHT 441 – CLINICAL SCIENCE II (3)** (F)  
 Continuation of Clinical Science I. Emphasis is on principles and techniques therapeutic procedures and the role of the physical therapist, with supervised clinical experience in various physical therapy departments in the community.
- PHT 450 – SEMINAR I (3)** (F)  
 Selected readings and discussions of current developments in the field of Physical Therapy developing systems of scientific inquiry.
- PHT 451 – SEMINAR II (3)** (W)  
 Selected readings and discussions of current developments in the field of Physical Therapy developing systems of scientific inquiry.

- PHT 461 – CLINICAL MEDICINE II (5)** (F)  
The study of orthopedic and neurological conditions and surgical techniques.
- PHT 470 – CLINICAL EDUCATION I (5)** (W)  
Field experiences that provide increasing degrees of responsibility in the health care process with emphasis on the interdisciplinary approach.
- PHT 471 – CLINICAL EDUCATION II (5)** (S)  
Field experiences that provide increasing degrees of responsibility in the health care process with emphasis on the interdisciplinary approach.
- PHT 472 – PSYCHO-SOCIAL ASPECTS OF ILLNESS (5)** (S)  
The psychological aspects of illness and the relationship of social and cultural factors in the rehabilitative process.
- PHT 480 – ORGANIZATION, MANAGEMENT AND ADMINISTRATION (5)** (S)  
Fundamentals of management underlying the solution of problems in the organization of operation health programs, community problems and trends in the present practice and future development of Physical Therapy.
- PHT 490 – INTERNSHIP (20)** (SS)  
Students will spend eight hours daily in selected communities and physical therapy departments to participate in patient evaluation, treatment, planning and application. Students will be involved in Physical Therapy Department administration and other professional experiences related to the health care process.

### Program of Study for SOCIAL WORK MAJORS

The goals of the Florida International Social Work program are to offer an integrated educational experience which combines the theoretical and practical to prepare students for:

1. Direct Social Work practice.
2. Entrance into graduate work.
3. Participation in the society as informed citizens though their primary professional interests be elsewhere.

#### **Lower Division Preparation:**

As a part of the 90 quarter hours (60 semester hours) of lower division coursework necessary to enter this upper division major, the following recommendations and/or course requirements should be noted.

**Required Courses:** Prerequisite for acceptance into the Social Work program is the Associate Arts degree from a Social Science stream of a pre-Social Work program. Equivalent work from a four-year institution will also be acceptable. Students not meeting this requirement may be accepted for admission and an individualized program of study designed in consultation with the Dean of the School of Health and Social Services.

**Recommended Courses:** An equivalent course to PSY 306, Human Growth and Development (Junior year, fall term below) may be offered in the Community College and students are urged to take it before entering Florida International.

### Florida International University Program of Study

<b>JUNIOR YEAR</b>			<b>CREDIT</b>
<b>Fall Term</b>			
SOW 301	HISTORICAL AND PHILOSOPHICAL PERSPECTIVES OF SOCIAL WELFARE SERVICES		5
SOW 302	CONTEMPORARY ISSUES AND PROBLEMS IN SOCIAL WELFARE POLICY		5
ANT 403	ANTHROPOLOGICAL APPROACHES TO CULTURAL MINORITIES		5
PSY 307	HUMAN GROWTH AND DEVELOPMENT*		5
<b>Winter Term</b>			
SOW 305	DYNAMICS OF HUMAN BEHAVIOR AND SOCIAL ENVIRONMENT		5
SOW 306	SELF-AWARENESS, SELF-MODIFICATION AND SERVICE		5
HSM 304	HEALTH AND SOCIAL SERVICE DELIVERY SYSTEMS		5
<b>Spring Term</b>			
SOW 307	SOCIAL WORK PRACTICE SKILLS		5
SOW 308	FIELD EXPERIENCE I		10
<b>SENIOR YEAR</b>			
<b>Fall Term</b>			
SOW 401	METHODS OF COMMUNITY RESEARCH		5
SOW 419	FIELD EXPERIENCE II**		10
<b>Winter Term</b>			
	Three Electives		15
<b>Spring Term</b>			
SOW 429	SENIOR PROJECT		15

\*Required only if not satisfactorily completed at the Community College level.

\*\*The student in consultation with a school advisor will opt to complete his second field experience the first or second quarter of his senior year.



## SOCIAL WORK

**SOW 301 – HISTORICAL AND PHILOSOPHICAL PERSPECTIVE  
OF SOCIAL WORK (5) (F,W,S)**

A survey of the histo-cultural development and ideological basis of present public and private social services.

**SOW 302 – CONTEMPORARY ISSUES AND PROBLEMS IN SOCIAL  
WELFARE POLICY (5) (F,W,S)**

This course is designed to enable the student to identify urgent issues and problems in social institutions and in social technology so that he can conceptualize them as problems for policy making in the public sector. Emphasis is placed upon problem identification and policy formulation.

**SOW 305 – DYNAMICS OF HUMAN BEHAVIOR AND  
SOCIAL ENVIRONMENT (5) (F,W,S)**

This course is designed to help the student acquire knowledge regarding the emergence, adaptation and realization of individual potential in life. Emphasis will be placed on selected stress situations both in the internal and external milieu of the individual, with implications for service intervention.

**SOW 306 – SELF-AWARENESS, SELF-MODIFICATION  
AND SERVICE (5) (F,W,S)**

A variety of human relations techniques are used to allow the student to discover how others perceive him, to identify his own value orientations in relationship to others, and to apply the implications of these self-realizations to his interactions with others as social workers.

**SOW 307 – SOCIAL WORK PRACTICE SKILLS (5) (F,W,S)**

Development of skills in problem identification, strategy selections, implementation of various approaches and evaluation of effectiveness.

**SOW 308 – FIELD EXPERIENCE I (10) (F,W,S)**

Supervised work experience in social service agencies. Coordinating seminars involve students, professors, the school's field co-ordinator and field instructors.

**SOW 401 – METHODS OF COMMUNITY RESEARCH (5) (F,W,S)**

Introduction to research design, analysis, evaluation and data collection techniques. Each student will isolate a specific community problem area in South Florida and apply the appropriate techniques that will allow a critical evaluation of the situation.

**SOW 419 – FIELD EXPERIENCE II (10) (F,W,S)**

Supervised work experience in a community development project. Co-ordinating seminars involve students, professors, the school's field co-ordinator and field instructors.

- SOW 429 – SENIOR PROJECT (Variable) (F,W,S)**  
Under the direction of an individual from the University or community (chosen in consultation with the student's school advisor), the student will undertake to integrate an in-depth and functionally independent exploration of a problem area in which he wishes to gain a degree of expertise.
- SOW 495 – INDIVIDUAL STUDY (Variable) (F,W,S)**  
Individually selected program of supervised personal study related to specific social issues.
- SOW 496 – DIRECTED READINGS (Variable) (F,W,S)**  
Extensive reading and analysis of appropriate literature under faculty supervision.
- SOW 500 – INDEPENDENT RESEARCH (Variable) (F,W,S)**  
Individually selected program of supervised group or personal study related to a specific social work issue. Normally the product will be a research paper suitable for publication.

# School of Hotel, Food and Travel Services



*Dean Gerald W. Lattin*

One may think of a career in the hospitality or "leisure industry" as just another opportunity in the business world. It is an opportunity — but a highly specialized one.

Innkeeping is many centuries old, but it is only in the last few decades that it has become highly complex in terms of the services and facilities required. Today, efficient and sophisticated management is vital, which in turn necessitates specialized training.

There are relatively few universities and colleges in the nation which provide comprehensive, advanced training in this field. Consequently, when Florida International was established, it was deemed essential that it should have a School of Hotel, Food and Travel Services.

The hospitality or leisure industry in South Florida is a continuing source of economic strength to the area and to the State. Adequately trained personnel to meet the growing demands of the industry are necessary if Florida is to continue as a leader among resort areas.

In addition to demands for qualified, professional managers in the state and national hospitality industry, international hotel management offers an ever increasing opportunity for professionally trained individuals. The School has developed a specialized program devoted to international hotel management. Within a few years it is visualized that Florida International University will be one of the major centers for international hotel management.

The student body already reflects the international aspect with 30 foreign countries represented. A number of countries have set up scholar-

ship programs to send their young men and women to Florida International for professional training.

Greater Miami is one of the world's largest and most modern hotel-motel-food-and-travel complexes, providing an easily-traveled bridge between theory and practice.

The philosophy of the School dictates that each student must combine practical experience with classroom theory to meet graduation requirements. With the cooperation of industry executives, the School has created an internship program which literally utilizes the hotels, motels, restaurants, clubs, airlines, travel agencies and cruise lines as practice laboratories for the students. The advanced phase of the internship program has been designed to provide each student a structured and closely supervised management experience normally not available to a student until he has entered the industry after graduation.

From its inception, the School's primary objective has been to be the most industry oriented school in the country. To achieve such a goal, one must have continuous and expert input from the industry itself.

An active Industry Advisory Board, whose roster includes outstanding executives in the hotel, food and travel industries, works regularly with the faculty, staff and students to formulate and update a curriculum that is current, flexible, and related to the needs of the industry.

Consistent with the philosophy of merging theory and practice, the faculty possesses both professional experience in the industry and strong academic credentials. In fact, several years of executive experience is a prerequisite to membership on the faculty.

### **Job Opportunities**

Our nation is now a service economy which means that the majority of employment opportunities will be service oriented. The food service area now ranks as the nation's fourth largest industry while hotels rank seventh. Combined, they enjoy a rank of third with projected growth to the number two position by 1975. The closely related field of travel and tourism is also in a period of rapid growth. These statistics add up to an obvious answer — **Job Opportunities.**

In the food service industry, the current demand for college trained middle and upper management personnel far exceeds the supply being trained in four-year college hotel and food service programs. The picture in hotel-motel management is very similar while the demand for college trained specialists in travel management accelerates each year.

Florida International University invites you to explore these opportunities, and offers you an educational program designed to provide you with the knowledge, concepts, skills and experience necessary to qualify for these opportunities.

### **Who May Apply**

Any student who has completed two years of college training (60 semester hours, 90 quarter hours) may apply for admission. Full credit will be granted for both AA and AS degrees. One may enroll on either a full-time or part-time basis.

It is not necessary to have been previously enrolled in a hotel or restaurant program. Our curriculum will provide the specialized professional education to

equip the student for a career in hospitality management. For example: students with training in Liberal Arts, Business, Education, Technology, to name a few, are qualified to enroll in the program.

**Special Students**

A number of persons currently employed in the hospitality field may not have the educational requirements to meet degree admission standards, but may be very interested in enrolling in certain specific courses to improve their skills and to enhance their chances for promotion. Any person currently employed in the field may register as a Special Student for a maximum of 10 credit hours per quarter.

**Program of Study  
for  
Majors in**

<p><b>GENERAL HOSPITALITY MANAGEMENT HOTEL/MOTEL MANAGEMENT</b></p>	<p><b>INTERNATIONAL HOTEL MANAGEMENT RESTAURANT AND FOOD SERVICE</b></p>
<p><b>TOURISM AND TRAVEL MANAGEMENT CONDOMINIUM, COOPERATIVE AND APARTMENT MANAGEMENT</b></p>	

**Lower Division Preparation:**

As a part of the 90 quarter hours (60 semester hours) of lower division coursework necessary to enter this upper division major, note the following recommendations and/or requirements:

**Required Courses:** Principles of Accounting is a prerequisite for taking coursework in the accounting and finance areas; however, candidates who have not taken this prerequisite will be required to take this course during their first year at the University.

**Recommended Courses:** Courses in accounting, economics, psychology, and public speaking are recommended but not required for entrance.

**Florida International University Generalized Program of Study:**

**GENERAL HOSPITALITY MANAGEMENT**

<b>Accounting and Finance</b>		<b>25 hours</b>
HRM 301	– HOSPITALITY ACCOUNTING AND MANAGEMENT INFORMATION SYSTEM	
HRM 302	– PROFIT PLANNING	
HRM 303	– INTERPRETATION OF HOTEL FINANCIAL DATA	
HRM 304	– PROFIT PLANNING	
HRM 305	– OPERATIONS CONTROL	
HRM 408	– FINANCIAL AND LEGAL ASPECTS OF REAL ESTATE DEVELOPMENT	

<b>Food and Beverage Management</b>	20 hours
HRM 310 – INTRODUCTORY COMMERCIAL FOOD SERVICE PRODUCTION	
HRM 311 – VOLUME FEEDING MANAGEMENT	
HRM 317 – BEVERAGE MANAGEMENT	
HRM 318 – BASIC MEAT SCIENCE	
<b>Hotel and Restaurant Administration</b>	25 hours
HRM 325 – LAW AS RELATED TO THE HOSPITALITY INDUSTRY	
HRM 328 – INTERNSHIP IN HOSPITALITY MANAGEMENT	
HRM 329 – ADVANCED INTERNSHIP IN HOSPITALITY MANAGEMENT	
HRM 331 – MARKETING OF HOSPITALITY SERVICES	
BUA 303 – SERVICE MARKETING MANAGEMENT (Taught by School of Business and Organizational Sciences)	
<b>Electives</b>	<u>30 hours</u>
	100 hours

### HOTEL/MOTEL MANAGEMENT

<b>Accounting and Finance</b>	25 hours
HRM 301 – HOSPITALITY ACCOUNTING AND MANAGEMENT INFORMATION SYSTEMS	
HRM 302 – PROFIT PLANNING	
HRM 303 – INTERPRETATION OF HOTEL FINANCIAL DATA	
HRM 305 – OPERATIONS CONTROL	
HRM 408 – FINANCIAL AND LEGAL ASPECTS OF REAL ESTATE DEVELOPMENT	
<b>Food and Beverage Management</b>	20 hours
HRM 310 – INTRODUCTORY COMMERCIAL FOOD SERVICE PRODUCTION	
HRM 311 – VOLUME FEEDING MANAGEMENT	
HRM 317 – BEVERAGE MANAGEMENT	
HRM 318 – BASIC MEAT SCIENCE	
<b>Administration</b>	30 hours
HRM 325 – LAW AS RELATED TO THE HOSPITALITY INDUSTRY	
HRM 328 – INTERNSHIP IN HOSPITALITY MANAGEMENT	
HRM 329 – ADVANCED INTERNSHIP IN HOSPITALITY MANAGEMENT	
HRM 331 – MARKETING OF HOSPITALITY SERVICES	
HRM 425 – UNION-MANAGEMENT RELATIONS IN THE HOSPITALITY INDUSTRY	
BUA 303 – SERVICE MARKETING MANAGEMENT (Taught by School of Business and Organizational Sciences)	
<b>Electives</b>	<u>25 hours</u>
	100 hours

## INTERNATIONAL HOTEL MANAGEMENT

<b>Accounting and Finance</b>	25 hours
HRM 301 – HOSPITALITY ACCOUNTING AND MANAGEMENT INFORMATION SYSTEMS	
HRM 302 – PROFIT PLANNING	
HRM 303 – INTERPRETATION OF HOTEL FINANCIAL DATA	
HRM 305 – OPERATIONS CONTROL	
HRM 408 – FINANCIAL AND LEGAL ASPECTS OF REAL ESTATE DEVELOPMENT	
<b>Food and Beverage Management</b>	15 hours
HRM 310 – INTRODUCTORY COMMERCIAL FOOD SERVICE PRODUCTION	
HRM 311 – VOLUME FEEDING MANAGEMENT	
HRM 317 – BEVERAGE MANAGEMENT	
<b>Hotel Administration</b>	30 hours
HRM 325 – LAW AS RELATED TO THE HOSPITALITY INDUSTRY	
HRM 328 – INTERNSHIP IN HOSPITALITY MANAGEMENT	
HRM 329 – ADVANCED INTERNSHIP IN HOSPITALITY MANAGEMENT	
HRM 331 – MARKETING OF HOSPITALITY SERVICES	
TTM 308 – INTERNATIONAL TRAVEL AND TOURISM	
BUA 303 – SERVICE MARKETING MANAGEMENT (Taught by School of Business and Organizational Sciences)	
<b>Electives</b>	<u>30 hours</u>
	100 hours

## RESTAURANT AND FOOD SERVICE

<b>Accounting and Finance</b>	20 hours
HRM 301 – HOSPITALITY ACCOUNTING AND MANAGEMENT SYSTEM	
HRM 302 – PROFIT PLANNING	
HRM 303 – INTERPRETATION OF HOTEL FINANCIAL DATA	
HRM 305 – OPERATIONS CONTROL	
<b>Food and Beverage Management</b>	30 hours
HRM 310 – INTRODUCTORY COMMERCIAL FOOD SERVICE PRODUCTION	
HRM 311 – VOLUME FEEDING MANAGEMENT	
HRM 316 – RESTAURANT MANAGEMENT	
HRM 317 – BEVERAGE MANAGEMENT	
HRM 318 – BASIC MEAT SCIENCE	
HRM 415 – PURCHASING AND MENU PLANNING	
<b>Restaurant and Food Service Administration</b>	30 hours
HRM 325 – LAW AS RELATED TO THE HOSPITALITY INDUSTRY	
HRM 328 – INTERNSHIP IN HOSPITALITY MANAGEMENT	

- HRM 329 -- ADVANCED INTERNSHIP IN  
HOSPITALITY MANAGEMENT
- HRM 331 -- MARKETING OF HOSPITALITY SERVICES
- HRM 425 -- UNION-MANAGEMENT RELATIONS IN THE  
HOSPITALITY INDUSTRY
- BUA 303 -- SERVICE MARKETING MANAGEMENT  
(Taught by School of Business and  
Organizational Sciences)

Electives

20 hours

100 hours

### TOURISM AND TRAVEL MANAGEMENT

#### Accounting and Finance

10 hours

- HRM 302 -- PROFIT PLANNING
- TTM 302 -- MANAGERIAL ACCOUNTING FOR TRAVEL AGENTS

#### Administration

22 hours

- HRM 325 -- LAW AS RELATED TO THE HOSPITALITY INDUSTRY
- HRM 326 -- INTRODUCTION TO HOSPITALITY MANAGEMENT
- HRM 331 -- MARKETING OF HOSPITALITY SERVICES
- HRM 425 -- UNION-MANAGEMENT RELATIONS IN THE  
HOSPITALITY INDUSTRY
- BUA 303 -- SERVICE MARKETING MANAGEMENT  
(Taught by School of Business and  
Organizational Sciences)

#### Travel and Tourism Management

35 hours

- TTM 301 -- FUNDAMENTALS OF TOURISM
- TTM 303 -- RETAIL-WHOLESALE AGENCY MANAGEMENT
- TTM 305 -- PASSENGER TRAFFIC MANAGEMENT
- TTM 308 -- INTERNATIONAL TRAVEL AND TOURISM
- TTM 309 -- INTERNSHIP IN TOURISM AND  
TRAVEL MANAGEMENT
- TTM 310 -- ADVANCED INTERNSHIP IN  
TRAVEL AND TOURISM MANAGEMENT
- HRM 332 -- ADVERTISING FOR THE  
HOSPITALITY INDUSTRY

Electives

30 hours

97 hours

### CONDOMINIUM, COOPERATIVE AND APARTMENT MANAGEMENT

#### Accounting and Finance

20 hours

- HRM 301 -- HOSPITALITY ACCOUNTING AND MANAGEMENT  
INFORMATION SYSTEM
- HRM 302 -- PROFIT PLANNING



- HRM 303 – INTERPRETATION OF HOTEL FINANCIAL DATA
- HRM 408 – FINANCIAL AND LEGAL ASPECTS OF REAL ESTATE DEVELOPMENT

**Administration**

25 hours

- HRM 325 – LAW AS RELATED TO THE HOSPITALITY INDUSTRY
- HRM 328 – INTERNSHIP IN HOSPITALITY MANAGEMENT
- HRM 329 – ADVANCED INTERNSHIP IN HOSPITALITY MANAGEMENT
- HRM 331 – MARKETING OF HOSPITALITY SERVICES

**Property Management**

20 hours

- HRM 340 – HOUSING AND FOOD SERVICE EQUIPMENT
- HRM 480 – CONDOMINIUM, COOPERATIVE AND APARTMENT MANAGEMENT
- HRM 481 – MARKETING AND SERVICING THE RESORT CONDOMINIUM, COOPERATIVE AND APARTMENT CONCEPTS
- HRM 482 – LANDLORD/TENANT LAW

**Electives**

35 hours

100 hours

**HRM 300 – ELEMENTARY ACCOUNTING (5) (F)**

Introduction to the principles of accounting to prepare the student for course work in advanced accounting and finance areas. The course is recommended for students who have not completed an elementary general accounting course.

**HRM 301 – HOSPITALITY ACCOUNTING AND MANAGEMENT INFORMATION SYSTEMS (5) (F)**

An introductory study of various financial statements and uniform systems applicable to the hospitality industry. The class is open to students who have completed an elementary general accounting course. Case problems are used. Students prepare income statements, balance sheets and supporting schedules. Various management information systems are analyzed and discussed. Various systems for generating and communicating of pertinent information to all levels of management for planning, directing and controlling are studied. Prerequisite: HRM 300 or equivalent.

**HRM 302 – PROFIT PLANNING (5) (W)**

Profit plans are designed to achieve maximum benefits from available resources over a specified period of time. This course deals with preparation and use of various profit planning techniques. Profit planning is presented as a process that includes three planning horizons: long-range, operating and achievement. Prerequisite: HRM 300 or equivalent.

**HRM 303 – INTERPRETATION OF HOTEL FINANCIAL DATA (5) (S)**

This course deals with the evaluation of the performance or condition of the various businesses within the hospitality industry. The subject is approached through an in-depth study of financial statements. The significant relationships between the various accounts found on the financial statement and other financial reports are discussed. These relationships are usually expressed as ratios which the students are taught to calculate and analyze. It is through ratio analysis that many operating statistics are brought into meaningful context.

**HRM 305 – OPERATIONS CONTROL (5) (F,W,S)**

A basic course in food and beverage control. The following areas are examined in detail: Purchasing, receiving, storing, issuing, preparation and portioning, preparation, service and sales. A cost-managing approach is used in the study of food and beverage controls. Case problems provide the students an opportunity to design control systems for various types of food and beverage operations. Emphasis is placed on food and beverage controls as a tool of management.

**HRM 310 – INTRODUCTORY COMMERCIAL FOOD SERVICE PRODUCTION (5) (F,W,S)**

Provides an introduction to commercial food preparation, nutrition, product identification and storage. Course includes classroom instruction, laboratory experience, demonstration and actual experience in a working food production facility.

**HRM 311 – VOLUME FEEDING MANAGEMENT (5) (W,S)**

Training in a large quantity food operation which offers both production and management experience. Students will plan menus, supervise preparation and service, handle customer relations and keep accurate records on the profit and loss phases of the operation. Staffing, merchandising and cost controls are integral parts of the course. Prerequisite: HRM 300 or equivalent.

**HRM 312 – IMPROVING YOUR EFFECTIVENESS AS A CONSUMER (3) (W)**

What information does the individual consumer need to deal more effectively for goods and services? Where and how is this information obtained? These questions will be dealt with in detail. Materials intended for the student's future reference will be used. The purpose of the course is to apply modern management methods to improve individual spending decisions.

**HRM 316 – RESTAURANT MANAGEMENT (5) (F,W,S)**

An analysis of the principal operating problems in the restaurant field. Procedures, approaches and techniques of management are explored and developed as they relate to the various categories of restaurants ranging from fast food to gourmet. Industry leaders will present successful concepts of restaurant operation.

- HRM 317 – BEVERAGE MANAGEMENT (5)** (F,W,S)  
 A systematic analysis of all phases of beverage operations including bar management, purchasing, controls, merchandising and training. Thorough training in the history and service of wines and other alcoholic beverages. On the job experience and observation in hotels and restaurants.
- HRM 318 – BASIC MEAT SCIENCE (5)** (F, W)  
 Fundamentals of meat quality, yield, utilization of cuts, availability, costing, buying, inventorying, packaging, labor and trends.
- HRM 325 – LAW AS RELATED TO THE  
 HOSPITALITY INDUSTRY (5)** (F,W)  
 A basic course in hotel, motel and restaurant law. No prerequisites. The student is introduced to the fundamental laws, rules and regulations applicable to the hospitality industry. The case study approach is used to develop an awareness and understanding of the legal problems confronting the executive in his policy and decision making role.
- HRM 326 – INTRODUCTION TO HOSPITALITY MANAGEMENT (2)** (F,S)  
 A survey course providing an overview of the industry, its history, problems and general operating procedures. Operating executives from the fields of hotel, restaurant, food service, travel and tourism will be featured periodically.
- HRM 328 – INTERNSHIP IN HOSPITALITY MANAGEMENT (5)** (F,W,S)  
 Experience in all the major departments of an operating hotel, motel, restaurant or food service operation. Reports are required of all students.
- HRM 329 – ADVANCED INTERNSHIP IN  
 HOSPITALITY MANAGEMENT (5)** (F,W,S)  
 Structured management experience in a selected division of an operating hotel, motel, restaurant or food service operation. Report required.
- HRM 331 – MARKETING OF HOSPITALITY SERVICES (5)** (F,W,S)  
 Application of marketing principles to business operations within the hospitality industry with particular emphasis on viewing marketing as a competitive strategy in domestic and international markets. Prerequisite: BUA 303 or equivalent.
- HRM 332 – ADVERTISING FOR THE  
 HOSPITALITY INDUSTRY (5)** (W,S)  
 Consideration of all aspects of the advertising element of the promotion mix as a vehicle for executing the corporation's marketing strategy. Prerequisite: HRM 331.

- HRM 340 – PHYSICAL PLANT MANAGEMENT (5) (F,S)**  
 A comprehensive survey of the engineering, maintenance and housekeeping functions of hotels, restaurants and institutions.
- HRM 341 – HOTEL AND RESTUARANT PLANNING AND DESIGN (5) (F)**  
 Consideration is given to the economic, productivity, aesthetic and merchandising factors involved in the planning and design stages of hotels and restaurants. Actual hotel and restaurant projects will serve as the basis for discussion and student project work.
- HRM 405 – FUNCTIONS OF THE COMPTROLLER (5) (S)**  
 A specialized course designed for students desiring strong emphasis and training in the complex accounting and finance functions of management. Strongly recommended for all students planning an accounting career. Prerequisites: HRM 301, HRM, 302.
- HRM 406 – COMPUTER APPLICATION IN THE HOSPITALITY INDUSTRY (5) (S)**  
 An advanced seminar designed to explore the sophisticated applications of computer technology to all phases of the industry. Prerequisites: HRM 301, HRM 302.
- HRM 407 – FUNDAMENTALS OF TAXATION (5) (S)**  
 Introduction to federal, state and local taxes with particular emphasis on those relating to the hospitality industry.
- HRM 408 – FINANCIAL AND LEGAL ASPECTS OF REAL ESTATE DEVELOPMENT (5) (S)**  
 An introductory course designed to acquaint the student with the legal aspects of financing in the hospitality industry. The student is exposed to the sources and availability of hospitality financing. Financing from the viewpoint of a sole proprietorship, partnership and corporation is discussed. The course also covers the purchasing and leasing of hospitality properties, condominium and cooperative forms of ownership and franchising.
- HRM 415 – PURCHASING AND MENU PLANNING (5) (F,S)**  
 Basic information on sources, grades and standards, criteria for selection, purchasing and storage for the major foods including the development of specifications. Consideration of the menu pattern with particular emphasis on costing, pricing, and the work load placed on the production staff. Item analysis and merchandising features are emphasized.
- HRM 416 – SANITATION IN FOOD SERVICE OPERATION (5) (S)**  
 The causes and prevention of food poisoning are stressed. Emphasis is placed on the current problems confronting the industry with recent food developments as they relate to sanitation. Curriculum developed by the National Sanitation Foundation is included.

**HRM 425 – UNION MANAGEMENT RELATION IN THE HOSPITALITY INDUSTRY (5) (F,S)**

A comprehensive course covering labor legislation, union history and the day-to-day administration of the labor contract. Emphasis is placed on collective bargaining and the business relationships between union and management.

**HRM 426 – SENIOR SEMINAR IN MANAGEMENT METHODS (5) (S)**

Class will be divided into small groups, each of which will meet regularly with the executive committee of an area hotel or restaurant. Each group will be, in reality, the junior executive committee for the property. The groups will come together periodically for analysis and discussion of their experiences, and to relate their experiences to principles of modern management.

**HRM 427 – RESORT MANAGEMENT (5) (S)**

A course designed to focus on the unique problems of resort hotel management and the application of special techniques to meet these problems.

**HRM 428 – HUMAN RELATIONS IN THE HOSPITALITY FIELD (5) (F, W)**

The problems faced by the supervisor and the executive in managing the human element in the hospitality field. Designed to give the student insight into the varied social and psychological factors present in any employee-employer relationship.

**HRM 429 – HOSPITALITY LAW SEMINAR (5) (W)**

(Best taken after "Law as Related to the Hospitality Industry" or equivalent.) New laws and their impact on the Hospitality Industry are examined. Students research and publish "industry alert bulletins" explaining the impact of new legislation on the hospitality industry.

**HRM 430 – INTERNATIONAL HOTEL OPERATIONS (5) (S)**

Establishment of operating techniques required to meet international standards. Major differences in operating procedures necessary for international management are explored and detailed. Special emphasis on productivity, staffing, training and employee relations when operating under various governmental rules and regulations. Case studies will be employed.

**HRM 435 – FOOD AND BEVERAGE MERCHANDISING (5) (F, W)**

This is an application of marketing and advertising principles to the specific area of food and beverage campaigns for actual hotels and restaurants serving as practice laboratories.

- HRM 436 – ADVANCED FOOD SERVICE OPERATION (5) (S)**  
 A senior course designed to coordinate the various management functions covered in previous courses into a comprehensive approach to profitable food service operations.
- HRM 445 – INTERIOR DESIGN AND DECOR (5) (W)**  
 A basic course examining in depth the theory and application of interior design and decor in the hospitality industry. Problems related to the construction, renovation design and decor of hotels and restaurants are discussed.
- HRM 480 – CONDOMINIUM, COOPERATIVE AND APARTMENT MANAGEMENT (5) (F)**  
 A survey course delineating the management functions of the resort condominium complex with special emphasis on similarities and differences in comparison to hotel and resort management.
- HRM 481 – MARKETING AND SERVICING THE RESORT CONDOMINIUM, COOPERATIVE AND APARTMENT CONCEPTS (5) (S)**  
 A simulated case project taking each of the three types of properties from selection of site completely through all phases of sales, marketing and servicing to complete occupancy and day-to-day operation.
- HRM 482 – LANDLORD/TENANT LAW (5) (S)**  
 A complete study of laws affecting the landlord/tenant relationships. Major emphasis will be on the practical application of these legal concepts as they affect the manager in his daily operations.
- HRM 500-504 – INDEPENDENT STUDIES (Variable) (F,W,S)**  
 With permission from the Chairmen of the Division of Hotel and Restaurant Services, or Division of Travel Services, students may engage in independent research projects and other approved phases of independent study.
- HRM 533 – PROBLEMS IN MARKETING (5) (S)**  
 Team-work analysis and recommended solution of an actual marketing problem which has been posed by a local operator. Prerequisite: HRM 331.
- HRM 550 – ORGANIZATION AND DEVELOPMENT OF RESORT, CONDOMINIUM, COOPERATIVE AND RESIDENTIAL COMPLEXES (5) (W)**  
 This seminar deals with the legal and financial aspects of real estate. Various instruments of real estate financing are examined. Students are exposed to land contracts, long and short term leases, real estate bonds, and various facets of investment trusts. Permission of the instructor must be obtained to take the course. Prerequisite: Past course work or experience in the real estate industry.

- TTM 301 – FUNDAMENTALS OF TOURISM (5) (F,S)**  
 An introduction to the broad fields of travel and tourism. Among the topics covered are cultural tourism, sociology of tourism, tourism components and supply, tourism development, the economic role of tourism, tourism demand, and the marketing of tourism.
- TTM 302 – MANAGERIAL ACCOUNTING FOR TRAVEL AGENTS (5) (W)**  
 Development of a uniform system of accounts for the travel agent. Special systems and applications of accounting as a tool for the manager.
- TTM 303 – RETAIL-WHOLESALE AGENCY MANAGEMENT (5) (W,S)**  
 Comprehensive, detailed course covering the technical procedures, practices and systems of day-to-day travel management. The counseling, sales and personal relationships with clients, hotels, tour agencies and transportation systems.
- TTM 305 – PASSENGER TRAFFIC MANAGEMENT (5) (W)**  
 An introduction to the basic operations aspect of travel agency management. The application of fundamental principles and successful practices in developing a satisfied clientele.
- TTM 306 – CREATIVE TOUR PACKAGING (5) (F)**  
 A thorough study of the functions of the wholesale tour operation. Includes tour operations and development, sales methods used in selling group business, costing and contracting of group business and in-depth study of the promotional aspects of tour packaging.
- TTM 307 – CONVENTION AND TRADE SHOW MANAGEMENT (5) (W)**  
 A course concentrating on organizing, arranging and operating conventions, trade shows, and concessions. Emphasis will be placed on the modes and methods of sales used in booking conventions and trade shows as well as the division of administrative responsibility in their operation.
- TTM 308 – INTERNATIONAL TRAVEL AND TOURISM (5) (S)**  
 An introduction to the complete international scope of travel and tourism. A brief analysis of regional framework and specific regions of the world; the interrelationship between human society and the physical environment. Tourism as a factor in economic development and its cultural and sociological factors are explored. An analysis of the international organization of tourism and the facilitation procedures required for its successful implementation are highlighted.
- TTM 309 – INTERNSHIP IN TOURISM AND TRAVEL MANAGEMENT (5) (F,W)**  
 Experience in all phases of travel agency management and in the travel and sales area of major airlines. Reports are required.

**TTM 310 – ADVANCED INTERNSHIP IN TOURISM AND  
TRAVEL MANAGEMENT (5)**

Structured management experience with an airline, a travel agency, tour operator or cruise line. Report required.

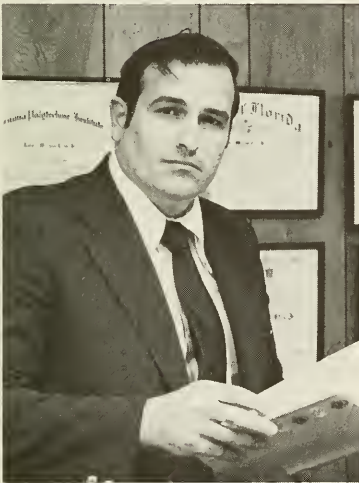
**TTM 312 – SOCIOLOGY OF LEISURE (5)**

**(W)**

An introduction to the fundamental, psychological and sociological concepts and theories as they relate to the motivation behind travel and tourism. Emphasis will be placed on the biological basis of behavior and the dynamics of personality.



## School of Technology



*Dean Robert W. Ellis, Jr.*

The influence of technology on society, as well as its impact on the life of the individual, has been well documented by scholar and public figure alike. Certainly, much of our current way of life depends on, or is the result of, technological innovation; and technology is destined to play a central role in the future of our planet.

The value of basic scientific education and inquiry holds a significant place in the academic programs of Florida International University. In assessing the needs of the community and the prospective student, Florida International believes it should also emphasize the economic, ecological and social applications of knowledge. As in other professional study areas, the University believes it is important in technology to relate practice to theory.

The School of Technology will open, with degree granting status, in September, 1973. Prior to opening academic programs, the Office of the Dean and academic advisors will be available to interested students. Those who wish information regarding Technology programs should contact the Dean's Office at (305) 223-2300, or visit Room 244 in La Deuxieme Maison.

The programs of the School will be planned to provide graduates who can satisfy realistic manpower needs, who can be immediately productive, and who will be prepared for challenging and rewarding careers. The need for technically competent individuals who have a breadth in management, social sciences, and liberal arts is great and expanding. It is toward meeting that need that the School of Technology is dedicated.

While providing a technical interface between scientist and engineer on the one hand, and technician on the other, the technologist must have a thorough understanding and facility in dealing with the economic and human implications of his assignment. At Florida International, the School of Technology will also endeavor to provide a sensitivity to the social consequences of technical activities.

The resources of the School will be devoted to fulfilling verifiable needs of society. It will provide academic programs of excellence, and will meet its responsibility as a part of the University to seek new applications of knowledge and to serve the society to which it owes its existence.

## ACADEMIC PROGRAMS

The School of Technology was envisioned in the plans for development of the University as that professional School which would provide programs emphasizing the interaction of technology with man's total physical and social environment. Its charge, and consequently its program orientation, are broad and comprehensive, approaching technology both in management and operations-oriented programs and in those more deeply rooted in the sciences and mathematics.

At Florida International University, the School of Technology represents a more diversified concept than do technology programs or colleges at many other institutions. Its programs will provide opportunity for students with a variety of skills and career objectives. Because of its responsibility for development of the new University's technical programs, the School of Technology has an opportunity to provide for integration of the sciences, mathematics, technology, management, and social sciences, rarely available in a more classical environment.

It is anticipated that the initial programs in the School of Technology will be centered in four major areas:

- **Environmental and Urban Systems**

There is a widespread belief that man's rapid alteration of his physical environment not only affects the quality of his life today but also threatens his long-term survival unless the affects of such changes are monitored more closely. Increased attention is required to the problems of maintaining a balance in our ecological system. A broad range of studies will be available to prepare students in major environmental areas including: air pollution, water resources, waste disposal, noise pollution, transportation and urban planning. Opportunities for study beyond the baccalaureate degree and research in ways to develop our technology in a manner that is compatible with our environment will be developed by the School of Technology in cooperation with the Center for Environmental and Urban Affairs.

- **Construction**

The significance of the construction industry in an expanding economy requires that its needs be considered in an urban university. Construction

is important not only from an economic viewpoint, but also because of its major role in shaping the environment. At Florida International, this program will provide students with a comprehensive education in the technology and science of construction with consideration of both habitable and non-habitable structures. It is anticipated that students will be able to emphasize construction processes, design, or construction management. The curriculum will include Analysis, Design, Site Development, Materials, and Construction Processes.

- **Engineering Technology (and Computer Technology)**

Students who wish to enter technical positions which emphasize the application of engineering concepts in areas such as production, installation, operation, administration, service and sales will be served by the program in Engineering Technology. Its curriculum will include Instrumentation, Circuits, Electronics, Machinery, Heat and Power, Controls, Mechanics, Materials, Fluids, Mechanisms, and related topics which will be presented to stress direct applications to industrial problems rather than research or development. It is anticipated that program emphasis in Mechanical, Civil, and Electrical/Electronic Technologies will be provided.

- **Industrial Technology**

The individual who wishes to acquire technical expertise for a given industrial environment in concert with a strong management orientation, will be served by this program. By drawing heavily on resources available within the School of Technology, the College of Arts and Sciences, and the other professional Schools, this program will provide the basis for specialized training not feasible in a more structured program. It is anticipated that by using limited additional University resources and the vast resources of the Miami-Dade County area, this program will provide for emphasis in safety, manufacturing, aviation, communications, and technical industry.

## DEGREE PROGRAMS

The School of Technology anticipates offering two baccalaureate degree programs. The **Bachelor of Science** degree will be designed primarily to serve the general upper-level transfer student from a four-year institution or the graduate from a community college/college parallel (Associate of Arts) program. These students will generally possess a limited background in a technical discipline and will have completed a significant general education program. The Bachelor of Science program, then, will build on this foundation a high level of technical sophistication, as well as human skills.

The **Bachelor of Technology** degree is offered to meet the needs of students transferring from the community college, having earned the Associate of Science degree in one of the technical disciplines. This program will accept the Associate of Science degree in an appropriate field as satisfaction of the first two years (90 quarter hours) of university work without a course-by-course transfer. The

remaining two years at Florida International University will provide an increased technical sophistication which would supplement the student's background in his area of specialization, as well as a program in the humanities, social sciences, and management. Because of the diverse background of these students, the Bachelor of Technology curricula will be highly individualized.

Programs leading to graduate degrees will be planned in cases where there is a clear and substantiated need and where Florida International University can demonstrate a unique ability to serve those needs. It is anticipated that master-level programs will be proposed during 1975.

## ACADEMIC PROGRAM PLANNING

The School of Technology will provide professional career and academic counseling for its students. Its programs will be designed with flexibility to provide for individual differences in career objectives and educational experiences. It is, therefore, most important that each student who anticipates a major in Technology see the Technology advisor. Students who have been admitted to Florida International in Technology should call the Dean's Office for an appointment for counseling prior to the first enrollment.

*Please cross check with all Catalog references to degree programs.*

# Division of Special Programs: School of Independent Studies



*Dean Jules Pagano  
Special Programs*

The Florida Board of Regents has authorized Florida International University's School of Independent Studies to offer the External Degree Program. This statewide authorization enables the student to take advantage of all educational resources throughout Florida without requiring residence hours on any campus. It is a self-directed, off-campus program for Florida residents.

Individual study plans are designed for each student in the form of a "contract." In this manner the student is given maximum credit for what he already has learned through traditional and non-traditional experiences. He is also told exactly what remains to be done to be awarded a degree. The length of time required for each student will vary according to the amount of credit needed for completion and the speed with which the student wishes to work.

The External Degree Program is an active participant in the University Without Walls of the Union for Experimental Colleges and Universities.

## **PROGRAMS OFFERED**

### **BACHELOR OF ARTS**

Environmental Studies

Humanities

English, Fine Arts, History, Modern

Languages, Philosophy

Liberal Studies

Social Sciences

Labor and Manpower, Managerial Economics,

Urban and Environmental Economics,

Urban Politics, Urban Sociology

### **BACHELOR OF SCIENCE**

Environmental Studies

Health Science

Social Work

Urban Justice

### **BACHELOR OF BUSINESS ADMINISTRATION**

## **NON-TRADITIONAL LIFE EXPERIENCES**

Many persons have accumulated non-college experiences that can be translated into college credit. By various methods of evaluation, our faculty is able to assess a student's competence level and grant advanced standing accordingly. Methods of evaluation range from the standardized College Level Examination Program (CLEP) to individual written and oral presentations before persons with established credentials in the disciplines. There is no minimum or maximum number of credits the faculty may award.

Examples of non-traditional experiences are: In-service training, short courses, continuing education, correspondence studies, seminars, travel, and professional occupational experience. Such methods of education are often referred to as "real life experiences."

## **SELF-STUDY – NON-RESIDENTIAL**

There is no classroom instruction requirement. The education contract may provide for self-directed projects, reading lists, and other self-study devices. The student need only enroll in classroom situations for subject matter he cannot master on his own.

## **PRELIMINARY EVALUATIONS**

Individual inquiries pertaining to evaluation of life experiences or previous credits earned cannot be accomplished over the telephone. The admissions

procedures call for receipt of the completed application, supportive materials and a \$15 application fee before a faculty and staff evaluation can be made. Applicants should be informed of their eligibility within thirty days of receipt of above.

## **ENTRANCE REQUIREMENTS**

1. Florida residency.
2. Completion of two years of college studies, or their equivalent through other combined experiences.
3. Commitment to independent study.
4. An initial interview of approximately one-half day.
5. Completion of application form.

## **FEES**

Charges listed under Fee section of Catalog.

## **FINANCIAL AID**

The External Degree Program has been approved for scholarships, loans, and Veterans benefits. For detailed information, contact: Student Financial Aid.





# Division of University Services and Continuing Education



*Dean Ronald A. Newell*

Education is for people of all ages, and Florida International University has given high priority to extending its resources to the entire Greater Miami and South Florida community. The concept of community service and life-long learning is intended to permeate each operating component of the University.

The Division of University Services and Continuing Education utilizes all available means for extending educational opportunities to all those who can benefit from such experiences. In the development of these services, the Division works in close cooperation with the Centers for Environmental and Urban Problems and International Affairs, and the College and the various Schools within the University.

With the knowledge explosion of our times, the professional has an extremely short period living comfortably with learning acquired through regular university and college matriculation. Florida International provides professional and para-professional personnel with opportunities to return for intensive short-term and long-term credit and non-credit educational experiences, enabling them to keep abreast of the latest developments in their professions.

Specific programs within the Division of University Services and Continuing Education include:

## **CREDIT COURSES**

The Division's Director of Credit Course Work serves public schools, business and industry, government units and community audiences in cooperation with the academic units of the University. The Director assists in determining the needs for specialized courses, and then follows through in coordinating the needs with the total resources of the University.

## **NON-CREDIT CLASSES, CONFERENCES AND INSTITUTES**

Professional and Developmental Educational Activities (Non-credit Classes, Conferences, Institutes and Seminars) for community groups are coordinated and administered by the Division. Such educational experiences will be structured by the University upon request, determination of need and availability of resources. The Division of University Services has been operational in the area of conferences and institutes since the fall of 1971.

## **INDEPENDENT OR CORRESPONDENCE STUDY**

Independent or correspondence study is provided by the Division of University Services and Continuing Education through the Division of Independent Study of The State University System of Florida.

## **EDUCATIONAL MEDIA**

With today's new knowledge, the application of technology to education has only begun; the potential for broader application is extensive. It is incumbent upon educational planners to apply technology to education wherever it can be utilized to improve quality and to effect economies. Thus, the various forms of educational media are utilized at Florida International to enrich existing instruction or to improve overall productivity. Of particular significance are media systems which do not depend upon the teacher for routine presentation of instructional material.

Utilization of educational media within the University, as it relates to instruction on the campus and for the community, is administered and coordinated by the Division of University Services and Continuing Education.

## **COOPERATIVE EDUCATION**

A major program for students coordinated by the Division of University Services is the Cooperative Education Program. Through this program the student will be able to integrate classroom instruction with practical and valuable on-the-job experience in business, industry, governmental agencies and other areas. It is anticipated that the Cooperative Education Program will be available to qualified students in most all areas of professional interest or preparation.

## **URBAN AGENT**

Such problems as urban blight and pollution, inadequate educational opportunities, racial unrest, lack of international understanding, poor housing and health conditions, and rising crime rates, to name a few, form a mandate to the University that it extend its special expertise to the community in the quest for solutions to the problems. In this area, the Division's Urban Agent Program has been developed as an "extended arm" of the University. The Urban Agent is envisaged as being what the Agricultural Extension Agent was to the farmer in the past, assisting the citizen in solving his problems as they arise in today's ever-changing world. He serves as a link between the community and the University, assisting community leadership and the community at large in bringing educational resources to bear on their problems. Urban Agents are now established or planned for model cities, migrant labor, local government, women's activities, criminal justice system, health and social services, and international affairs.

## **INSTITUTE FOR LABOR STUDIES**

An Institute for Labor Studies has been established by the University within the Division. The Institute is designed to respond to the higher education needs of workers and leaders of the labor movement. In addition, the Institute is charged with assisting the men and women of labor as active and interested citizens in their communities and as free and responsible persons in a democratic society.

## **OFF-CAMPUS CENTERS**

As the University grows and demonstrated need warrants, off-campus centers will be developed to serve locations not in close proximity to the campuses of the University. The Division of University Services and Continuing Education will assume the responsibility for feasibility studies to determine whether such centers are warranted. Upon establishment, the centers will be administered by the Division.

## **LATIN AFFAIRS**

The Division is currently reviewing the needs of the large Latin American population residing in the Greater Miami area. Following this review, special programs may be developed in conjunction with the University's Center for International Affairs.

## **SCHOOL SERVICE CENTER**

The School Service Center is intended to serve public schools in ways other than traditional course/degree programs. The School Service Center will be responsible to (1) survey educational requirements of public schools in Florida International University's service area and (2) to design programs utilizing total university resources to help meet such requirements. It affords a mechanism for

liaison between public schools and total university staff. The Center, in conjunction with the respective units of the University, sponsors seminars, conferences, workshops, non-credit courses and consultative services.

## **DIVISIONAL GRANTS AND CONTRACTS**

The Division from time to time receives outside financial assistance from governmental agencies for programs organized to enhance education opportunities for the citizens of Florida. Some examples are:

- **The Florida Migratory Child Compensatory Education Program Grant** has been funded by the Florida Department of Education. Under this project, the University administers the Social Educator Development Program which provides many social services and extensive educational assistance, through the twenty-three county school districts, for migrant children and their families. This program is designed to assist the migrant pupil to overcome learning or behavioral difficulties, and involves local school personnel on individual problems of migrant pupils.
- **The Migrant Manpower Delivery System, Dade County** — This component has been funded under a sub-contract with the State of Florida Department of Commerce. This project will provide educational, training, job development, placement, and supportive family services for more than 300 adult migrant farmworkers. The central thrust of the program is to provide the necessary training to prepare adult migrant farmworkers for productive employment with advancement potential out of the migratory stream. Representative migrant organizations and migrant workers themselves have key roles in the implementation and administration of the program.
- **Human Relations Training for Governmental Employees** — A grant has been provided for a series of training programs and seminars to assist governmental employees of various social service agencies in obtaining knowledge on the problems and life styles of the poor. Such experiences should increase the personal efficiency of governmental employees involved in service delivery to the poor or otherwise disadvantaged clients.

# FLORIDA INTERNATIONAL UNIVERSITY

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