

UNDERGRADUATE STUDIES

UNIVERSITY OF SOUTH FLORIDA - 2005/2006 UNDERGRADUATE CATALOG

Location/Phone: SVC 2002; (813) 974-4051
Office Hours: 8 a.m. – 5 p.m., Monday through Friday
Web Address: <http://www.ugs.usf.edu/ugs.htm>

The Dean of Undergraduate Studies has overall responsibility to enhance the quality of the learning experience in undergraduate programs across all colleges and campuses of the University. The Dean supervises several units and undergraduate academic programs that are not the purview of a single school or college including the offices of Evaluation and Testing, Air Force ROTC Program, Army ROTC Program, and Navy ROTC Program and acts on recommendations from the Undergraduate Council, the Academic Regulations Committee, the Council on Academic Advising, and the Faculty Committee on Student Admissions. As the Director of Community College Relations, the Dean develops articulation agreements with community colleges, area school boards, and area high schools.

The Dean's Office is the University Student Ombudsman for undergraduate academic matters. The function of the Student Ombudsman is to handle student appeals concerning access to courses and credit granted toward the student's degree. Students who wish to make an appeal should contact the Office of the Dean of Undergraduate Studies at SVC 2002, 974-4051 for further information.

The Dean is committed to providing vision and leadership in undergraduate education and to serving the needs of all undergraduate students including those with non-traditional and diverse backgrounds.

The Career Center

Location/phone: SVC 2088, (813) 974-2171, 8-5, Mon-Fri.
Web address: <http://www.career.usf.edu>

The Career Center provides USF students with comprehensive career planning and job search services. A staff of experienced Career Center professionals is available to help students choose a career; gain career-related work experience and prepare for an effective job search. The Career center also provides information on employment opportunities and creates venues where students can network and interview with local, state and national employers.

The Career Center's numerous services are clustered into the areas of career planning, career-related work experience, job search preparation, and connecting with employers.

Career Planning

Individual Career Counseling Appointments may be made with a career specialist to help students make an informed decision about a potential career and academic major.

Career Assessment Surveys are available to help students identify their interests, skills and work values. Both pen and paper and web-based assessments are available.

Career Decision-making Workshops teach students about the career development process and the steps to be taken in order to choose a career and academic major.

Career Reference Library contains information on career fields, including job descriptions, working conditions, educational requirements, salary information and projected employment outlook.

Graduate & Professional School Fair provides an opportunity for students thinking about continuing their education to talk to Admissions representatives from graduate and professional schools.

Career Development Course SLS 2401 takes you through each step of the career planning process.

Career-related Work Experience

Part-time Jobs, both on and off campus, including Federal Work Study (FWS) jobs are posted on the Career Center web site.

Cooperative Education ("Co-op") is a structured, academic program of paid, practical work experience related to a student's

major. See the Career Center web site for eligibility criteria and program details.

Internships from on and off-campus employers are advertised on the Career Center web site. Internships for academic credit are coordinated through the student's sponsoring academic department.

Job Search Preparation

Individual Job Search Coaching Appointments may be scheduled for assistance with resume/cover letter preparation; interview techniques; and various other job search strategies.

Walk-in Advising is available to answer questions about careers, job search or Career Center services. These fifteen-minute sessions are available Monday, Tuesday, and Thursday from 8:30-4:30 and Wednesday and Friday from 8:30-12:30 during fall and spring semesters.

Job Search Workshops are available on topics such as resume writing, interview techniques and other job search strategies, and include one on how to participate in the on-campus interview program.

Job Search Reference Library contains resources on resume writing, interviewing and job search strategies, as well as employer directories and salary information.

Job Search Computer Lab, located in the Career Center reference library, is equipped with computers with Internet access for conducting a cyberspace job search, scheduling on-campus interviews and researching employers.

Connecting with Employers

On-Campus Interviews for Internships and Full-time Positions are conducted in the Career Center by local, state and national recruiters from numerous types of organizations to fill their internship and full-time professional positions. All majors are eligible to participate.

Resume Referral is available to students who have uploaded a resume in the Career Center's electronic resume database. The Career Center will forward resumes of students matching the employer's hiring criteria, upon the employer's request.

Virtual Video Interview (VVI) allows students to visually market their skills, experiences and qualifications to a potential employer by making a web-based video, accessible to employers via the web from anywhere in the world. The VVI, linked to the student's uploaded resume, is the latest technology for screening interviews.

Career Networking Fairs, held each semester, bring students and employers together to network and discuss employment opportunities.

Job Listings are posted on the Career Center's web site daily and include part-time jobs, internships, Cooperative Education and full-time professional vacancies.

Credential Service The Career Center partners with Interfolio, Inc., an on-line service available to students applying to graduate or professional schools, or applying for jobs requiring a credential file, dossier or portfolio.

Center for Academic Advising

Location/phone: SVC 2011, (813) 974-2645
Web address: <http://www.sa.usf.edu/advising/>

The Center for Academic Advising is dedicated to promoting the successful achievement of students' academic goals through comprehensive advising services. The Center's primary responsibility is to provide academic advising to undergraduate students, with a special emphasis on the needs of students entering a university for the first time.

The following services are provided to these undergraduate students: advisement regarding academic policies and programs, assistance in the selection of a major, administration of special programs for at risk or underprepared student

populations, and special advisement for under-represented students. The staff prepares students for entrance into all limited access majors (e.g. Education, Engineering, Business, Nursing, and Mass Communications), and evaluates and certifies all students seeking Associate of Arts certificates.

Students who are undecided about a major or who are considering a limited access major will be assigned to the Center for Advising. Appointments can be scheduled online at: www.sa.usf.edu/advising/. Limited access majors include:

- Architecture
- Business
- Education
- Mass Communications
- Nursing

The Center offers a special opportunity for new freshmen. They may participate in early advising and registration online. This "Cyber Advising Program" allows students to make contact with an advisor during the summer prior to their first enrollment in the fall and receive priority advising and course registration times for the fall.

The Center for Academic Advising encourages its students to utilize any of the following services:

- Advisement regarding academic policies, programs, and requirements
- Major selection process
- Workshops and specialized advising for students at-risk
- Preparation for limited access majors
- Evaluation of credits for an Associate of Arts Degree
- Resource for the President's Academy of Advisors

Evaluation and Testing

Location/Phone: SVC 2054; (813) 974-2742

Office Hours: 8 a.m. – 5 p.m., Monday through Friday

Web Address: <http://www.usf.edu/testing>

The Office of Evaluation and Testing serves four principal functions:

1. Admissions, Academic and Placement Testing: Tests required for admission to colleges, graduate and professional schools as well as many other special tests are administered by this office. Examples are the SAT, ACT, CPT, CLAST, GRE, MCAT, and LSAT.
2. Scanning and Scoring Services: Analysis and advisory services aid in construction and validation of tests used in classes; survey design and data analysis are also available for research purposes as well as test scoring and analysis by machine. In addition, this office coordinates the student assessment of instruction process.
3. Credit-By-Examination: The College-Level Examination Program (CLEP) is administered through this office. Information on other programs such as the Advanced Placement Test (APT) is available.
4. College Level Academic Skills Test (CLAST): This office, in addition to administering the CLAST, implements many of the rules and policies of the College Level Academic Skills Program (CLASP).

Project Thrust

Location/phone: SVC 2034, (813) 974-4227

Project Thrust is a support program established to provide personal, and academic support to undergraduates at the University. Its mission is to provide programs and activities that enhance students' opportunities to attain their education and career objectives. Utilizing established partnerships with programs, departments and colleges, Project Thrust helps the University to create an atmosphere of collaboration, mutual respect, and trust for its students, faculty and staff. The program's holistic approach to student development helps students to persist and graduate. This program contributes significantly to the University's commitment to create an environment of intellectual excellence and a culturally diverse academic community.

Project Thrust has advisors in the following colleges: Arts and Sciences, Business, Education and Visual and Performing Arts. In addition to providing advising, counseling and retention activities, Project Thrust advisors coordinate various activities to provide academic and career support.

The Freshman Summer Institute

Location/phone: SVC 2034, (813) 974-4227

Freshman year is the most crucial period for student retention and may determine the likelihood of graduation. The Freshman Summer Institute at USF promotes the academic success of first-year students and encourages higher graduation rates by providing academic support and coordinating campus services.

Freshman Summer Institute (FSI) students enter the program by participating in a six-week summer residential program. During summer semester, FSI introduces a select group of incoming freshmen to the USF community and transitions them into college life. The experience resembles a typical semester; students attend an orientation, complete a series of classes and seminars for a head start on the fall curriculum, and complete up to ten academic credits toward graduation. Support is continued fall and spring semesters for all students successfully completing the summer program.

The FSI tackles the challenges of freshman year with an active concern for students' personal and academic welfare, enhancing their academic enrichment and better orienting them to the university environment. Counselors, a crucial element of the program, personally advise, counsel, and monitor students' progress throughout the first year. Personalized attention, combined with a holistic approach for student growth, distinguishes the Freshman Summer Institute as a unique student resource.

Student Support Services Program

Location/phone: SVC 2042, (813) 974-4301

Web address: <http://www.sa.usf.edu/sss/>

Student Support Services (SSS) is a federally funded retention program designed to provide academic and personal support to students admitted via profile assessment, individuals who qualify as either having disabilities or as low income, "first generation" college students ("first generation" means that the students' parents did not earn a four year degree). The program serves a diverse student population and provides an opportunity for students who may not meet all admission criteria but whose high school records and test scores indicate the potential to succeed in college. SSS has a positive impact on student success. Its participants are retained and graduate at a rate similar to students regularly admitted to the University.

Students who participate receive personal, academic, career, financial, and tutorial assistance. Special instruction is provided in the areas of English composition, reading, and study skills.

SSS provides a summer program to ease the transition from high school to college, establish a strong academic foundation during the summer semester, and expose students to university resources and facilities. Students receive a comprehensive summer orientation, individualized academic advising, course credit toward graduation and college survival skills.

Program participants have an opportunity to join the SSS Club, which serves as a common unit for students to exchange academic information, plan cultural activities, meet former SSS participants, and conduct fund-raising activities.

Bachelor of Science in Applied Science (APS)

Location/Phone: SVC 2002; (813) 974-4051

Office Hours: 8 a.m. – 5 p.m., Monday through Friday

Web Address: <http://www.ugs.usf.edu/bsas.htm>

Workforce projections for the 21st century indicate that there will be an ongoing need for people with specific skills and

abilities to fill Florida's growing number of specialized, scientific, industrial and technological positions. Florida's two-year colleges offer many exceptional programs that meet these demands through their Associate in Science (A.S.) degrees. Although these applied and technical degrees provide excellent preparation for students seeking jobs that require specific knowledge, skill and ability, they have not generally transferred very efficiently into four-year Bachelor's degree programs. The Bachelor of Science in Applied Science (BSAS) has been developed by USF under certain provisions of Florida legislation to remove constraints from the transfer process, recognize past work as transferable credit to the university, and afford exciting new opportunities for A.S. degree holders to pursue and acquire a distinctive USF Bachelor's degree.

The BSAS program is a "capstone" degree offering A.S. degree holders an efficient pathway to a Bachelor's degree. It provides Florida A.S. transfer students with a broad educational experience and a unique academic area of concentration. The various concentrations allow students to somewhat tailor their degree to match their academic interests and career ambitions. To achieve this end, BSAS students will plan their program in ongoing consultation with an academic advisor who will help students design their individualized program of study.

Requirements for the Major in Bachelor of Science in Applied Science

Recommended Prerequisites (State Mandated Common Prerequisites)

This degree program is available ONLY to Associate in Science (A.S.) graduates from a Florida public community/junior college.

There are no State Mandated Common Prerequisites for this degree program.

Students wishing to transfer to USF must complete the A.S. degree with an overall "C" average in all college-level courses accepted for transfer credit to USF. Students are encouraged to complete at least 18 credit hours of the General Education Requirements as part of their A.S. degree, and it is highly recommended that students select Gordon Rule communication and computation courses to fulfill these requirements while at the community college.

The A.S. degree will transfer as a complete "60 credit hour package" to USF (applicable only to the BSAS program). Technical coursework will transfer as a 42 credit hour technical block. The remaining 18 credit hours of General Education coursework from the A.S. will be matched against USF requirements to determine which courses remain outstanding for fulfillment of the university's 36 credit hour General Education Requirement.

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Community College Block Credit (Transferred from A.S.)	42
Community College General Education (Transferred from A.S.)	18
USF General Education	18
USF Exit Courses	9
USF Area of Concentration*	18
USF Electives**	15
Total BSAS Credit Hours	120

*Note that all BSAS Areas of Concentration are at least 18 credit hours (some require 21 credit hours).

** Elective credit hours may vary slightly, but will not require students to exceed a total of 120 credit hours for completion of the BSAS degree.

Within the 60 credit hours of USF/upper-level coursework beyond the A.S., BSAS students will complete:

- a minimum of 48 credit hours of upper-level (3000-4999) courses

- at least 30 hours of the last 60 credit hours at USF
- CLAST requirements
- foreign language requirement (can be satisfied by two years of high school foreign language credit or 8 college credit hours in a single foreign language)

Requirements for the Behavioral Healthcare Area of Concentration (ABH)

BSAS - Behavioral Healthcare Concentration (ABH) consists of 18 credit hours:

MHS 3411	Multidisciplinary Behavioral Healthcare Services	(3)
MHS 4002	Behavioral Health Systems Delivery	(3)
MHS 4408	Exemplary Practices in Behavioral Healthcare Treatment	(3)
MHS 4425	Field Experience in Behavioral Healthcare	(3)
MHS XXXX	Clinical Case Management in Community Care	(3)

AND, ONE OF THE FOLLOWING:

MHS 4931	Selected Topics in Behavioral Healthcare	(3)
MHS 4906	Directed Study/Readings	(3)

Requirements for the Criminal Justice Area of Concentration (ACJ)

BSAS - Criminal Justice Concentration (ACJ) consists of 18 credit hours:

Only available at Lakeland or Sarasota campus

CCJ 3024	Survey of Criminal Justice	(3)
CCJ 3610	Theories of Criminal Behavior	(3)
CJL 3110	Substantive Criminal Law	(3)
CJC 4010	American Correctional Systems	(3)
CCJ 4934	Seminar in Criminology	(3)
CJE 4144	American Law Enforcement	(3)

Requirements for the General Business Area of Concentration (ABU)

BSAS - General Business Concentration (ABU) consists of 18 credit hours:

ACG 3074	Managerial Accounting for Non-Business Majors	(3)
ECO 1000	Basic Economics	(3)
FIN 3403	Principles of Finance	(3)
MAN 3025	Principles of Management	(3)
MAN 4XXX	Managerial Applications	(3)
MAR 3023	Basic Marketing	(3)

Requirements of the Early Childhood Area of Concentration (AEC)

BSAS - Early Child Development Concentration (AEC) consists of 18 credit hours:

Only available at Lakeland or Sarasota campus

EDF 4111	Child Growth & Learning	(3)
EDG 4909	Young Children w/ Special Needs	(3)
HSC 3301	Health, Safety, Nutrition & Motor Skills	(3)
EEC 4303	Creative & Affective Experiences	(3)
EEC 4408	Child, Family & Teacher Relations	(3)
PAD 4419	Personnel & Supervision	(3)

Requirements of the Environmental Policy Area of Concentration (AEP)

BSAS - Environmental Policy Concentration (AEP) consists of 19-20 credits:

EVR 2001	Introduction to Environmental Science	(3)
EVR 2001L	Intro. to Environmental Science Lab	(3)
EVR 2861	Introduction to Environmental Policy	(3)

Plus three of the following:

PUP 4203	Environmental Politics and Policy	(3)
PHI 3640	Environmental Ethics	(3)

ECP 3302	Environmental Economics (PR: ECO 2023 Microeconomics)	(3)
POS 3697	Environmental Law	(3)
Plus one of the following:		
ANT 4147	Environmental Archaeology	(3)
BSC 4057	Environmental Issues	(3)
ECP 3613	Economics of the Urban Environment	(3)
EDF 3228	Human Behavior & Environmental Selection	(3)
EVR 4930	Selected Topics in Environmental Policy	(1-4)
GEO 4340	Natural Hazards	(4)
HIS 4936	Seminar in Environmental History	(4)
IDS 3186	Science and Ethics of Disease	(3)
WST 3225	Women, Environment and Gender	(3)

Requirements of the Gerontology Area of Concentration (AGR)

BSAS – Gerontology Concentration (AGR) consists of 21 credit hours:

GEY 2000	Introduction to Gerontology	(3)
or		
GEY 3263	Aging in the 21 st Century	(3)
GEY 3601	Physical Changes and Aging	(3)
GEY 3625	Sociocultural Aspects of Aging	(3)
GEY 4612	Psychology of Aging	(3)
Plus any three of the following:		
GEY 3323	Community Services of Older Adults	(3)
GEY 4322	Cast Management	(3)
GEY 4327	Long-Term Care Administration I	(3)
GEY 4340	Housing for the Elderly	(3)
GEY 4360	Gerontological Counseling	(3)
GEY 4608	Alzheimer's Disease Management	(3)
GEY 4635	Business Management in an Aging Society	(3)
GEY 4641	Death and Dying	(3)
GEY 4647	Ethical and Legal Issues in Aging	(3)

Requirements for the Hospitality Management Area of Concentration (APU)

BSAS – Hospitality Management Concentration (APU) consists of 18 credit hours:

Only available through Sarasota campus

PREREQUISITES - 12 HOURS:

ACG 2021	Financial Accounting	(3)
ACG 2071	Managerial Accounting	(3)
MAN 3025	Principles of Management	(3)
MAR 3023	Basic Marketing	(3)

REQUIRED COURSES:

FSS 3220	Introduction to Food Production & Management	(3)
HFT 3000	Introduction to Hospitality & Tourism	(3)
HFT 3423	Hospitality Information Systems	(3)
HFT 3503	Hotel Marketing and Sales	(3)
HFT 4221	Human Resources Management	(3)
HFT 4253	Logding Management	(3)

Requirements for the Public Administration Area of Concentration (APU)

BSAS - Public Administration Concentration (APU) consists of 18 credit hours:

PAD 3003	Introduction to Public Administration	(3)
PAD 4204	Public Financial Administration	(3)
PAD 4419	Personnel and Supervision in Today's Organizations	(3)
PAD 4712	Managing Information Resources in the Public Sector	(3)
POS 3182	Florida Politics and Government	(3)
Plus any one of the following:		
PUP 4002	Public Policy	(3)
PAD 5035	Issues in Public Administration and Public Policy	(3)

PAD 5044	Environment of Public Administration	(3)
PAD 5159	Urban Policy Analysis	(3)
PAD 5333	Concepts and Issues in Public Planning	(3)
PAD 5605	Administrative Law and Regulation	(3)
PAD 5700	Research Methods in Public Administration	(3)
PAD 5807	Urban and Local Government Administration	(3)
PAD 5836	Comparative Public Administration	(3)

Requirements for the Urban Studies Area of Concentration (AUR)

BSAS – Urban Studies Concentration (AUR) consists of 18-21 credit hours:

URS 3002	Introduction to Urban Studies	(3)
Plus any five of the following:		
ARC 4784	The City	(3)
AMS 3700	Racism in American Society	(3)
AMH 3423	Modern History	(4)
IDS 4942	Community Internship	(1-4)
ECP 3613	Economics of Urban Environment	(3)
ISS 3930	ST: Community Studies	(1-4)
SYA 4930	ST: Urban Life	(3)
GEO 3602	Urban Geography	(4)
GEO 4604	Advanced Urban Geography	(4)
PAD 3003	Introduction to Public Administration	(3)
POS 3142	Introduction to Urban Politics and Government	(3)
SOW 3203	American Social Welfare System	(3)
SPC 3710	Communication and Cultural Diversity	(3)
SYD 3700	Racial and Ethnic Relations	(3)
URP 4050	City Planning and Community Development	(3)
URP 4052	Urban and Regional Planning	(4)

Contact the BSAS Program for additional BSAS Concentrations that may have developed since the publication of this catalog.

Bachelor of Science in Hospitality Management

Program Email: hospitality@sar.usf.edu

Location: Sarasota/Manatee Campus, CPP Bldg. Suite 101

The mission of the School of Hotel and Restaurant Management at the University of South Florida is to provide excellence in teaching, research and service to all persons and to build foundations for lifelong learning. The School of Hotel and Restaurant Management prepares individuals for industry management and leadership roles in a global economy and interfaces with stakeholders to deliver hospitality professionals that add to the financial, intellectual, environmental, ethical and social growth of Florida and the Nation.

The Bachelor of Science Degree in Hospitality Management prepares outstanding individuals to be service-oriented professionals. The School of Hotel and Restaurant Management educates students to succeed at entry-level management and supervisory level positions in the hospitality industry. A general business education with specialized hotel and restaurant management courses equips the students to approach problem solving in a disciplined and systematic manner. An advisory board composed of leaders from major hospitality-related corporations and organizations that are directly involved with the review of the curriculum, school development and programming, prepares students for future career challenges.

Students should have 60 transferable hours and an overall GPA of 2.0 prior to admission to the University of South Florida.

Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements,

thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements, including ACT or SAT test scores, GPA, and course requirements.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Students should complete the following **prerequisite courses** listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. (*no grade lower than a C-*):

- ACG X021 Principles of Financial Accounting or ACG X001 and ACG X011
- ACG X071 Principles of Managerial Accounting
- ECO X013 Macroeconomics
- ECO X023 Microeconomics

Major requirements for the B. S. Degree In Hospitality Management are as follows:

Business Courses (12 Credits)

- FIN 3403 Principles of Finance
- ISM 3011 Information Systems in Organizations
- MAN 3025 Principles of Management
- MAR 3023 Basic Marketing

Hospitality Courses (36 Credits)

- FSS 3231 Introductory Food Preparation Management
- HFT 3005 Introduction to Hospitality and Tourism
- HFT 3263 Restaurant and Catering Management
- HFT 3423 Hospitality Information Systems
- HFT 3424 Cost Control in Hospitality Operations
- HFT 3503 Hotel Marketing and Sales
- HFT 3603 Law and Security for the Hospitality Industry
- HFT 4323 Facilities Mgmt for the Hospitality Industry
- HFT 4221 Human Resource Management
- HFT 4253 Lodging Management
- HFT 4471 Mgmt Accounting & Finance for the Hospitality Industry
- HFT 4930 Selected Topics in Hospitality Management
- HFT 4945 Advanced Internship (300 hours)

Communications Courses (6 Credits)

- COM 3110 Communication for Business and the Professions or SPC 2600 Public Speaking
- ENC 3310 Expository Writing or ENC 3213 Professional Writing

Non-Credit Major Requirement

In addition to completion of HFT 4945, students must complete an additional 700 documented working hours in the hotel and/or restaurant industry before graduation.

*FSS 3231 and HFT 3263 require a lab fee.

School of Hotel and Restaurant Management Faculty

Director: Jay R. Schrock; *McKibbin Chair:* John R. Walker;
Coordinator: Amanda M. Kulaw
Program Email: hospitality@sar.usf.edu Location: Sarasota/Manatee Campus, CPP Bldg., Suite 101.

Bachelor of Science in Information Technology

The Mission of the Information Technology Program is to provide high quality educational opportunities for students interested in pursuing careers in the broad range of fields that support our computer/information-based society and economy. Additionally to utilize the resources of the program to provide service to society; and to emphasize to students the need for lifelong learning, ethical conduct and an understanding of the diverse social context in which Information Technology is

practiced. The program is offered through the Lakeland Campus.

Specifically the program aspires to:

1. Lead to the advancement of Information Technology through nationally recognized education at the undergraduate level, as well as technology transfer to regional industries and businesses;
2. Prepare students for full and ethical participation in a diverse society and encourage lifelong learning;
3. Educate undergraduates in the best practices of the field as well as integrate the latest research and practices into the curriculum;
4. Emphasize the development of problem solving and communication skills as an integral component of the educational process and the later practice of the discipline;
5. Provide quality learning experiences through highly interactive techniques of course delivery that will include the use of electronic support equipment as well as newly developing distance learning technologies.

Objectives

The Information Technology program graduates will:

1. Have the requisite education and skills to be immediately employable as professionals in our computer/information-based society
2. Be prepared to enter into graduate studies in a number of related graduate programs
3. Be ethical and responsible members of their profession and society as a whole
4. Be well founded in the variety of sub-disciplines that comprise Information Technology which include basic principles of computation, mathematics, science and engineering.

The Information Technology (IT) program is designed to bridge the gap between computer science and management information systems. The emphasis of the program is on knowledge-based computer and information technology, traditional computer science concepts, as well as more practical topics including programming, applications, and networking, systems administration and the management of a variety of computing environments (in an era of rapidly changing technology). IT students will take coursework in computer organization, human-computer interface, data structures, operating systems, networking, databases, and software engineering. Electives can include such application areas as: advanced database, advanced networking, web page design and administration, and e-commerce as well as a variety of other related areas. Through a broad based set of electives, IT students will be able to tailor their program to satisfy individual preferences and strengths.

Students completing the IT program will qualify for a broad range of positions in computer-intensive businesses and industry such as: programmer analyst, systems analyst, database administrator, network administrator, computer resource manager, systems development manager, and information technology management, to name a few.

In addition to the University's graduation requirements, the program has the following policies:

1. Mandatory academic advising of each student each term,
2. Exit interviews as a graduation requirement for all students, and
3. Only grades of C and above in IT courses can be used to fulfill graduation requirements.

Four-Year Curriculum in Information Technology Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College:

If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

Students should complete the following **prerequisite courses** listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university.

PSY XXXX	Any Psychology Course
STA X023	
ECO X013	
CGS XXXX	Any Database Course
COP 2XXX	Any Computer Programming Course
COP 2XXX	Any Object-Oriented Computer Programming Course
MAC XXXX	Pre-Calculus Course
PHY XXXX	Any Physics Course
M** XXXX	Discrete Mathematics Course

Please be aware of the immunization, foreign language, continuous enrollment policies of the university, and qualitative standards required.

The schedule that follows indicates how a diligent student, who can devote full time to coursework, can satisfy requirements in four academic years. Students without a solid foundation, or those who cannot devote full time to academics, should plan for a slower pace.

Semester I

CGS 2100	Computers in Bus.	3
ENC 1101	Composition I	3
MAC 1140	Precalculus Algebra	3
Gen. Ed.		6
Total		15

Semester II

COP 2510	Programming Concepts	3
ENC 1102	Composition II	3
MAD 3100	Discrete Math	3
ECO 2013	Economic Principles (Macro.)	3
PSY 2012	Psychological Science I	3
Total		15

Semester II

Natural Science		3
COP XXXX	OO Programming (e.g., C++)	3
Electives		9
Total		15

Semester IV

STA 2023	Introductory Statistics I	3
PHY 2020	Conceptual Physics	3
Fine Arts		3
Electives		6
Total		15

Semester V

COP 3515	Program Design for Information Technology	3
CDA 3101	Computer Organization for Information Technology	3
ENC 3211	Communication for Engineers	3
INR 3033	International Political Cultures	3
CEN 3722	Human Computer Interfaces for IT	3
Total		15

Semester VI

EEL 4854	Data Structures and Algorithms for IT	3
COP 4610	Operating Systems for IT	3
ENC 4260	Advanced Technical Writing	3
CGS 3303	IT Concepts	3
IT Approved Electives		3
Total		15

Semester VII

CIS 4703	Database Systems for IT	3
CEN 4031	Software Engineering Concepts for IT	3
EEL 4782	Computer Information Networks for IT	3
IT Approved Electives		6
Total		15

Semester VIII

COP 4930	Information Technology Seminar	1-3
CIS 4935	Senior Project in IT	3-5
CIS 4253	Ethical Issues for Information Technology	3
IT Approved Electives		6
Total		13 - 15

INFORMATION TECHNOLOGY (IT) MINOR PROGRAMS

There are two IT Minor options available.

The **IT General Minor** (15 semester hours) is aimed at providing a good understanding of the concepts underlying Information Technology while enabling the student to choose four elective topics in which to specialize. These elective encompass a wide spectrum of topics such as programming, networking and web design, Human Computer Interface and Security Management. The outcome of this program is to build a solid culture of IT technologies and disciplines from scratch.

The **IT Technical Minor** (24 semester hours) enforces basic scientific pre-requisites and requires interested students to attend three core IT courses meant to provide them with the conceptual and technical basis necessary to successfully dwell in more advanced topics. The elective part of the IT Technical Minor is composed of two electives to be chosen from a larger set of courses including Data Base Systems and Operating System. Successful students are expected to develop a conceptual understanding of the IT field while developing programming skills they may apply to strengthen their major.

IT GENERAL MINOR

Required Course:

CGS 3303	IT Concepts	3
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Electives (choose four from list):

CDA 3101	Computer Organization for IT	3
CEN 3722	Human Computer Interfaces for IT	3
CIS 4361	IT Security Management	3
CIS 4412	IT Resource Management	3
COP 3515	Program Design for IT	3
EEL 4782	Computer Information Networks for IT	3
EEL 4854	Data Structures and Algorithms for IT	3
ETG 4931	Special Topics in Technology I	1-5
ETG 4932	Special Topics in Technology II	1-5

IT TECHNICAL MINOR

Prerequisite Courses:

COP 2510	Programming Concepts	3
COT 3100	Introduction to Discrete Structures	3
PHY XXXX	Physics	3

Required Courses:

CGS 3303	IT Concepts	3
COP 3515	Program Design for IT	3
EEL 4854	Data Structures and Algorithms for IT	3

Electives (choose four from list):

CDA 3101	Computer Organization for IT	3
CEN 3722	Human Computer Interfaces for IT	3
CEN 4031	Software Engineering Concepts for IT	3
CIS 4361	IT Security Management	3
CIS 4412	IT Resource Management	3
COP 4610	Operating Systems for IT	3
COP 4703	Database Systems for IT	3
EEL 4782	Computer Information Networks for IT	3
EEL 4854	Data Structures and Algorithms for IT	3
ETG 4931	Special Topics in Technology I	1-5
ETG 4932	Special Topics in Technology II	1-5

**POST-BACCALAUREATE CERTIFICATE PROGRAMS
IN INFORMATION TECHNOLOGY (IT)**

There are two Post-Baccalaureate Information Technology (IT) Certificates available. Both Certificates are designed for students who hold bachelor's degrees in fields other than IT, but do not seek either a master's degree or a complete undergraduate degree in IT.

The **IT Management Certificate** (15 semester hours) is designed to provide the student an application-oriented managerial background in IT. The typical student pursuing this certificate is not looking to change careers, but rather looking to enhance their technical abilities in their existing job. A four year Bachelor's degree plus some prerequisites are required to enter the IT Management Certificate Program.

The **IT Professional Certificate** (30 semester hours) is designed to help students change careers, i.e. begin a new career as an IT Professional. All classes (15 hours) taken in the IT Management Certificate directly apply toward the IT Professional Certificate. Therefore, each student having completed the IT Management Certificate, will only need 15 additional hours to complete the IT Professional Certificate. However, certain additional prerequisites may be required of the student prior to taking the advanced technically oriented classes contained in the IT Professional Certificate.

Students wanting to enter one of the IT Certificate programs, need to fill out an application to apply and have an official transcript sent from the College or University where they completed their undergraduate degree. The transcript is used to first verify that the student completed their undergraduate degree and second to identify if any additional prerequisite classes that may be required.

IT MANAGEMENT CERTIFICATE

The prerequisites to enter the IT Management Certificate program is a four year undergraduate degree plus the following:

1. MACxxx Pre-Calculus 3 hrs.
2. STA2023 Intro. To Statistics 3 hrs.
3. Any Basic Computer Skills Course 3 hrs.

(Word Processing, Spreadsheets, Windows, etc.)

NOTE: The course numbers may be different depending on the university. IT advisors will make the determination whether or not the student has satisfied these requirements based on supportive material (such as catalog descriptions, official letters, etc.) supplied by the student.

After admission to the IT Management Certificate program, the student must complete 15 hours selected from the following:

ETG 4931	Special Topics in Technology I	1-5
CEN 3722	Human Computer Interfaces for IT	3
ETG 4932	Special Topics in Technology II	1-5
COP 4930	Information Technology Seminar	1-3
CIS 4935	Senior Project in Information Technology	3
ENC 4260	Advanced Technical Writing	3
CIS 4361	IT Security Management	3
CIS 4412	IT Resource Management	3
	IT Current Topics	3
	IT Approved Elective	3

IT PROFESSIONAL CERTIFICATE

The prerequisites to enter the IT Professional Certificate program is a four year undergraduate degree plus the following:

1. STA 2023 Intro. To Statistics 3 hrs.
2. CGS xxxx Any Data Base 3 hrs.
3. COP2xxx Computer Programming 3 hrs.
4. COP2xxx OO Programming 3 hrs.
5. MAC xxxx Pre-Calculus 3 hrs.
6. xxxx Discrete Mathematics 3 hrs.

NOTE: The course numbers may be different depending on the university. IT advisors will make the determination whether or

not the student has satisfied these requirements based on supportive material (such as catalog descriptions, official letters, etc.) supplied by the student.

After admission to the IT Professional Certificate program, the student must complete the following 30 hour program:

Required courses for the IT Professional Certificate (12 credit hours):

COP 3515	IT Program Design	3
COP 4610	Operating Systems for IT	3
COP 4610L	Operating Systems Laboratory for IT	1
CDA 3101	Computer Organization for IT	3
EEL 4854	Data Structures and Algorithms for IT	3
Electives (18 credit hours):		
ETG 4931	Special Topics in Technology I	1-5
CEN 3722	Human Computer Interfaces for IT	3
CIS 4703	Database Systems for IT	3
CEN 4031	Software Engineering Concepts for IT	3
EEL 4782	Computer Information Networks for IT	3
EEL 4782L	Information Networks Laboratory for IT	1
COP 4930	IT Seminar	1-3
CIS 4935	Senior Project in IT	3-5
ENC 4260	Advanced Technical Writing	3
CIS 4361	IT Security Management	3
CIS 4412	IT Resource Management	3
	IT Current Topics	3
	IT Approved Elective	3
Total		30

Information Technology Faculty

Chair: A. Karshmer; Faculty: W.D. Armitage, F. Fleschute, A. Gaspar, B. Harding.

**Aerospace Studies
Air Force ROTC**

Location/Phone: BEH 360; (813) 974-3367

Office Hours: 8 a.m. – 5 p.m., Monday through Friday

Web Address: <http://web.usf.edu/~airforce/>

The Air Force Reserve Officers Training Corps (AFROTC) curriculum includes 12-16 course hours of instruction by active duty Air Force officers over a one- to four-year period. A student who completes the AFROTC program will receive an Air Force commission as a second lieutenant and is guaranteed a position in the active duty Air Force at a starting pay of approximately \$36,000 per year.

AFROTC is offered as a one-, two-, three-, or four-year program. The three- and four-year programs normally require a student to successfully complete all degree requirements for award of a bachelor's degree, 14 or 16 course hours of AFROTC classes respectively, and a four-week field training encampment between his/her sophomore and junior years. The two-year program gives students who do not enroll in AFROTC during their freshman and sophomore years the opportunity of taking AFROTC. Students should apply for the two-year program by December of the sophomore year. The one-year program is provided to students entering their senior year - per the needs of the Air Force. The student attends a five-week field training encampment in the summer prior to program entry. Upon entering the program, the students then complete all undergraduate degree requirements, and 12 credit hours of AFROTC courses.

ROTC students take a 1.8 hour non-credit leadership laboratory in addition to the academic classes. Students wear the Air Force uniform during these periods and are taught customs and courtesies of the Air Force. Leadership Laboratory is open to students who are members of the Reserve Officer Training Corps or are eligible to pursue a commission as determined by the Professor of Aerospace Studies.

AFROTC 4, 3, 2, and 1-year scholarships are available for eligible applicants. These scholarships pay all tuition, fees, books, and a \$250-\$400 per month tax-free stipend. Non-scholarship sophomores are eligible for the General Military Course Incentive, receive up to \$1,500 in tuition. Non-scholarship students in the final two years of the program are eligible

for the Professional Officer Course Incentive (POCI) and a monthly \$350-\$400 tax-free stipend. Qualified POCI students receive up to \$3,850 a year which covers tuition, fees, and books. Those interested in more information about scholarship criteria should contact the AFROTC Department.

Students interested in enrolling in the programs can begin registration procedures through the ROTC office in BEH 360 or by registering for the appropriate "AFR" course through university registration. Veterans, active duty personnel, and graduate students are encouraged to inquire about special accelerated programs designed for them. The AFROTC phone number is (813) 974-3367.

Minor in Aerospace Studies

In order for the student to minor in Aerospace Studies a minimum GPA of 2.0 is required in all courses used to satisfy the minor. A minimum of 12 semester hours of the 16 semester hours required must be earned at USF. Grades less than "C" (GPA of 2.0) or "S" grades will not be accepted. Students will not be able to use credit through exam or independent study for application to the minor. This program will provide the student an understanding of management and leadership concepts as they relate to military officers. In addition, students will analyze the evolution of American defense policy and strategy. Special emphasis is placed on developing the student's communication skills.

Specific Course Requirements for the Minor:

a. Total credit hours required:	16
b. Required courses:	
AFR 3220 Air Force Leadership and Management I	3
AFR 3231 Air Force Leadership and Management II	3
AFR 4201 National Security Forces in Contemporary American Society I	3
AFR 4211 National Security Forces in Contemporary American Society II	3
c. Other specifications: combination of 4 credit hours from any of the military elective courses below:	
AFR 1101 The Air Force Today: Organization and Doctrine	1
AFR 1120 The Air Force Today: Structure and Roles	1
AFR 2130 U.S. Air Power: Ascension to Prominence	1
AFR 2140 U.S. Air Power: Key to Deterrence	1
AFR 2940 Basic Aerospace Internship	
Optional Courses:	
MSL 1001C Fundamentals of Officership	2
MSL 1002C Basic Leadership	2
MSL 2101 Leadership and Teamwork	2
MSL 2102 Leadership and Teamwork	2
MSL 3201C Leadership and Problem Solving	3
MSL 3202C Leadership and Ethics	3
MSL 4302C Officership	3

Aerospace Studies Faculty

Professor: Robert J. Butler; Assistant Professors: Chris Carmichael, Tracey Richardson, Susan Welch.

Military Science Army Reserve Officer's Training Corps (ROTC)

Location/Phone: BEH 360/(813) 974-4065
Office Hours: 8 a.m. - 5 p.m., Monday through Friday
Web Address: <http://web.usf.edu/~usfarotc/>
Email Address: armyrotc@arotc.usf.edu

The Department of Military Science for Army Reserve Officers Training Corps (ROTC) was established to select and prepare students to serve as officers in the Regular and Reserve components of the United States Army. The curriculum is designed to develop students' leadership potential and

improve students' planning, organizational, and managerial skills.

Army ROTC training is divided into two phases: the first two years constitute the Basic Course; the last two the Advanced Course. The Department offers both a four- and a two-year program, each leading to a commission as a **Second Lieutenant** in the United States Army. The four-year program requires completion of the Basic Course, a five-week field training course, and the Advanced Course. Students with prior active military service or previous training at military schools may be exempt from some or all of the Basic Course. Students with questions concerning the various options should contact the Professor of Military Science for more information. Enrollment is open to qualified students at all levels, including graduate students. Offerings are published each semester.

Army ROTC training provides scholarships, pay, free uniforms and textbooks. Scholarships are awarded on a competitive basis in all academic majors. The scholarship pays full tuition, books, lab **and mandatory** fees, and certain other academic expenses. All Advanced Course and scholarship students receive a monthly subsistence payment that ranges from \$250.00 as a freshman to \$400.00 as a senior. This is in addition to the pay of approximately \$700.00 while attending the five-week field training course at the **Leadership Development and Assessment Course at Fort Lewis, Washington.**

Additional skills training: Airborne School, Air Assault School, and the Northern Warfare School are available to both Basic and Advanced Course students during semester breaks. Additional skills training is also available during the academic year to include first aid, rappelling, orienteering, etc.

Basic Course: The Basic Course consists of four semesters of classroom instruction of one hour each week **and a leadership lab**. Students incur no military commitment by participating in the Basic Course. **In lieu of attending the basic course classroom instruction, a student may attend the four-week Leadership Training Course at Fort Knox, Kentucky during the summer of the student's sophomore year.**

Advanced Course: The Advanced Course consists of four semesters of classroom instruction of three hours each week, **leadership lab, physical fitness and field training exercises**, and a five-week training phase at **Leadership Development and Assessment Course**. The Advanced Course is designed to prepare the student who desires to be a Professional Army Officer for duty, either Active Army, Reserve or National Guard. **Additional follow-on training is available to selected cadets at both US based and overseas active Army units.**

Job Opportunities: The newly commissioned officer can be guaranteed Reserve or National Guard duty, or compete for an Active Duty commission. Prior to commissioning the student may request to serve in a number of career fields to include aviation, engineering, medical, law, law enforcement, logistics, and personnel administration.

Requirements for an ROTC Commission: Students who desire to earn a commission as a **Second Lieutenant** in the United States Army must meet the following requirements: four semesters of the ROTC Advanced Course, successful completion of the Professional Military Education Courses (written communication skills, computer literacy, and military history), attendance at **Leadership Development and Assessment Course**, maintain and graduate with a minimum of a 2.0 GPA, successful completion of the Army Physical Fitness Test, compliance with the Army height and weight standards, and other requirements of the United States Army.

Minor in Military Science

The minor in Military Science entails a 18-hour program organized and coordinated through the Department of Military Science. A minimum of 14 of the 18 hours must be earned at USF and the student must maintain a 2.0 GPA in the minor. A minimum grade of "C" or better must be maintained in each course. "S" grades will not be accepted. This program is designed to provide the student with an in-depth understanding of Army leadership doctrine and the fundamental principles

by which Army leaders act to accomplish their mission. This minor lays out a leadership framework that allows students to apply leadership concepts learned in the classroom. Additional emphasis is placed on character development, oral and written communication, physical and mental fitness, and military small unit operations.

Required courses: (Total of 14 Credit Hours)

MSL 3201C Leading Teams	(3)
MSL 3202C Leading Small Units	(3)
MSL 4301C Leadership Development	(3)
MSL 4302C Preparing for Army Leadership	(3)
MSL 2900* Army Physical Readiness	(1)

*repeated for two semesters; may be repeated up to four semesters, however only two credits will count toward minor

Other specifications: combination of 4 credit hours from any of the military elective courses below:

MSL 1001C Leadership in the Army Profession	(2)
MSL 1002C Leadership Models and Methods	(2)
MSL 2101C Leadership in Changing Environments	(2)
MSL 2102C Leadership and Teamwork	(2)
MSL 2901 Basic Leader Training	(4)
MSL 4930 Advanced Directed Study and Research	(1-3)
AFR 1101 The Air Force Today: Organization and Doctrine	(1)
AFR 1120 The Air Force Today: Structure and Roles	(1)
AFR 2130 U.S. Air Power: Ascension to Prominence	(1)
AFR 2140 U.S. Air Power: Key to Deterrence	(1)
AFR 3220 Air Force Leadership and Management I	(3)
AFR 3231 Air Force Leadership and Management II	(3)
AFR 4201 National Security Forces in Contemporary American Society I	(3)
AFR 4211 National Security Forces in Contemporary American Society II	(3)

Military Science Faculty

Professor: Joseph M.J. Kools; *Assistant Professors:* Daniel Eadens, Scott Macksam, Jason Miller, Kathleen Porter.

**Naval Science
Naval ROTC**

Location/Phone: BEH 301

Office Hours: 8 a.m. – 5 p.m., Monday through Friday

Web Address: <http://web.usf.edu/nrotc>

Email Address: naval@nrotc.usf.edu

The Naval Science Program at the University of South Florida is administered by the Naval Reserve Officers Training Corps (NROTC) Unit. This program affords selected men and women the opportunity to receive instruction in Navy specified courses which, in conjunction with the baccalaureate degree, will qualify them for a commission in the United States Navy or Marine Corps. Students enrolled in the university who are physically and mentally qualified are eligible to apply for the NROTC program. As naval officers, USF NROTC graduates become eligible for varied careers, serving in aviation squadrons, on surface ships, on submarines in the nuclear power programs, at naval installations all over the world, or in the numerous sub-specialties as an officer of the Marines Corps. With the consent of the Professor of Naval Science, any student, although not enrolled in the NROTC program, is eligible for enrollment in naval science courses. The USF NROTC Unit offers participation through four programs: (1) the Navy-Marine Corps Scholarship Program, (2) the Navy-Marine Corps Four-Year College Program, (3) the Two-Year NROTC College Program, and (4) the Two-Year NROTC Scholarship Program.

The Navy-Marine Four-Year Scholarship Program—The NROTC National Scholarship Program is open to young men and women of all races, creeds, and national origin who are United States citizens. Students are selected on their own merit

to become officers in the United States Navy and Marine Corps. Scholarship students are appointed Midshipmen, U.S. Navy Reserve. The Navy pays for tuition, fees, textbooks, uniforms, and a monthly subsistence allowance of up to \$400.00 for four years. Scholarship students are normally selected through national competition during their senior year in high school. Each year, ten Professor of Naval Science scholarships are available through a competitive selection process to Black and Hispanic students with academic potential who have yet to demonstrate their performance in a college environment or who have completed at least one, but not more than two semesters of course work at the university with a cumulative GPA of 3.0 or better and with no grade below "C". Although it is not a requirement, a student in the NROTC Scholarship Program is encouraged to pursue a major in engineering, mathematics, chemistry, or physics to meet the technological requirements of the Navy. Other fields of study for a major leading to a baccalaureate degree are permitted, with the approval of the Professor of Naval Science. Regardless of the major, every scholarship student must complete one year of physics and one year of calculus.

Students must include certain Navy specified courses in their program and complete a program of courses as prescribed by the professor of naval science. Upon graduation, and successful completion of the naval science curriculum, the midshipman will receive a reserve commission as Ensign in the U.S. Naval Reserve or Second Lieutenant in the U.S. Marine Corps Reserve and serve on active duty for a minimum of four years.

The Navy-Marine Four-Year Corps College Program—The NROTC College Program is designed to train and educate well-qualified young men and women for commissioning. Selected students are appointed as midshipmen in the Naval Reserve prior to commencement of the advanced course in the junior year. The Navy pays for uniforms and naval science textbooks all during the four-year period, and during the junior and senior years, pays the midshipman up to \$400.00-per-month subsistence allowance. Each student is selected for enrollment in the program on the basis of past academic performance, potential, personal interviews, and a physical examination. A college program midshipman only acquires a military service obligation after entering the advanced courses at the beginning of the junior year.

Although there are no restrictions on the major college program students may pursue, it is highly recommended that they pursue a course of study similar to that of scholarship students. Students must also include in their program certain Navy specified courses and a program of courses in naval science. Students, upon graduation and successful completion of the naval science curriculum, receive a Reserve commission as an Ensign in the U.S. Naval Reserve or a Second Lieutenant in the U.S. Marine Corps Reserve and serve on active duty for a minimum of three years.

Two-Year NROTC College Program (Non-Scholarship)—The USF NROTC offers on a limited basis a two-year non-scholarship program which is designed specifically for students commencing their third year of college, who were not enrolled in the NROTC program during their freshman and sophomore years. Applications must be submitted during the sophomore year by the first of March to permit processing, personal interviews, and a physical examination. Qualifications for acceptance to this program include demonstrated ability to complete college level science and math courses. Upon acceptance into this program, the student attends a six-week intensive course at the Naval Science Institute in Newport, Rhode Island, in the summer prior to commencing the junior year of study. Students in a five-year engineering curriculum may attend the institution between their third and fourth years. The six-week summer course qualifies the student for enrollment in the NROTC program at the junior level. During the student's attendance at the Naval Science Institute, the Navy provides

room and board, books, uniforms, and transportation from home and return, as well as pays the student approximately \$365.00 month. Upon successful completion of the course, the Navy pays for uniforms, naval science textbooks, and up to \$400.00 subsistence allowance.

Students must also include in their program certain Navy specified courses and a program of courses in naval science. Students, upon graduation and successful completion of the naval science curriculum, receive a Reserve commission as an Ensign in the U.S. Naval Reserve or a Second Lieutenant in the U.S. Marine Corps Reserve and serve on active duty for a minimum of three years.

Two-Year NROTC Scholarship Program—The two-year scholarship program is administered in the same manner as the two-year non-scholar-ship program, except that a student who has excelled in a math, physical science, or engineering major and who has demonstrated above average performance in integral calculus may be selected for a two-year full tuition scholarship, to be awarded upon successful completion of the six-week period of training at the Naval Science Institute. In addition to the full-tuition scholarship, the student will receive up to \$400.00 subsistence per month, books, and lab fees.

Regardless of the major, every scholarship student must complete one year of calculus based physics and one year of calculus. Students must include certain Navy specified courses in their program and complete a program of courses as prescribed by the professor of naval science. Upon graduation, and successful completion of the naval science curriculum, the midshipman will receive a reserve commission as Ensign in the U.S. Naval Reserve or Second Lieutenant in the U.S. Marine Corps Reserve and serve on active duty for a minimum of four years.

Summer Training—The NROTC Four-Year Scholarship Program student is required to complete training of approximately four weeks during each of the three summer recesses. During the first summer period, each scholarship student will receive instruction in aviation training, marine combat training, surface warfare indoctrination, and submarine indoctrination either in Norfolk, Virginia or San Diego, California. During the third summer, candidates for U.S. Navy commissions will perform training aboard operational ships as a junior officer. The student who qualifies for nuclear propulsion training may elect to cruise on nuclear powered ships or submarines. Some midshipmen cruise with allied navies through the Midshipman Foreign Exchange Program. Transportation costs to and from the training sites, subsistence, quarters, and pay of approximately \$365 per month will be paid to every participating student. The candidates for U.S. Marine Corps commissions will perform training at the U.S. Marine Corps Base, Quantico, Virginia. The Marine Option NROTC Summer Training Program, "Bulldog," is designed to prepare mid-shipmen for appointment to commissioned grade by providing basic military instruction and physical training. An evaluation of midshipmen is made to ensure that they possess the leadership, academic, and physical qualifications required for appointment to commissioned grade in the Marine Corps Reserve. Female midshipmen participate in all NROTC curriculum requirements and activities, including cruises aboard selected ships. A woman who has qualified for Marine Option NROTC Summer Training at Quantico attends the Woman Officer Candidate Course in Quantico, Virginia.

Specified University Courses: In addition to satisfying requirements for a baccalaureate degree, the student must satisfactorily complete the following four-year curriculum guide, including required naval science courses and specified university courses.

Freshman Year	<i>Sem. Hrs.</i>
NSC 1110 Introduction to Naval Organization (Note 1)	3
NSC 1140 Sea Power and Maritime Affairs (Note 1)	3
NSC 1110L Naval Science Laboratory	0

Sophomore Year	
NSC 2121 Naval Ships System I (Note 1)	3
NSC 2231 Principles of Naval Management I	3
NSC 2221 Evolution of Warfare (Note 2)	3
NSC 1110L Naval Science Laboratory	0
MAC 2311, 2312 Calculus I, II (Note 3)	8

or	
MAC 2281, 2282 Engineering Calculus I, II	8

Junior Year	
NSC 2212C, 3214C Navigation I, II (Note 4)	3
NSC 1110L Naval Science Laboratory	0
Computer Science Elective (Note 5)	3
PHY 2048, 2049 Physics I, II (Note 3)	10

Senior Year	
NSC 3122 Naval Ships Systems II (Note 4)	3
NSC 4232 Principles of Naval Management II	3
NSC 4224 Amphibious Warfare (Note 2)	3
NSC 1110L Naval Science Laboratory	0

- NOTES:**
- (1) Undergraduate naval sciences required to be completed for a scholarship student before Fall Semester junior year.
 - (2) Required of Marine Option midshipmen only
 - (3) One year each of calculus and calculus based physics is required for every Navy option scholarship student. It is recommended but optional for College Program and Marine Options.
 - (4) Upper division Naval Sciences required of Navy Options are not required of Marine Options.

Furnished Items—All uniforms, textbooks, and equipment needed by the student for naval science courses are furnished by the Navy.

Use of Navy Science courses as University Electives—Academic departments within the university may, according to their own policies, accept naval science courses as electives to fulfill requirements in their academic program.

Naval Science Minor—Upon successful completion of the four-year Naval Science Program, a student may be awarded a minor in naval science. Specific requirements should be arranged with the student's academic department.

Naval Science Laboratory—The naval science curriculum includes a weekly three-hour laboratory covering professional and military subject matter. Attendance is mandatory for all midshipmen.

Naval Science Faculty

Professor: Anthony J. Dzielski; *Assistant Professors:* Henry Allen, David Davis, Steve DeMatteo, Gary Dubia, John Sarao.

STUDENT LEADERSHIP MINOR

The minor in Leadership Studies consists of a minimum of 18 credit hours with a "B" average (3.0). All students shall complete the first courses in the sequence and select four additional courses from the list of approved courses for the program. The series of courses is designed to help students develop personal and organizational leadership skills. The program is interdisciplinary in nature and should be of significant benefit to students in all areas of study.

The seven courses are designed to give students a practical and theoretical grasp of leadership. The basic assumption is that leadership can be learned and, therefore, taught. This program has a unique approach to leadership education that combines practical theories of leadership and learning to provide opportunities for students to study the nature of authority, leadership, social and role dynamics, political processes and the values that orient their careers. Students learn personal, diagnostic, operational, and tactical skills. In these classes, students are challenged to investigate self, context, and strategy.

184 UNDERGRADUATE STUDIES

UNIVERSITY OF SOUTH FLORIDA - 2005/2006 UNDERGRADUATE CATALOG

Required Courses (6 hours):

SLS 2260 Leadership Fundamentals	3
SLS 4272 Survey of Leadership Readings	3

Elective Courses (12 hours):

SLS 3930 Selected Topics in Leadership	1-4
SLS 3948 Community Leadership Practicum	3
SLS 4271 Organizational Theories and Processes	3
SLS 4273 Theories of Leadership	3
SLS 4274 Ethics and Power in Leadership	3
SLS 4276 Images of Leadership in Print and Film	3