OFFICE OF THE DEAN

The Office of Undergraduate Studies (UGS) works in partnership with the academic colleges in the development, review and enhancement of the undergraduate programs to assist faculty to provide outstanding undergraduate education for students. The members of the UGS team work with faculty to establish and administer academic policies, assist with undergraduate curriculum development and review, and support proposals for new and revised programs and courses through the various approval processes. In addition to assisting with the academic programs offered by the colleges, Undergraduate Studies offers a number of academic programs, including the Bachelor of Science in Applied Sciences, Leadership Studies minor, and the Army, Air Force and Naval Reserve Officer Training Corps programs.

Undergraduate Studies provides a strong set of student success programs designed to make it more likely that students will successfully navigate the complexities of the transition to college and the baccalaureate experience. (It integrates academic endeavors with meaningful experiences within a myriad of student development programs.) Together, they aim to provide coordinated opportunities for students to develop their identities and intellectual competencies for successful careers and lifelong learning. Those services include: Tutoring and Learning Services in the Learning Commons, Career Services, First-Year and Transfer Student Orientation, the Transitional Advising Center, the Office of Academic Advocacy, the University Experience Course, First Generation Access and Pre-Collegiate Programs, the Office for Undergraduate Research in the Learning Commons and the Academic Enrichment Center for Student Athletes.

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.

Career Services

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

Career Services’ numerous services are clustered into the areas of career planning, career-related work experience, job search preparation, and making contact with employers.

Career Planning
- Sessions with a career counselor are available to help students make an informed decision about a potential career and major.
- Career Assessment Surveys are available to help students identify their interests, skills, work values and personality profile.
- Career Decision-making Seminars, offered online, teach students about the career development process and how 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.

Career-Related Work Experience
- Part-time Jobs, off campus, are posted on the Career Services’ website via Career Connections
- Cooperative Education (“Co-op”) a structured, academic program of paid, practical work experience related to a student’s major is administered by the Career Center. Eligibility and program details are located on the Career Services’ website.
- Internships are advertised on the Career Services’ website. Internships for academic credit are coordinated through the student’s sponsoring academic department.

Job Search Preparation
- Sessions with a career counselor are available for assistance with resume/cover letter preparation; interview techniques; and various other job search strategies.
- Job Search Seminars are available on topics such as resume writing, interview techniques and other job search strategies.
- Job Search Reference Library contains resources on resume writing, interviewing and job search strategies employer directories and salary information.
- Job Search Computer Lab, located in the Career Services’ reference library, is equipped with computers with Internet access for conducting an on-line job search, scheduling on-campus interviews and researching employers.
Practice interviews are available to help students polish and perfect their interview skills.

**Making Contact with Employers**
- On-Campus Interviews for Internships and full-time positions are conducted in the Career Center by recruiters from numerous types of organizations. All majors are eligible to participate.
- Resume Referral is available to students with a resume uploaded in the Career Center’s online resume database.
- Students can electronically refer their resume to apply for both on-campus interviews, and employment opportunities advertised in the Career Services’ job listing database.
- Employer Information Sessions allows students a chance to learn about employment opportunities, hiring criteria and the organization’s workplace directly from the employer.
- Career Networking Fairs and Part-time Job Fairs, held each semester, bring students and employers together to network and discuss employment opportunities.
- Job Listings are posted daily on Career Connections, the Career Services’ online recruitment system, and include part-time jobs, internships, Cooperative Education and full-time professional positions.
- A Credential Service is available through a partnership between Career Services and 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.

**Alumni Services**
Career Services’ Alumni Career Services assists USF alumni in career planning, career management and job search strategies critical for navigating today's competitive job market. Alumni Career Services are exclusively for USF graduates who have completed a minimum of a bachelor's degree.

**Office of Academic Advocacy (OAA)**

**Location/Phone:** SVC 2043; (813) 974-4051  
**Web Address:** [http://www.ugs.usf.edu/aa/aa.htm](http://www.ugs.usf.edu/aa/aa.htm)  

The Office of Academic Advocacy (OAA) is dedicated to serving undergraduate students in their pursuit of timely progression to graduation. This office works individually with students in academic distress to review his/her options and collaborates with colleges and University departments to improve progression to graduation.

An undergraduate student identified as experiencing barriers to graduation may receive direct outreach from OAA to review her/his progress and for advisement towards graduation.

Major advisors and University department staff may refer a student to OAA when it is perceived that the student has an academic barrier to graduation.

Student inquiries and requests for appointments may be sent to academicadvocacy@usf.edu.

**Transitional Advising Center (TRAC)**

**Location/Phone:** SVC 2043; (813) 974-2645  
**Web Address:** [http://www.ugs.usf.edu/trac/trac.htm](http://www.ugs.usf.edu/trac/trac.htm)  

The Transitional Advising Center is dedicated to promoting the successful achievement of transitional students’ academic goals through comprehensive advising services. TRAC specializes in focusing on undergraduate students who have not yet declared a major, are preparing to enter the Hospitality Management major, or are pursuing the Bachelor of Science in Applied Science (BSAS) degree. The staff also certifies all students seeking Associate of Arts certificates.

TRAC is also available to students who need assistance with re-selecting a major. Sometimes a student’s original major of choice is no longer an option because of limited access programs, minimum GPA standards, or a realization that one is no longer on the right path. Whether this decision is voluntary or determined by academic requirements, TRAC advisors can assist with the selection of a new major.

Appointments can be scheduled online at: [http://usfweb3.usf.edu/appointments/StudentSignon.asp](http://usfweb3.usf.edu/appointments/StudentSignon.asp).

**First Year Academic Programs**

**Location/Phone:** SVC 2043; (813) 974-2645  
**Web Address:** [http://www.ugs.usf.edu/ue/ue.htm](http://www.ugs.usf.edu/ue/ue.htm)  

To support incoming students in their pursuit of academic and personal success, First Year Academic Programs offers two courses: University Experience and Academic Foundations Seminar. The elective credit earned from these courses can be applied to any undergraduate degree program.

SLS 1101 University Experience is designed specifically for first-year students to welcome them to USF. Each class consists of approximately 25-30 students and is built around four major themes: building community, learning about campus resources, developing effective academic skills, and exploring personal character and values. Research shows
that students who complete the University Experience course earn higher GPAs, have higher graduation rates, and are more involved on campus.

Making the transition from high school to a major university is sometimes challenging, yet very exciting. The University Experience course brings first year students together in small groups to discuss such topics as:

- Campus Resources
- Study Strategies
- Academic Planning
- Major/Career Decision-Making
- Time Management
- Financial Literacy
- Library and Technology Resources
- Personal Wellness
- Globalization
- Involvement Opportunities

SLS 2901 Academic Foundations Seminar is designed to assist incoming first-year students with their acclimation to the University, development of effective academic skills, and selection of a career and major. This course is a hybrid of SLS 1101 University Experience, SLS 2401 Career Development for Today and REA 1605 Advanced Learning Systems. The curriculum has been carefully structured to consolidate select content from the three source courses into a six-week format appropriate for students in summer bridge programs.

**Tutoring & Learning Services**

**Location/Phone:** LIB 206; (813) 974-2713  
**Web Address:** [http://www.usf.edu/learning](http://www.usf.edu/learning)

Tutoring & Learning Services is part of the Library Learning Commons and is located on the second floor, LIB 206. Offering a variety of academic support services, the mission of the department is to support student learning. Tutoring is free and available in many different subject areas including math, science, and languages. Students can select from several drop-in centers or make an appointment. In addition, a number of academic enhancement courses and workshops on learning strategies, test-taking, study and research skills are offered each semester including several credited courses such as Strategic Learning (REA 2604) and Critical Reading and Writing (REA 2105).

**Writing Center**

**Location/Phone:** LIB 125; (813) 974-8293  
**Web Address:** [http://www.usf.edu/writing](http://www.usf.edu/writing)

The Writing Center is a place for writers of all skill levels to take chances, ask questions, and develop their abilities. The Writing Center is an academic support partner in the Library Learning Commons and is located at LIB 125, just beyond the Reference Desk. Writing support is free to all registered USF students. Writing consultants are graduate students from English and several related departments, who are qualified to assist all levels of students from first-year undergraduate to doctoral level, including staff and faculty. Appointments are encouraged and can be scheduled by phone, in person, or online through Blackboard.

**Academic Enrichment Center for Student Athletes**

The Academic Enrichment Program at the University of South Florida is a full service program designed with the goal of enhancing the total development of the USF student-athlete. The program is focused on the unique needs and demands of student-athletes at USF and fosters the cultivation of skills that allow for the development of potential in the classroom, on the field and for the future.

The Academic Enrichment Program provides a variety of support mechanisms for all student-athletes by way of specific events and activities designed to promote academic success, athletic success, community service, career development and personal development.

Because we are committed to academic success and to providing the appropriate level of support for all our student-athletes, the academic component of our Enrichment Program is considered most vital. Focus is placed on identifying and meeting the needs and challenges faced by our student-athletes through providing assistance programs, workshops, tutoring and mentoring made available throughout the academic year. Emphasis is placed on encouraging student-athletes to take responsibility for their academic careers and for being productive and successful members of the USF academic community.
First Generation Access and Pre-Collegiate Programs

The First Generation Access and Pre-collegiate Programs (FGAPP) consist of retention programs providing access to a university education for promising first year students who are first-generation college students and/or come from limited income households. The Freshman Summer Institute and the Student Support Services programs provide services and activities that focus on helping students transition from high school to college, improving student persistence and graduation, promoting academic achievement and providing academic, social, and cultural support during their matriculation at the University.

FGAPP also administers federal and state funded pre-collegiate programs charged with serving the needs of underserved students in Hillsborough County. These programs, Upward Bound and the College Reach-Out Program (CROP), work with first-generation and limited income secondary students (grades 8 through 12) who aspire to attain a post-secondary education. Both programs encourage, support, and prepare students to successfully complete high school on a timely basis and acquire the necessary skills to successfully enter and graduate from their college of choice.

The Freshman Summer Institute

Location/Phone:  SVC 2011; (813) 974-4227
Web Address:  http://www.ugs.usf.edu/fsi/fsi.htm

The Freshman Summer Institute (FSI) provides access to a university education for students from first generation and/or limited income families and identifies qualified individuals through a review of admission applications, academic records, and family income as determined by the Free Application for Federal Student Aid. Each year a limited number of students enter USF through this program.

All students admitted to FSI must enroll in a six-week summer session. Throughout the six weeks, students are required to live in the residence halls where they experience an environment supportive of their academic work. Each student receives a rigorous academic class schedule consisting of nine credit hours in Foundations of Knowledge and Learning Core Curriculum and electives based on standardized test scores, high school transcript, and intended major. Students attend weekly workshops on a variety of topics relevant to academic success, acclimation to college life, and their growth and development as first-year students. Students must complete all hours attempted with a grade of C- or better and end the summer term in good academic standing in order to continue in the fall semester.

The Freshman Summer Institute tackles the challenges of the freshman year with an active concern for students’ personal and academic welfare, enhancing their academic enrichment and better orienting them to the university environment. Continuous counseling and advising is a crucial element of the program. Counselors 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

Location/Phone:  SVC 2011; (813) 974-4301
Web Address:  http://www.ugs.usf.edu/sss/sss.htm

Student Support Services (SSS) is a federally funded retention program designed to help students make a smooth transition from high school to the University of South Florida. The program provides academic and personal support for students during their first two years of enrollment. A student is eligible to participate in Student Support Services if the student meets all of the following requirements:

a. Is a citizen or national of the United States or meets the residency requirements for Federal student financial assistance;
b. Is enrolled at the grantee institution or accepted for enrollment in the next academic term at that institution;
c. Has a need for academic support (SAT below 1020 or ACT below 21 or high school grade point average below 3.20);
d. Is 1) a low income individual; 2) a first generation college student (the student’s parents did not earn a four year degree); or 3) an individual with disabilities.

Student Support Services provides a six-week summer program to ease the transition from high school to college, enhance self-confidence, establish a strong foundation during the summer semester, and expose students to university resources and facilities. Students receive a comprehensive summer orientation, individualized advising, college survival skills and course credit toward graduation. Students must complete the summer term in good academic standing in order to participate in the program during future terms. Other services provided include ongoing individual counseling, midterm assessment, pre-registration, informational seminars, financial assistance, tutorial assistance, computerized tutorial assistance program, computer lab, career programs, and counseling. Research reveals that USF’s Student Support Services Program has been recognized nationally for its positive impact on student retention and graduation rates. In fact, 80-90% of program participants are in good academic standing at the end of each semester.
ENCOURAGING LATINO COLLEGE EXCELLENCE (ENLACE) is a program designed to promote academic success, retention, and graduation of Latino students on the University of South Florida campus. Focusing on first generation in college students from limited income families, the program helps students make a smooth transition to campus life and provides services designed to help create a strong sense of community of students. ENLACE provides motivation, encouragement, and guidance in professional and personal development. Students are encouraged to participate in community outreach programs through activities that celebrate their culture, educate their community, and provide opportunities for growth and development.

COLLEGE REACH-OUT PROGRAM (CROP)
Location/Phone: SVC 1054; (813) 974-3713
Web Address: http://www.ugs.usf.edu/crop/crop.htm

The College Reach-Out Program (CROP) is a statewide program designed to increase the number of students who successfully complete a postsecondary institution. The program’s primary objective is to strengthen the educational motivation and preparation of low-income and educationally disadvantaged students in grades 8 through 11, representing various cultural backgrounds, who otherwise would be unlikely to seek admission to a community college, state university, or independent post-secondary institution without special support and recruitment efforts.

The goals of CROP are to motivate students to pursue a postsecondary institution, develop students’ basic learning skills, strengthen students’ and parents’ understanding of the benefits of postsecondary education, and foster academic, personal, and career development through supplemental instruction.

UPWARD BOUND PROGRAM
Location/Phone: SVC 1054; (813) 974-9138; Fax: (813) 974-2022
Web Address: http://www.ugs.usf.edu/upbound.htm

The Upward Bound Program (UBP) at the University of South Florida provides fundamental support to participants in their preparation for college placement. The program provides opportunities for participants to succeed in their pre-college performance and ultimately in their higher education pursuits. UBP serves high school students (grades 9 through 12) from low-income and first-generation college households.

The goal of UBP is to increase the rates at which high school students enroll in and graduate from institutions of post-secondary education. The purpose of UBP is to provide assistance in developing goals, improving academic skills, and providing the motivation necessary to achieve success in a college or post-secondary program. The program serves 165 students from 5 target schools in the Hillsborough County School District that have been determined to have a high need for academic support.

- Bachelor of Science in Applied Science (APS) (CIP = 24.0102)
Location/Phone: SVC 2043; (813) 974-2645
Web Address: http://www.ugs.usf.edu/academic/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 (B.S.A.S.) has been developed by USF under certain provisions of Florida legislation to remove constraints from the transfer process, recognize past course 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 an A.S. degree with a minimum overall 2.0 GPA in all college-level courses accepted for transfer credit to USF, with no grade lower than C-. Students should complete at least 18 credit hours of the general education requirements as part of their A.S. degree, which should include 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 Area of Concentration* 24

Required Courses 21

College Exit Requirement 3

USF Writing Intensive Course 3

USF Electives** 15

Total BSAS Credit Hours 120

*Note that all BSAS Areas of Concentration are at least 24 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 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
- 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) Note: ASL 2140C Basic American Sign Language and ASL 2150C Intermediate American Sign Language may be substituted to meet this requirement.

The following BSAS Areas of Concentration are offered fully or partially online:

- Criminal Justice (fully online)
- Public Health (fully online)
- Information Studies: Health Informatics (fully online)
- Information Studies: Information Architecture (fully online)
- Information Technology (fully online)
- Environmental Policy and Management (partially online)
- Urban Studies (partially online)

Consult advisor for availability of online course offerings.

Requirements for Areas of Concentration

BSAS - Behavioral Healthcare Concentration (ABH) – 24 credits

Behavioral health problems, including mental illness and substance abuse, are among the greatest public health challenges facing our communities. Students enrolling in the Behavioral Healthcare concentration will be exposed to treatment approaches as well as to issues related to the organization, financing, delivery, and outcomes of behavioral health services. Combining academic and experiential learning, the concentration provides students with information and practical experience in behavioral healthcare services.

Concentration Requirements (15 credit hours):

- MHS 3411 Multidisciplinary Behavioral Healthcare Services
- MHS 4002 Behavioral Health Systems Delivery
- MHS 4408 Exemplary Practices in Behavioral Healthcare Treatment
- MHS 4425 Field Experience in Behavioral Healthcare
Electives (6 credit hours):
- CLP 4414 Behavior Modification
- MHS 4022 Adult Psychopathology in the Community
- MHS 4023 Recovery-Oriented Mental Health Services
- MHS 4203 Practical Skills: Children’s Behavioral Healthcare
- MHS 4434 Behavioral Health and the Family
- MHS 4452 Co-occurring Disorders
- MHS 4463 Suicide Issues in Behavioral Health
- MHS 4490 Behavioral Healthcare Issues for Children
- MHS 4731 Writing for Research and Publication in BCS
- MHS 4931 Selected Topics: Gerontological Counseling
- RCS 4033 Overview of Rehab and MH Counseling Professions

College EXIT Requirement (3 credit hours):
- IDS 4934 Senior Capstone for BSAS/BGS

BSAS – Criminal Justice Concentration (ACJ) – 24 credits

The Criminal Justice concentration provides students with an exposure to all facets of the criminal justice system including law enforcement, detention, the judiciary, corrections, and probation and parole. The program concentrates on achieving balance in the above aspects of the system from the perspective of the criminal justice professional, the offender, and society. The objective of the concentration in Criminal Justice is to develop a sound educational basis either for graduate work or for professional training in one or more of the specialized areas comprising the modern urban criminal justice system.

Concentration Requirements (6 credit hours):
- CCJ 3117 Theories of Criminal Behavior
- CCJ 3024 Survey of the Criminal Justice System

Electives (3 credit hours):
- CJE 4114 American Law Enforcement Systems
- CJE 4010 Juvenile Justice System
- CJC 4010 American Correctional Systems

Electives (3 credit hours):
- CJL 3110 Substantive Criminal Law
- CJL 4410 Criminal Rights and Procedures

Electives (9 credit hours):

Do not choose a course from the following list that has been chosen from above.
- CCJ 3014 Crime and Justice in America
- CCJ 3621 Patterns of Criminal Behavior
- CCJ 3701 Research Methods in Criminal Justice I
- CCJ 4224 Miscarriages of Justice
- CCJ 4361 Death Penalty
- CCJ 4450 Criminal Justice Administration
- CCJ 4604 Abnormal Behavior and Criminality
- CCJ 4613 Forensic Psychology
- CCJ 4651 Drugs and Crime
- CCJ 4662 Race and Crime
- CCJ 4681 Domestic Violence
- CCJ 4690 Sex Offenders
- CCJ 4900 Directed Readings
- CCJ 4910 Directed Research
- CCJ 4933 Selected Topics in Criminology (may be repeated with different topics)
- CCJ 4940 Internship for Criminal Justice Majors
- CJE 4114 American Law Enforcement Systems
- CJE 4010 Juvenile Justice System
- CJE 4610 Criminal Investigation
- CJC 4010 American Correctional Systems
- CJL 3110 Substantive Criminal Law
- CJL 4410 Criminal Rights and Procedures
- CJL 4115 Environmental Law and Crime
Any other upper-level (3XXX-4XXX) course with a CCJ, CJC, CJE, CJL, or CJT prefix except CCJ 4934.

**College EXIT Requirement (3 credit hours):**
- IDS 4934 Senior Capstone for BSAS/BGS

**BSAS – Deaf Studies Concentration (ADS) – 24 credits**

This concentration will introduce students to the history, culture and language of the American Deaf community. The student will be exposed to the full spectrum of Deafness from the cultural view to the pathological view. In addition, students will be able to explore a variety of social and community services and tailor their education to their specific area of interest. Students will be able to apply their knowledge of Deafness and cultural perspective to these social and community services in order to become an advocate within the community.

**Concentration Requirements (12 credit hours):**
- ASL 3514 History and Culture of the Deaf
- INT 3004 Fundamentals of Interpreting
- SPA 3470 Culture and Diversity in Comm. Sci/Disorders
- SPA 4321 Introduction to Audiologic Rehabilitation

**Electives (9 credit hours):**
- ASL 2140C Basic American Sign Language
- ASL 2150C Intermediate American Sign Language
- ASL 3324 Advanced ASL Discourse
- ASL 4161C Advanced American Sign Language
- ASL 4201C American Sign Language IV
- ASL 4301C Structure of Sign Language
- CCJ 3024 Survey of Criminal Justice
- GEY 3625 Sociological Aspects of Aging
- INT 3270 Interpreting Process and Skill Development
- INT 4490 Introduction to Cued Speech and its Applications
- MHS 3411 Multidisciplinary Behavioral Healthcare Services
- RCS 4931 Introduction to the Counseling Professions
- SOW 3210 American Social Welfare System
- SPA 3002 Introduction to Disorders of Speech and Language
- SPA 3004 Introduction to Language Development and Disorders
- SPA 3030 Introduction to Hearing Science
- SPA 3112 Applied Phonetics in Communication Disorders
- SPA 3261 Language Science for Comm. Sci/Disorders
- SPA 3310 Introduction to Disorders of Hearing

**College EXIT Requirement (3 credit hours):**
- IDS 4934 Senior Capstone for BSAS/BGS

**BSAS – Environmental Policy & Management Concentration (AEP) – 25 credits**

This concentration is a unique interdisciplinary program that incorporates courses from various colleges across the University. Although there are courses in the concentration that are offered by the Environmental Science and Policy Division, the degree concentration also offers students the opportunity to take supporting courses in other physical and natural sciences, statistics, policy, and ethics.

**Concentration Requirements (7 credit hours):**
- EVR 2001 Introduction to Environmental Science
- EVR 2001L Introduction to Environmental Science Lab
- EVR 2861 Introduction to Environmental Policy

**Electives (9 credit hours):**
- EVR 4027 Wetland Environments
- EVR 4104 Karst Environments
- EVR 4114 Climate Change
- EVR 4930 Selected Topics:
- GEO 4502 Economic Geography
- PHI 3640 Environmental Ethics

**Electives (6 credit hours):**
- ANT 4403 Environmental Anthropology
- ECP 3302 Environmental Economics
- EDF 3228 Human Behavior and Environmental Selection
- EVR 4930 Selected Topics
GEO 3602 Urban Geography
GEO 4280C Hydrology
GEO 4284 Water Resources Management
GEO 4340 Natural Hazards
GEO 4372 Global Conservation
GIS 3006 Computer Cartography
GIS 5049 GIS for Non-Majors
HSC 4551 Survey of Human Diseases
PAD 3003 Introduction to Public Administration
PAD 4144 Non-Profits and Public Policy
POS 3142 Intro to Urban Politics/Government
POS 3182 Florida Politics and Government
POS 3697 Environmental Law
PUP 4002 Public Policy
PUP 4203 Environmental Politics and Policy
URP 4050 City Planning and Community Development
URS 3002 Introduction to Urban Studies
WST 3324 Women, Environment and Gender

**College EXIT Requirement (3 credit hours):**
IDS 4934 Senior Capstone for BSAS/BGS

**BSAS – Gerontology Concentration (AGR) – 24 credits**

Gerontology is the study of the process of human aging in all its many aspects: physical, psychological and social. In the School of Aging Studies, particular emphasis is placed upon applied gerontology, with the goal of educating students who in their professional careers will work to sustain or improve the quality of life in older persons.

**Concentration Requirements (12 credit hours):**

GEY 2000 Introduction to Gerontology
GEY 3601 Physical Changes and Aging
GEY 3625 Sociocultural Aspects of Aging
GEY 4612 Psychology of Aging

**Electives (9 credit hours):**

GEY 4101 Aging in Special Populations
GEY 4102 Aging in Modern Literature and Film
GEY 4231 Elder Abuse and Neglect
GEY 4322 Case Management
GEY 4360 Gerontological Counseling
GEY 4608 Alzheimer's Disease Management
GEY 4629 Women and Aging
GEY 4635 Business Management in an Aging Society
GEY 4641 Death and Dying
GEY 4647 Ethical and Legal Issues in Aging
GEY 4690 Senior Seminar in Gerontology

**College EXIT Requirement (3 credit hours):**

IDS 4934 Senior Capstone for BSAS/BGS

**BSAS – Information Studies: Information Architecture Concentration (AIA) – 24 credits**

The Information Architecture concentration provides students with the foundational technical knowledge, information design theory, and best practices supporting designing, organizing, classifying, and improving websites and other online applications, organization intranets, social networking applications and online communities, and software for a variety of organizations. The Information Architect's career opportunities may be in information architecture, project management, design, analysis, usability testing, planning, user interaction design, universal access design, web database design, customer management, and other information related fields.

**Concentration Requirements (18 credit hours):**

LIS 3261 Introduction to Information Science
LIS 3353 IT Concepts for Information Professionals
LIS 3783 Information Architecture
LIS 3361 Web Page Design and Management
LIS 3352 Interaction Design
LIS 4365 Web Design Technologies
Electives (3 credit hours):
- CDA 3101 Computer Organization for Information Technology
- CEN 3722 Human Computer Interfaces for Information Technology
- CEN 4031 Software Engineering Concepts for Information Technology
- CGS 3303 IT Concepts
- CGS 3373 IT Concepts & Data Networking
- CGS 3374 Computer Architecture & Operating Systems
- CGS 3845 Electronic Commerce
- CGS 3847 Advanced E-Commerce
- CGS 3850 Web Development: JavaScript & jQuery
- CGS 3853 IT Web Design
- CGS 4855 Intermediate Web Development (jQuery)
- CIS 3360 Principles of Information Security
- CIS 3362 Cryptography and Information Security
- CIS 3367 Architecting Operating System Security
- CIS 3932 Special Topics for Information Technology
- CIS 4204 Ethical Hacking
- CIS 4253 IT Ethics
- CIS 4361 Information Technology Security Management
- CIS 4365 Computer Security Policies and Disaster Preparedness
- CIS 4368 Database Security and Audits
- CIS 4412 Information Technology Resource Management
- CIS 4510 IT Project Management
- CIS 4932 Special Topics for Information Technology
- CIS 4935 Senior Project in Information Technology
- COP 1930 Special Topics for Information Technology
- COP 2930 Special Topics for Information Technology
- COP 2931 Special Topics for Information Technology
- COP 3515 Program Design for Information Technology
- COP 3718 Intermediate Database Systems
- COP 3931 Special Topics for Information Technology
- COP 4610 Operating Systems for Information Technology
- COP 4610L Operating Systems Laboratory for Information Technology
- COP 4814 Web Services
- COP 4816 XML Applications
- COP 4834 Data-Driven Web Sites
- COP 4931 Special Topics for Information Technology
- EEL 4782 Computer Information Networks for Information Technology
- EEL 4782L Information Networks Laboratory for Information Technology
- EEL 4854 Data Structures and Algorithms for Information Technology
- ETG 3612 Operations Management
- ETG 3931 Special Topics in Information Technology
- ETG 3933 Selected Topics in Technology
- ETG 3934 Selected Topics in Technology II
- ETG 4930 Special Topics in Information Technology
- LIS XXXX Approved Information Science elective

College EXIT Requirement (3 credit hours):
- IDS 4934 Senior Capstone for BSAS/BGS

BSAS – Information Technology Concentration (ATC) – 24 credits
The Information Technology concentration is designed to bridge the gap between computer science and the business use of computers. Emphasis is placed on knowledge-based computer and information technology as well as applications, programming and networking in an era of rapidly changing technology.

Entrance Requirement for IT concentration: Students must have completed the A.S. degree with a major in Information Technology, Computer Science, Networking, or a closely related field.

Concentration Requirements (10 credit hours):
- CGS 3303 Information Technology Concepts
- EEL 4782 Computer Information Networks for IT
- EEL 4782L Computer Information Networks for IT Lab
### Electives (11 credit hours):
- CDA 3101 Computer Organization for IT
- CEN 3722 Human Computer Interfaces for IT
- CEN 4031 Software Engineering Concepts for IT
- CGS 2060 Intro to Computers and Programming
- CGS 2094 Cyber Ethics
- CGS 3845 Electronic Commerce
- CGS 3853 IT Web Design
- CIS 3932 Selected Topics for IT
- CIS 4361 Information Technology Security Management
- CIS 4412 Information Technology Resource Management
- COP 2510 Programming Concepts
- COP 2931 Selected Topics for Information Technology
- COP 3515 Program Design for IT
- COP 3931 Selected Topics for IT
- COP 4610 Operating Systems for IT
- COP 4703 Database Systems for IT
- EEL 4854 Data Structures and Algorithms for IT
- ETG 4932 Selected Topics in Technology II

### College EXIT Requirement (3 credit hours):
- IDS 4934 Senior Capstone for BSAS/BGS

### BSAS – Leadership Studies Concentration (ALS) – 24 credits

The Leadership Studies program is interdisciplinary in nature and is a significant benefit to students in all areas of study. Courses are designed to give students a practical and theoretical grasp of leadership on the basic assumption that leadership can be learned and, therefore, taught. The program has a unique approach to leadership that combines practical theories and opportunities for students to study the characteristics of authority, leadership, social and role dynamics, political processes and the values that orient their careers.

#### Concentration Requirements (3 credit hours):
- LDR 4104 Theories of Leadership

#### Electives (3 credit hours):
- LDR 2010 Leadership Fundamentals
- LDR 3331 Leading in the Workplace

#### Electives (9 credit hours):
- LDR 3214 Leadership in the Fraternal Movement
- LDR 3280 Leadership in the Political Context
- LDR 3930 Special Topics (repeatable with different topics)
- LDR 4114 Survey of Leadership Readings
- LDR 4164 Organizational Theory/Process
- LDR 4564 Images of Leadership in the Media

#### Electives (6 credit hours):
- LDR 3115 Contemporary Issues in Leadership
- LDR 3216 Leadership and Social Change
- LDR 3263 Community Leadership Practicum
- LDR 4204 Ethics and Power in Leadership
- LDR 4230 Global Leadership

#### College EXIT Requirement (3 credit hours):
- IDS 4934 Senior Capstone for BSAS/BGS

### BSAS - Public Administration Concentration (APU) – 24 credits

The Public Administration concentration courses will benefit those students preparing for a career in local, state, or federal agencies of government, non-profit organizations, and special service districts and/or graduate work in public administration and related fields.

#### Concentration Requirements (15 credit hours):
- PAD 3003 Introduction to Public Administration
- PAD 4204 Public Financial Administration
- PAD 4415 Personnel and Supervision in Today’s Organizations
PAD 4712 Managing Information Resources in the Public Sector
PAD 4144 Nonprofit Organizations and Public Policy

Electives (6 credit hours):
PAD 4930 Selected Topics in Public Administration
PAD 5XXX Any 5000-level course with a PAD prefix
POS 3182 Florida Politics and Government
URP 4050 City Planning and Community Development
URS 3002 Introduction to Urban Studies

College EXIT Requirement (3 credit hours):
IDS 4934 Senior Capstone for BSAS/BGS

BSAS – Public Health Concentration (APL) – 24 credits
Upon completion of the Public Health concentration coursework, a student will be able to articulate the role of public health in disease prevention and health promotion at the local, state, national and global level, describe public health concepts and issues, discuss and analyze current public health issues, describe career paths in public health, and develop an understanding of public health that can serve as a foundation for graduate coursework in the field.

Concentration Requirements (9 credit hours):
PHC 4101 Introduction to Public Health
PHC 4030 Introduction to Epidemiology
HSC 4551 Survey of Human Disease

Electives (12 credit hours):
HSC 3541 Human Structure and Function
HSC 4172 Women's Health: A Public Health Perspective
HSC 4211 Health, Behavior and Society
HSC 4430 Occupational Health and Safety
HSC 4504 Foundations of Public Health Immunology
HSC 4537 Medical Terminology
HSC 4579 Foundation of Maternal and Child Health
HSC 4573 Foundations of Food Safety
HSC 4624 Foundations of Global Health
HSC 4630 Understanding U.S. Health Care
HSC 4631 Critical Issues in Public Health
HSC 4933 Special Topics in Public Health
HUN 3272 Sports Nutrition
HUN 3296 Nutrition and Disease
PHC 4031 Emerging Infectious Diseases
PHC 4069 Biostatistics in Society
PHC 4241 Mental Health and Disasters
PHC 4406 Pop Culture, Vices, and Epidemiology
PHC 4542 Stress, Health and College Life
PHC 4720 Foundation to Professional Writing in Public Health
PHC 4931 Health Care Ethics

College EXIT Requirement (3 credit hours):
IDS 4934 Senior Capstone for BSAS/BGS

BSAS – Urban Studies Concentration (AUR) – 24 credits
The Urban Studies concentration offers students the opportunity to supplement their education and training with a focus on the problems and potential of the urban world around us. Understanding the economic, social, cultural, political and spatial phenomena of urban areas, and how they came to be, is essential if one is to thrive in today's world.

Concentration Requirements (6 credit hours):
URS 3002 Introduction to Urban Studies
PAD 3003 Introduction to Public Administration

Electives (6 credit hours):
URP 4050 City Planning and Community Development
URP 4052 Urban and Regional Planning
URP XXXX An approved URP course or URS XXXX An approved URS course

Electives (9 credit hours):
AMH 3423 Modern Florida
AMH 3500 American Labor History
VISION
The University of South Florida’s Leadership Studies Program will seek to develop students into knowledgeable, capable, and ethical leaders who are inspired and prepared to effectively engage the complex challenges of leadership and affect positive change in their personal lives, organizations, communities, the nation and the world.

MISSION
The University of South Florida’s Leadership Studies Program provides intentional and rigorous academic courses that educate students in a cross-disciplinary understanding of leadership. This is achieved through a diverse, relevant, and comprehensive curriculum emphasizing active-collaborative learning, self-reflection and critical thinking.

PROGRAM DESCRIPTION
The leadership Studies Program is interdisciplinary in nature and is a significant benefit to students in all areas of study. Courses are designed to give students a theoretical and practical grasp of leadership relying upon the basic assumption that leadership can be learned and, therefore, taught. The program takes a unique approach to leadership education that combines practical application of leadership theories and opportunities for students to study the characteristics of authority, leadership, social dynamics, political processes and the values that orient human behavior.

The minor in Leadership Studies consists of a minimum of 15 credit hours with a minimum grade of C (not C-) better in each course.

CORE COURSES (all are required to receive the Minor)
- LDR 2010 Fundamentals of Leadership or LDR 3331 Leading in the Workplace
- LDR 4104 Theories of Leadership*
- LDR 4951 Leadership Capstone Seminar (preferred taken as last course)*

One course must be taken from each of the following Dimensions of Leadership:

PERSONAL DIMENSIONS OF LEADERSHIP (at least one course for 3 credits)
- LDR 4114 Survey of Leadership
- LDR 4564 Images of Leadership in the Media
- LDR 4204 Ethics and Power in Leadership
- LDR 3115 Contemporary Issues in Leadership

Requirements for the Minor in Leadership Studies (LDS)
Location/Phone: SVC 2003; (813) 974-4051
Web Address: http://www.ugs.usf.edu/academic/lsmminor.htm

One course must be taken from each of the following Dimensions of Leadership:
LDR 3930 Selected Topics

GLOBAL AND ORGANIZATIONAL DIMENSIONS OF LEADERSHIP (at least one course for 3 credits)
LDR 3263 Community Leadership Practicum*
LDR 3280 Leadership in the Political Context
LDR 4164 Organizational Theories and Processes*
LDR 4230 Global Leadership
LDR 3216 Leadership and Social Change*
COM 3120 Organizational Communication
LDR 3930 Selected Topics
*These courses require LDR 210.1 Fundamentals of Leadership with a minimum grade of C- as a prerequisite.

Joint Military Leadership Center at USF

Location/Phone: CWY 407; (813) 974-2025
Web Address: http://www.ugs.usf.edu/jmslc/jmslc.htm

The Mission of the Joint Military Leadership Center’s is to provide Reserve Officers Training Corps (ROTC) cadets/midshipmen/officer candidates with unique core competencies and skills in leadership development, global understanding, and National security/military/defense strategies. They will oversee and provide an academically-structured, research-based, and values-driven program that educates, trains, and prepares Military Officers and Service Leaders for their leadership roles in the continuing transformation of America’s Armed Forces in the dynamic and challenging global environment.

The University of South Florida is one of only 38 campuses in the Nation that have ROTC programs from all of the Nation’s Armed Services (Army, Marine Corps, Navy, and Air Force). A total of 338 college and university campuses in America host an ROTC program from at least one Armed Service. More than 500 undergraduate men and women currently participate in the USF ROTC programs. Most of them attend undergraduate classes exclusively at USF, but many are undergraduate students at nearby colleges and universities that do not have their own ROTC program, faculty, and facilities. Consistent with the mission of USF, a premier, metropolitan-based, research university, The Joint Military Leadership Center focuses on the nature and meaning of effective leadership in a changing environment through high quality classroom delivery, structured research, and community-based experiences.

The Joint Military Leadership Center at the University of South Florida represents a unique, national leadership development model that supplements and strengthens the intellectual and pedagogical expertise of a major, public research university and a strong ROTC tradition. ROTC has witnessed significant expansion at the University of South Florida since the establishment of Air Force (1981), Army (1975) and Naval (2002) units. The ROTC Program is academically housed in Undergraduate Studies along with the University’s well-regarded interdisciplinary program in Leadership Studies.

The Joint Military Leadership Center develops and implements educational programs to enhance the quality of the ROTC curriculum which includes sponsorship of relevant speakers from the military services, major Combatant Commands, the Department of Defense, the Interagency and the Senior National Representatives of the U.S. Central Command Coalition; joint activities for all ROTC units; and the ROTC Living Learning Community (LLC) established in the university’s Housing and Residential Education Department. In this way USF, through its ROTC programs, plays a significant role in the education and development of student leaders who, in turn, experience and understand the unique challenges associated with leadership in a joint strategic military environment as they train to become skilled Officers in the Nation’s Armed Services.

Aerospace Studies

Air Force ROTC

Location/Phone: CWY 407; (813) 974-3367
Web Address: http://web.usf.edu/airforce/

The Air Force Reserve Officer Training Corps (AFROTC) curriculum includes 14-16 credit hours of instruction by active duty Air Force officers over a three to four-year period. A student who successfully completes the AFROTC program and a Bachelor’s degree will receive an Air Force commission as a Second Lieutenant and enter active duty in the United States Air Force.

AFROTC is offered as a three- or four-year program. Both programs require a student to successfully complete all degree requirements toward a Bachelor’s degree, 14 or 16 credit hours of AFROTC classes, and a four-week field training encampment during the summer between his/her sophomore and junior years.

AFROTC students are also required to take a 2 hour non-credit leadership laboratory each semester. Students wear the Air Force uniform during these periods, complete syllabus directed leadership training, and learn the military
customs and courtesies of the Air Force. Leadership Laboratory is only offered 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.

Furthermore, AFROTC students are required to attend two physical training sessions each week in order to successfully complete the Air Force Physical Fitness Assessment. Physical training sessions are scheduled Tuesday and Thursday at 6:00am at USF and Wed at 7:00am at the University of Tampa.

AFROTC scholarships may be available for eligible applicants who meet highly competitive nationwide criteria established by AFROTC Headquarters. The scholarships may pay all tuition, fees, books, and a $300 - $500 per month tax-free stipend. Those interested in more information about scholarship criteria should contact the AFROTC Department or visit www.afrotc.com for the most current scholarship information. A student may enroll in the AFROTC program without an AFROTC scholarship.

Students interested in joining AFROTC must contact the Air Force ROTC Office at 813-974-3367 to schedule a "paperwork session" one semester prior to entering the program.

Requirements for the Minor in Aerospace Studies (AEO)

The Minor in Aerospace Studies provides students with an understanding of management and leadership concepts as they relate to military officers. Additionally, students analyze the evolution of American defense policy and strategy, with emphasis placed on the development of individual communication skills. In order for a 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 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.

Required courses (12 credit hours):
- AFR 3220 Air Force Leadership and Management I
- AFR 3231 Air Force Leadership and Management II
- AFR 4201 National Security Affairs and Preparation for Activity Duty I
- AFR 4211 National Security Affairs and Preparation for Active Duty II

Electives (4 credit hours):
- AFR 1101 Foundation of the United States Air Force Part I
- AFR 1120 Foundation of the United States Air Force Part II
- AFR 2130 The Evolution of USAF Aerospace Power Part 1
- AFR 2140 The Evolution of USAF Aerospace Power Part 2

Optional Courses:
- MSL 1001C Leadership in the Army Profession
- MSL 1002C Leadership Models and Methods
- MSL 2101C Individual Leadership Studies
- MSL 2102C Leadership in Changing Environments
- MSL 3201C Leading Teams
- MSL 3202C Leading Small Units
- MSL 4302C Preparing for Army Leadership

Aerospace Studies Faculty

Professor: Col K.E. Garland; Assistant Professors: Lt Col M. Llewellyn; Major M. Moreno.

Military Science

Army Reserve Officers Training Corps (ROTC)

Location/Phone: CWY 405; (813) 974-4065
Web Address: http://armyrotc.com/edu/univsouthfl
Contact Email: arotcgb@usf.edu

The Department of Military Science for Army Reserve Officers Training Corps (AROTC) 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
Army ROTC training provides scholarships, pay, free uniforms and textbooks for scholarship and/or contracted Cadets. Scholarships are awarded on a competitive basis in all academic majors. The scholarship pays full tuition or room and board, books, lab and mandatory fees, and certain other academic expenses.

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 and a half 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. Students registering for the Advanced Course must have met all requirements for Basic Course completion. The Advanced Course is designed to prepare the student who desires to be a Professional Army Officer for duty in the Active Army, Reserve or National Guard. Additional 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, infantry, armor, engineering, medical, 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.

Requirements for the Minor in Military Science (MTY)

The minor in Military Science entails an 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 (14 credit hours):

- MSL 3201C Adaptive Team Leadership
- MSL 3202C Leadership in Changing Environments
- MSL 4301C Developing Adaptive Leaders
- MSL 4302C Leadership in a Complex World
- MSL 2900* Army Physical Readiness

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

Electives (4 credit hours):

- MSL 1001C Leadership and Personal Development
- MSL 1002C Introduction to Tactical Leadership
- MSL 2101C Innovative Team Leadership
- MSL 2102C Foundations of Tactical Leadership
Fords selected men and women the opportunity to receive instruction in Navy Nurses as
ent is eligible to apply for a two
covers tuition, fees, books and a stipend akin to the 4
NROTC unit based on past academic performance, potential, physical fitness and advisor evaluations. This scholarship
sophomores each year. Each stud
advanced course in the junior year. The Navy pays for uniforms and naval science textbooks for the freshman and
commissioning. Selected students are appointed as midshipmen in the Naval Reserve prior to commencement of the
The Navy
Marine option.
Marine Corps and serve o
curriculum, the midshipman will receive a commission as Ensign in the U.S. Navy or Second Lieutenant in the U.S.
requirements of the Navy. Other fields of study for a major leading to a Baccalaureate degree are permitted, with th
is encouraged to pursue a major in engineering, mathematics, chemistry, or physics to meet the technological
or better and with no grade below “C”. Although it is not a requirement, a student in
completed at least one, but not more than two semesters of course work at the university with a cumulative GPA of 3.0
students with academic potential who have yet to demonstrate th
Professor of Naval Science scholarships are available through a competitive selection process to Black and Hispanic
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
uniforms and naval science textbooks for the freshman and

Military Science Faculty

Professor: LTC A. Espinosa; Assistant Professors: MAJ B. Dunker, MAJ S. Dunkle, MSG J. Brennan, MSG(R) W. Patterson, SFC J. Stapel, MAJ(R) J. Livingston, 2LT T. Schnaufer, 1LT J.E. Schulze, SFC M. Ramirez.

Naval Science

Naval ROTC

Location/Phone: CWY 406; (813) 974-4789
Web Address: http://web.usf.edu/nrotc
Contact Email: 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 program, at naval installations all over the world, or in the numerous sub-specialities 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 three programs: (1) the Navy-Marine Corps Scholarship Program, (2) the Navy-Marine Corps College Program, and (3) the Two-Year NROTC Scholarship Program.

The Navy-Marine Corps 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 a 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 commission as Ensign in the U.S. Navy or Second Lieutenant in the U.S. Marine Corps and serve on active duty for a minimum of five years for Navy option and four years for Navy Nurse and Marine option.

The Navy-Marine Corps Four-Year 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 for the freshman and sophomores each year. Each student is eligible to apply for a two- or three-year Sideload Scholarship through the NROTC unit based on past academic performance, potential, physical fitness and advisor evaluations. This scholarship covers tuition, fees, books and a stipend akin to the 4-Year Scholarship Program. Other students may receive Advanced
Standing which only provides a stipend. Those students who do not obtain a Sideload Scholarship or Advanced Standing by their junior year will be dropped from the program. 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 commission as an Ensign in the U.S. Navy or a Second Lieutenant in the U.S. Marine Corps and serve on active duty for a minimum of five years.

Two-Year NROTC Scholarship Program

The two-year scholarship program is offered on a limited basis 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 excel in a math, physical science, or engineering major and who has demonstrated above average performance in integral calculus. 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 and will be awarded a full tuition scholarship to include books, lab fees and a monthly stipend.

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 commission as an Ensign in the U.S. Navy and serve on active duty for a minimum of five years for Navy option and four years for Navy Nurse and Marine option.

Summer Training

The NROTC 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. The second summer training period will be performed aboard operational ships of the U.S. Fleet. During the third summer, candidates for U.S. Navy commissions will perform training aboard operational ships or aviation squadrons 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, “OCS,” is a six-week training program designed to prepare midshipmen 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:**
- NSC 1110 Introduction to Naval Science (See Note 1)
- NSC 1101L Naval Science Laboratory
- NSC 1140 Sea Power and Maritime Affairs (See Note 1)

**Sophomore Year:**
- (MAC 2311 Calculus I and MAC 2312 Calculus II) or (MAC 2281 Engineering Calculus I and MAC 2282 Engineering Calculus II) (See Note 4)
- NSC 1101L Naval Science Laboratory
- NSC 2212C Navigation/Naval Operations I: Navigation (See Note 2)
- NSC 2220 Evolution of Warfare (See Note 3)
- NSC 2231 Principles of Naval Management I (See Note 1)

**Junior Year:**
### Naval Science Laboratory

- **NSC 1101L**: Naval Science Laboratory
- **NSC 2121**: Naval Ships System I (See Note 2)
- **NSC 3123**: Naval Ships Systems II (See Note 2)
- **PHY 2048 and PHY 2049 Physics I and II (See Note 4)**

### Senior Year:

- **NSC 1101L**: Naval Science Laboratory
- **NSC 3214C**: Navigation/Naval Operations II: Seamanship & Ship Operations (See Note 2)
- **NSC 4224**: Amphibious Warfare (See Note 3)
- **NSC 4232**: Principles of Naval Management II

### NOTES:

1. Undergraduate Naval Sciences required to be completed for all students before Fall semester junior year.
2. Upper-division Naval Science courses required of Navy Options and not required of Marine Options.
3. Required of Marine Option midshipmen only.
4. One year of each calculus and calculus-based physics is required for every Navy option scholarship student. It is recommended, but optional for College Program and 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.

### Requirements for the Minor in Naval Science and Leadership (NSL)

The minor in Naval Science and Leadership entails an 18-hour program organized and coordinated through the Department of Naval Science. A minimum of 14 of the 18 credit 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 Naval leadership doctrine and the fundamental principles by which Navy and Marine Corps leaders act to accomplish their mission. The minor lays out a framework by which the Navy and Marine Corps conduct routine operations and planning and it also provides a foundation in design theory with a practical application to naval platforms and weapon systems. Special emphasis is placed on character development and effective communication skills.

**Required courses (12 credit hours):**

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>NSC 1110</td>
<td>Introduction to Naval Science</td>
</tr>
<tr>
<td>NSC 1140</td>
<td>Sea Power and Maritime Affairs</td>
</tr>
<tr>
<td>NSC 2231</td>
<td>Principles of Naval Management I</td>
</tr>
<tr>
<td>NSC 4232</td>
<td>Principles of Naval Management II</td>
</tr>
</tbody>
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**Electives (6 credit hours):**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSC 2121</td>
<td>Naval Ship Systems I</td>
</tr>
<tr>
<td>NSC 2212C</td>
<td>Navigation/Naval Operations I: Navigation</td>
</tr>
<tr>
<td>NSC 2221</td>
<td>Evolution of Warfare</td>
</tr>
<tr>
<td>NSC 3123</td>
<td>Naval Ship Systems II</td>
</tr>
<tr>
<td>NSC 3214C</td>
<td>Navigation/Naval Operations II: Seamanship and Ship Operations</td>
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<tr>
<td>NSC 4224</td>
<td>Amphibious Warfare</td>
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### Naval Science Faculty

*Professor: K. Kenney; Assistant Professors: C. Walters, I. Hayes, B. Hawkins, J. Diehl.*
Office for Undergraduate Research

Location/Phone: LIB 210; (813) 974-6842
Web Address: http://lib.usf.edu/undergraduate-research/
Contact Email: ur@ur.usf.edu

The Office for Undergraduate Research (OUR) promotes mentored research across all disciplines by partnering with faculty and staff in all academic programs, administrative units and within the community. The office assists students, faculty, staff, administrators and community leaders in establishing research experiences that are designed to enhance a student’s academic progression and foster deeper immersion in the field. The office elevates the research experience by providing all participants professional development and mentoring workshops, research training, publication and funding opportunities. Located on the second floor of the Tampa campus library, the office offers a variety of resources and services to assist student researchers. OUR services include:

- research self-assessment tools and other resources that support development of a research plan
- a comprehensive workshop series that assists students in getting started in research and researching mentors
- listing of research positions across multiple disciplines
- research consultation with OUR staff
- assistance with setting up 0-credit and for-credit research courses that will track on the transcript
- numerous scholarships that support research activities

The Office for Undergraduate Research hosts the annual Undergraduate Research and Art Colloquium, which provides an opportunity for undergraduate students across all disciplines to present their current research and interact with faculty, community leaders and peers. Students who participate in undergraduate research and utilize the services of the OUR will develop critical thinking skills, show better academic performance, gain invaluable experience, learn to bring research to their conversation and develop mentoring relationships that last for a lifetime.