2005

Center for Undergraduate Studies 2005-2006 Catalog

Nova Southeastern University

Farquhar College of Arts and Sciences Student Catalog 2005–2006

Published July 1, 2005

The Farquhar College of Arts and Sciences Student Catalog is a resource for information about academic program and curriculum requirements, academic policies, procedures for resolving academic and administrative grievances, course descriptions, and other information relevant to an undergraduate program in the Farquhar College of Arts and Sciences.

Students are bound by policies published in the catalog in effect the semester they enter the university unless an agreement is made with appropriate NSU administration officials to abide by policies published in a later catalog. Policies and requirements, including fees, are subject to change without notice at any time at the discretion of the Nova Southeastern University administration.

The Student Catalog is published by the Farquhar College of Arts and Sciences Office of Information Services (OIS). For questions and comments about the catalog, contact:

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Overview of Undergraduate Studies at NSU

Undergraduate students at Nova Southeastern University earn degrees in four colleges:

The Farquhar College of Arts and Sciences
The Farquhar College of Arts and Sciences offers bachelor of arts and bachelor of science degrees in 16 majors organized in three divisions: the Division of Humanities; the Division of Math, Science, and Technology; and the Division of Social and Behavioral Sciences.

The Fischler School of Education and Human Services
The Fischler School of Education and Human Services offers the bachelor of science degree in three majors. For more information about undergraduate education programs, see the *Correspondence Directory* for appropriate contact information.

The H. Wayne Huizenga School of Business and Entrepreneurship
The H. Wayne Huizenga School of Business and Entrepreneurship offers the bachelor of science degree in five majors. For more information about undergraduate business programs, see the *Correspondence Directory* for appropriate contact information.

The College of Allied Health and Nursing
The Health Profession Division's College of Allied Health and Nursing offers a bachelor of science degree through the Department of Nursing and a bachelor of health science degree through the Department of Health Science. For more information about undergraduate health science and nursing programs, see the *Correspondence Directory* for appropriate contact information.

All undergraduate students at NSU undertake comprehensive general education coursework through the Farquhar College of Arts and Sciences. General education coursework is spread across the areas of composition; mathematics; humanities; social and behavioral sciences; and natural and physical sciences. In addition to general education requirements, the Writing Across the Curriculum initiative requires that written assignments make up at least one third of the final grade for each course.

Courses emphasize high quality instruction, small class size, and personal attention by an accomplished faculty of noted researchers, published authors, journal editors, and consultants. In addition to close faculty-student relationships, the university provides resources outside the classroom to help NSU undergraduates achieve their academic goals.

Welcome Messages

Nova Southeastern University

President's Message

Since 1964, when a small group of progressive men and women first broke ground on an independent institution of academic excellence in Fort Lauderdale, Nova Southeastern University has grown to a position of strength as the largest private institution of higher education in the southeastern United States. Since I began my tenure over eight years ago as NSU's president, I have remained steadfast in my goal—to continue developing high quality academic programs that prepare students for leadership positions and emerging challenges of the 21st century.

The NSU learning environment focuses on providing students with high quality educational opportunities—on campus or off. In our pursuit of excellence, the university holds to certain values, including collaboration, community service, diversity, educational access, entrepreneurship, innovation, and integrity. Each year we build on these values by incorporating new academic programs into our educational community while encouraging our colleges, schools, and centers to approach ideas and issues from a multidisciplinary perspective.

The Farquhar College of Arts and Sciences, dedicated to those values, is at the heart of our academic community. The Farquhar College of Arts and Sciences, with a focus on academic excellence and open intellectual exploration, educates its students through a diverse spectrum of majors representing the humanities, math, science and technology, and social and behavioral sciences. The college also provides a broad liberal arts education—including critical thinking, communication, and research skills—for all NSU undergraduates as they prepare to become responsible citizens of the world.

Our educational values are also being supported by the realization of dreams for campus expansion. In recent years, we have opened the Jim and Jan Moran Family Center Village, a role model for early education programs across the country. We also opened the Carl DeSantis Building, home to the H. Wayne Huizenga School of Business and Entrepreneurship and the Graduate School of Computer and Information Sciences, which has been designated a National Center of Academic Excellence in Information Assurance Education by the U.S. Department of Homeland Security.

Because we believe in the importance of research and scholarship at all academic levels, we are proud that the Alvin Sherman Library, Research, and Information Technology Center supports NSU's strong academic research environment. Together with the Rose and Alfred Miniaci Performing Arts Center, the library also serves both NSU's academic community and the residents of Broward County.

Last year, we broke ground on the NSU University Center, a 260,000 square-foot recreation and athletic complex in the center of main campus. Scheduled for completion in 2006, it will be home to an athletic arena and sports venues, as well as classrooms, a cafeteria, conference and banquet rooms, and a performing arts wing that will house a black box theater, a music recital hall, rehearsal space, and other facilities that will support development of theatre, music, and other creative activities.

Development of these excellent campus facilities, along with supporting the dedicated faculty and staff who inhabit them, translate into an atmosphere of achievement where our students will continue to find the education and preparation they need to compete in the dynamic, technology-intensive workplace. Everyone associated with Nova Southeastern University can take pride in the excellence we have achieved thus far and look forward to a very exciting future. While we have done so much so quickly, we are still young and growing. We will continue to seek ways to better ourselves every day and we will aim to surpass even our own high standards of excellence in academics, research, technology, and community service.

Ray Ferrero, Jr.
President, Nova Southeastern University

Mission Statement

Nova Southeastern University is a dynamic, not-for-profit independent institution dedicated to providing high-quality educational programs of distinction from preschool through the professional and doctoral levels, as well as service to the community. Nova Southeastern University prepares students for lifelong learning and leadership roles in business and the professions. It offers academic programs at times convenient to students, employing innovative delivery systems and rich learning resources on campus and at distant sites. The university fosters inquiry, research, and creative professional activity, by uniting faculty and students in acquiring and applying knowledge in clinical, community, and professional settings.

Accreditation

Nova Southeastern University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097, Telephone number: 404-679-4501) to award associate's, bachelor's, master's, educational specialist, and doctoral degrees.

Nondiscrimination Statement

Consistent with all federal and state laws, rules, regulations, and/or local ordinances (e.g. Title VII, Title VI, Title III, Title II, Rehab Act, ADA, Title IX), it is the policy of Nova Southeastern University not to engage in discrimination or harassment against any persons because of race, color, religion or creed, sex, pregnancy, national or ethnic origin, nondisqualifying disability, age, ancestry, marital status, sexual orientation, unfavorable discharge from the military, veteran status, political beliefs or affiliations, and to comply with all federal and state nondiscrimination, equal opportunity and affirmative action laws, orders, and regulations.

This nondiscrimination policy applies to admissions, enrollment, scholarships, loan programs, athletics, employment, and access to, participation in, and treatment in all university centers, programs, and activities. NSU admits students of any race, color, religion or creed, sex, pregnancy, national or ethnic origin, nondisqualifying disability, age, ancestry, marital status, sexual orientation, unfavorable discharge from the military, veteran status, political beliefs or affiliations, and activities generally accorded or made available to students at NSU and does not discriminate in the administration of its educational policies, admission policies, scholarship and loan programs, and athletic and other school administered programs.

Membership

Nova Southeastern University is a member of the following organizations:

American Association for Higher Education (AAHE)
American Association of Colleges for Teacher Education (AACTE)
American Council on Education (ACE)
Association for Institutional Research (AIR)
Association of American Colleges & Universities (AAC&U)
Association of Independent Schools of Florida (AISF)
Association of Governing Boards of Universities & Colleges (AGB)
Coalition of Essential Schools (CES)
College Board
Commission for Independent Education
Conference of Southern Graduate Schools (CSGS)
Council for Adult and Experiential Learning (CAEL)
Council of Graduate Schools (CGS)
Council of Independent Colleges (CIC)
Educational Records Bureau (ERB)
Florida Association of Collegiate Registrars and Admissions Officers (FACRAO)
Florida Council of Independent Schools (FCIS)
The Foundation for Independent Higher Education (FIHE)
Independent Colleges and Universities of Florida (ICUF)
NAFSA: Association of International Educators
National Association of College and University Attorneys (NACUA)
National Association of College and University Business Officers (NACUBO)
National Association of Independent Colleges & Universities (NAICU)
National Association of Independent Schools (NAIS)
Society for College and University Planning (SCUP)
Southeast Florida Career Consortium of Private Universities (SFCC)
Southern Association of Colleges and Schools (SACS)
Southern Association of College and University Business Officers (SACUBO)
University Continuing Education Association

Farquhar College of Arts and Sciences

Dean's Message

Welcome to Nova Southeastern University and the Farquhar College of Arts and Sciences. At NSU, students enroll in a diverse array of majors and minors, working closely with outstanding faculty and learning resources, to pursue their educational goals. Our mission is to serve all undergraduate students with personalized, attentive, caring, and high quality academic experiences that support their personal and professional development.

In the Farquhar College of Arts and Sciences we focus on developing critical thinking, communications, and writing skills and preparing our students in their programs of study with the tools and specialized knowledge necessary for professional success. Our students receive a comprehensive education that helps them directly enter the workforce after graduation or continue their education in graduate or professional school.

We are also focused on preparing students for the challenges of an increasingly diverse and complex global society. We emphasize intellectual community among our students and faculty members and provide the broad liberal arts background and values that will support them for a lifetime of well-rounded, engaged citizenship. Regardless of major, students receive a comprehensive general education program and have the opportunity to explore coursework as well as complementary combinations of specializations, minors, and double majors that will satisfy their academic and professional needs and their burgeoning curiosity about new subjects. We also support our students as they pursue study abroad, independent research, and creative interests that expand their experiences outside of the classroom.

The Farquhar College of Arts and Sciences and Nova Southeastern University provide exceptional opportunities and experiences. It is an exciting place to be. On behalf of our faculty and staff, I extend best wishes for a successful academic year and continued progress toward your personal and professional goals.

Don Rosenblum, Ph.D.
Dean, Farquhar College of Arts and Sciences

Mission Statement

The Farquhar College of Arts and Sciences at Nova Southeastern University provides foundational study in core and emerging disciplines and technologies to prepare students for graduate and professional study, career development, and responsible citizenship.

Academic Calendars

2005 Fall Semester is August 17 to December 17, 2005.
2006 Winter Semester is January 4 to May 6, 2006.
2006 Summer I and II is May 8 to July 29, 2006.

Academic Calendar Fall 2005

Activity	Date
Fall 2005 (200620)	Wed, Aug 17 - Sat, Dec 17, 2005
Registration for Fall 2005	
New Students	Mon, Mar 14 - Sun, Aug 7, 2005
Honors, Online, and Continuing Athletes (via Adviser)	Mon, Mar 7 - Sun, Aug 7, 2005
Continuing Students (via Adviser or Web)	Mon, Mar 14 - Sun, Aug 7, 2005
University Student Services Fee for Fall Term ($250)	Fee for Fall assessed upon registration
New Freshman Orientation (attendance is required for 1st time registration)	Thu, Jul 7 - Fri, Jul 8, 2005
	Tue, Jul 12 - Wed, Jul 13, 2005
	Tue, Jul 26 - Wed, Jul 27, 2005
	Wed, Aug 3 - Thu Aug 4, 2005
	Mon, Aug 8 - Tue, Aug 9, 2005
New Transfer Student Orientation (attendance is required for 1st time registration)	Tue, Jun 28, 2005
	Fri, Jul 15, 2005
	Thu, Jul 21, 2005
	Mon, Aug 1, 2005
Career Development Orientation	Tue, Jul 19, 2005
	Sat, Jul 30, 2005
	Sat, Aug 6, 2005
New Online Career Development Student Orientation	Upon full admission
Late Registration for Fall 2005 Begins ($100)	Sun, Aug 7, 2005
Convocation (Welcome Night)	Mon, Aug 22, 2005
Term Drop Periods for 1st Part of Fall Term	
Prior to 1st day of class (100% refund)	Tue, Aug 16, 2005
During first 7 Days of term (75% refund)	Wed, Aug 17 - Tue, Aug 23, 2005
During 8th through 14th days of term (50% refund)	Wed, Aug 24 - Tue, Aug 30, 2005
Fall Classes Begin (1st 8-week term)	Wed, Aug 17, 2005
End of Adjustments to Class Schedule (Drop/Add Period)	Tue, Aug 23, 2005
Labor Day (University Closed)	Mon, Sep 5, 2005
Last Day to Pay Fall Tuition to Avoid Late Fee ($50)	Thu, Sep 15, 2005
Last Day to Withdraw (1st 8-week term)	Tue, Sep 20, 2005
Rosh Hashanah Eve (No Evening Classes)	Mon, Oct 3, 2005
Rosh Hashanah (University Closed)	Tue, Oct 4, 2005
Yom Kippur Eve (No Evening Classes)	Wed, Oct 12, 2005

Yom Kippur (University Closed)	Thu, Oct 13, 2005
Registration for Winter 2006 (200630)	
New Students (attendance at Orientation required)	Mon, Oct 17 - Fri, Dec 23, 2005
Honors, Online and Continuing Athletes (via Adviser)	Mon, Oct 10 - Fri, Dec 23, 2005
Continuing Students (via Adviser or Web)	Mon, Oct 17 - Fri, Dec 23, 2005
University Student Services Fee for Winter term ($250)	Fee for Winter assessed upon registration
Fall Classes End (1st 8-week term)	Tue, Oct 18, 2005
Term Drop Periods for 2nd Part of Fall Term	
Prior to 1st day of class (100% refund)	Tue, Oct 18, 2005
During first 7 Days of term (75% refund)	Wed, Oct 19 - Tue, Oct 25, 2005
During 8th through 14th days of term (50% refund)	Wed, Oct 26 - Tue, Nov 1, 2005
Fall Classes Begin (2nd 8-week term)	Wed, Oct 19, 2005
End of Adjustments to Class Schedule (Drop/Add Period)	Tue, Oct 25, 2005
No Classes	Wed, Nov 23, 2005
Thanksgiving (University Closed)	Thu, Nov 24 - Fri, Nov 25, 2005
No Classes	Sat, Nov 26, 2005
Last Day to Withdraw (16-week term)	Tue, Oct 18, 2005
Last Day to Withdraw (2nd 8-week term)	Tue, Nov 22, 2005
Exam Days for 16-week classes	Wed, Dec 14 - Sat, Dec 17, 2005
Fall Term Ends	Sat, Dec 17, 2005
Late Registration for Winter 2006 ($100) begins	Sun, Dec 25, 2005
Winter Break (No Classes)	Mon, Dec 19, 2005 - Tue, Jan 3, 2006

Academic Calendar Winter 2006

Activity	Date
Winter 2006 (200630)	Wed, Jan 4 - Wed, May 6, 2006
Term Drop Periods for 1st Part of Winter Term	
Prior to 1st day of class (100% refund)	Tue, Jan 3, 2006
During first 7 Days of term (75% refund)	Wed, Jan 4 - Tue, Jan 10, 2006
During 8th through 14th days of term (50% refund)	Wed, Jan 11 - Tue, Jan 17, 2006
Winter Classes Begin (1st 8-week term)	Wed, Jan 4, 2006
End of Adjustments to Class Schedule (Drop/Add Period)	Tue, Jan 10, 2006
Martin Luther King Day (University Closed)	Mon, Jan 16, 2006
Last Day to Pay Winter Tuition to Avoid Late Fee ($50)	Thu, Feb 2, 2006
Last Day to Withdraw (1st 8-week term)	Tue, Feb 7, 2006
Winter Classes End (1st 8-week term)	Sat, Mar 4, 2006
Spring Break (No Classes)	Mon, Mar 6 - Sat, Mar 11, 2006
Registration for Summer 2006 (200650/200705)	
New Students (attendance at Orientation required)	Mon, March 13 - Sun, May 7, 2006
Honors, Online, and Continuing Athletes (via Adviser)	Mon, Mar 6 - Sun, May 7, 2006
Continuing Students (via Adviser or Web)	Mon, Mar 13 - Sun, May 7, 2006
University Student Services Fee ($250)	Fee for Summer assessed upon registration
Registration for Fall 2006 (200720)	
New Students (attendance at Orientation required)	Mon, Mar 13 - Sun, Aug 16, 2006
Honors, Online and Continuing Athletes (via Adviser)	Mon, Mar 6 - Sun, Aug 16, 2006
Continuing Students (via Adviser or Web)	Mon, Mar 13 - Sun, Aug 16, 2006
University Student Services Fee ($250)	Fee for Summer assessed upon registration
Term Drop Periods for 2nd Part of Winter Term	
Prior to 1st day of class (100% refund)	Sun, Mar 12, 2006
During first 7 Days of term (75% refund)	Mon, Mar 13 - Sun, Mar 19, 2006
During 8th through 14th days of term (50% refund)	Mon, Mar 20 - Sun, Mar 26, 2006
Winter Classes Begin (2nd 8-week term)	Mon, Mar 13, 2006
End of Adjustments to Class Schedule (Drop/Add Period)	Sun, Mar 19, 2006
Good Friday (University Closed)	Fri, Apr 14, 2006
Last Day to Withdraw (16-week term)	Tue, Mar 7, 2006
Last Day to Withdraw (2nd 8-week term)	Sun, April 16, 2006
Late Registration for Summer 2006 ($100) begins	Fri, Apr 28, 2006
Exam Days for 16-week classes	Wed, May 3 - Sat, May 6, 2006
Winter Term Ends	Sat, May 6, 2006

Academic Calendar Summer 2006

Activity	Date
Summer I 2006 (200650)	Mon, May 8- Sat, Jun 17, 2006
Summer II 2006 (200705)	Mon, Jun 19- Sat, Jul 29, 2006
Commencement Exercises	To be announced
Term Drop Periods for 1st Part of Summer Term	
Prior to 1st day of class (100% refund)	Sun, May 7, 2006
During first 7 Days of term (75% refund)	Mon, May 8 - Sun, May 14, 2006
During 8th through 14th days of term (50% refund)	Mon, May 15 - Sun, May 21, 2006
Summer I Classes Begin (1st 6-week term)	Mon, May 8, 2006
End of Adjustments to Class Schedule (Drop/Add Period)	Sun, May 14, 2006
Official End of Drop Period	Mon, May 23, 2006
Memorial Day (University Closed)	Mon, May 29, 2006
Last Day to Withdraw (1st 6-week term)	Sun, Jun 4, 2006
Last Day to Pay Summer Tuition to Avoid Late Fee ($50)	Tue, Jun 6, 2006
Summer I Classes End (1st 6-week term)	Sat, June 17, 2006
Term Drop Periods for 2nd Part of Summer Term	
Prior to 1st day of class (100% refund)	Sun, Jun 18, 2006
During first 7 Days of term (75% refund)	Mon, Jun 19 - Sun, Jun 25, 2006
During 8th through 14th days of term (50% refund)	Mon, Jun 26 - Sun, Jul 2, 2006
Summer II Classes Begin (2nd 6-week term)	Mon, Jun 19, 2006
End of Adjustments to Class Schedule (Drop/Add Period)	Sun, Jun 25, 2006
Independence Day Observance (University Closed)	Tue, Jul 4, 2006
Last Day to Withdraw (12-week term)	Sun, Jun 25, 2006
Last Day to Withdraw (2nd 6-week term)	Sun, Jul 16, 2006
Summer Term Ends	Sat, Jul 29, 2006

Correspondence Directory

Farquhar College of Arts and Sciences

Academic Divisions

Division of Humanities
Farquhar College of Arts and Sciences
Nova Southeastern University
Parker Building, Suite 380
3301 College Avenue
Fort Lauderdale-Davie, Florida 33314-7796
Telephone: (954) 262-8200
Fax: (954) 262-3881

Division of Math, Science, and Technology
Farquhar College of Arts and Sciences
Nova Southeastern University
Parker Building, Suite 300
3301 College Avenue
Fort Lauderdale-Davie, Florida 33314-7796
Telephone: (954) 262-8300
Fax: (954) 262-3931

Division of Social and Behavioral Sciences
Farquhar College of Arts and Sciences
Nova Southeastern University
Parker Building, Second Floor
3301 College Avenue
Fort Lauderdale-Davie, Florida 33314-7796
Telephone: (954) 262-7941
Fax: (954) 262-3760

Administration

Office of the Dean
Farquhar College of Arts and Sciences
Nova Southeastern University
Mailman-Hollywood Building, Second Floor
3301 College Avenue
Fort Lauderdale-Davie, Florida 33314-7796
Telephone: (954) 262-8408
Fax: (954) 262-3930

Office of Academic Services
Nova Southeastern University
Parker Building, Suite 100
3301 College Avenue
Fort Lauderdale-Davie, Florida 33314-7796
Telephone: (954) 262-8350
Fax: (954) 262-3819

Office of Admissions
Farquhar College of Arts and Sciences
Nova Southeastern University
Mailman-Hollywood Building, Room 200
3301 College Avenue
Fort Lauderdale-Davie, Florida 33314-7796
Telephone: (954) 262-8000
Fax: (954) 262-3811
Email: ncsinfo@nsu.nova.edu

Office of New Student Services and Orientation
Nova Southeastern University
Parker Building, Room 131
3301 College Avenue
Fort Lauderdale-Davie, Florida 33314-7796
Telephone: (954) 262-8050
Fax: (954) 262-3233
Email: orientation@nsu.nova.edu

Office of Operations
Farquhar College of Arts and Sciences
Nova Southeastern University
Parker Building, Room 136
3301 College Avenue
Fort Lauderdale-Davie, Florida 33314-7796
Telephone: (954) 262-8045
Fax: (954) 262-4068
Email: saf@nsu.nova.edu

Institute for Learning in Retirement
Nova Southeastern University
University Park Plaza
3424 South University Drive
Davie, Florida 33328-2022
Telephone: (954) 262-8471
Fax: (954) 262-3933
Email: ilr@nsu.nova.edu

Other NSU Undergraduate Programs

College of Allied Health and Nursing
Health Professions Division
Nova Southeastern University
3200 S. University Drive
Fort Lauderdale-Davie, Florida 33328-2018
Telephone: (954) 262-1101
Fax: (954) 262-2282
Email: cahinfo@nsu.nova.edu

Fischler School of Education and Human Services
Undergraduate Division
Nova Southeastern University
Mailman-Hollywood Building, Third Floor
3301 College Avenue
Fort Lauderdale-Davie, Florida 33314-7796
Telephone: (954) 262-7900
Fax: (954) 262-3925
Email: eduinfo@nsu.nova.edu

H. Wayne Huizenga School of Business and Entrepreneurship
Nova Southeastern University
Carl DeSantis Building
3301 College Avenue
Fort Lauderdale-Davie, Florida 33314-7796
Telephone: (954) 262-5000
Fax: (954) 262-3822
Email: info@huizenga.nova.edu

University-Wide Services

Department of Athletics
Nova Southeastern University
3301 College Avenue
Fort Lauderdale-Davie, Florida 33314-7796
Telephone: (954) 262-8250
Fax: (954) 262-3926
Email: nsuathletics@nsu.nova.edu

Office of Career Services
Nova Southeastern University
Rosenthal Student Center
3301 College Avenue
Fort Lauderdale-Davie, Florida 33314-7796
Telephone: (954) 262-7201
Fax: (954) 262-3897
Email: career@nsu.nova.edu

Office of International Students
Nova Southeastern University
Horvitz Administration Building
3301 College Avenue
Fort Lauderdale-Davie, Florida 33314-7796
Telephone: (954) 262-7200
Fax: (954) 262-3256

Office of the Registrar (One Stop Shop)
Nova Southeastern University
Horvitz Administration Building
3301 College Avenue
Fort Lauderdale-Davie, Florida 33314-7796
Telephone: (954) 262-7200
Fax: (954) 262-3256

Office of Residential Life and Housing
Nova Southeastern University
Leo Goodwin Sr. Residence Hall
3301 College Avenue
Fort Lauderdale-Davie, Florida 33314-7796
Telephone: (954) 262-7052
Fax: (954) 262-3812
Email: reslife@nsu.nova.edu

Office of Student Affairs
Nova Southeastern University
Rosenthal Student Center
3301 College Avenue
Fort Lauderdale-Davie, Florida 33314-7796
Telephone: (954) 262-7280
Fax: (954) 262-1390
Email: studentaffairs@nsu.nova.edu

Office of Student Financial Assistance
Nova Southeastern University
Horvitz Administration Building
3301 College Avenue
Fort Lauderdale-Davie, Florida 33314-7796
Telephone: (954) 262-3380
Fax: (954) 262-3966
Email: finaid@nsu.nova.edu

Programs of Study

This section outlines general academic program requirements. It includes lists of majors, minors, and other academic programs; program formats; general education requirements; and special academic programs such as honors, dual admission, and study abroad. For major descriptions, learning outcomes, and curricula refer to *Degree Requirements*.

Majors, Minors, Certificate Programs, and Specializations

This section lists all NSU undergraduate majors, minors, certificate programs, and specializations. For more information about declaring majors and minors, changing majors, and changing colleges, see *Academic Policies and Procedures*. For specific information about program requirements in the Farquhar College of Arts and Sciences, including major and minor descriptions, learning outcomes, and curricula, see *Degree Requirements*. For information about major and minor programs offered by other colleges, refer to the *Correspondence Directory* for appropriate contact information.

Students should note that not all majors are offered in all formats of study. Some majors are offered only through the Professional and Liberal Studies Program, while others are offered only through the Career Development Program. Students should check with individual colleges' academic divisions for details about program formats.

Undergraduate Majors (Organized by College)

Farquhar College of Arts and Sciences

Applied Professional Studies
Athletic Training
Biology (premedical)
Communication Studies
Computer Information Systems
Computer Science
Criminal Justice
English
Environmental Science/Studies
History
Humanities
Legal Studies
Marine Biology
Paralegal Studies
Psychology
Theatre

Fischler School of Education and Human Services

Elementary Education
Exceptional Student Education
Prekindergarten/Primary Education

H. Wayne Huizenga School of Business and Entrepreneurship

Accounting
Business Administration
Finance
Marketing
Professional Management
Sport and Wellness Studies

College of Allied Health and Nursing (Health Professions Division)

Health Science
Nursing

Undergraduate Minors (Organized by College)

Farquhar College of Arts and Sciences

Applied Statistics
Chemistry
Computer Information Systems
Counseling
Criminal Justice
English
Family Studies
Folklore and Mythology
Forensic Psychology
Gender Studies
Global Studies
History
Humanities
Information Technology
International Law
Legal Studies
Marine Biology
Marine Ecology
Marine Microbiology
Mathematics
Media Studies
Medical Humanities
Paralegal Studies
Physics
Psychology
Public Health
Sociology
Spanish

Speech Communication
Speech-Language Pathology
Substance Abuse Studies
Theatre
Writing

Fischler School of Education and Human Services

Education

H. Wayne Huizenga School of Business and Entrepreneurship

Accounting
Banking and Finance
Business
Entrepreneurship
Hospitality Management
Human Resource Management
International Business
Leadership
Marketing

Specializations for Medical Sciences Preparation

(offered through the Farquhar College of Arts and Sciences)

Health science specializations are intended for students who require specific prerequisites for medical school and health profession graduate school programs. To earn specializations, students must achieve a C or higher in that specialization's coursework. Requirements may vary and specific graduate programs may require additional courses in writing, math, social and behavioral sciences, and the humanities. Students should consult with specific graduate schools to be sure they meet the schools' requirements.

Available specializations:

Pre-Med
Pre-Dental
Pre-Pharmacy
Pre-Optometry
Pre-Physical Therapy
Pre-Physician Assistant
Pre-Nursing

Certificate Programs

Students enrolled in certificate programs are considered degree seeking within their declared certification specialty and are eligible to apply for financial aid. Available certificate programs and their affiliated colleges:

Database Management Systems (Farquhar)
English for Speakers of Other Languages (ESOL) K-12 Add-on Endorsement (Fischler)
Operating Systems (Farquhar)
Paralegal Studies (Farquhar)
Substance Abuse Studies (Farquhar)
Web Programming and Design (Farquhar)

Formats for Study — Professional and Liberal Studies (PALS), Career Development, and Online

Students choose an educational format that best fits their schedule and lifestyle, as well as their career and family responsibilities. These formats include an on-campus day program and a program oriented toward students who work. In addition to major areas of study, students in all programs also take courses in the General Education Program that emphasize effective writing, communication, and critical analysis, as well as courses in the areas of the humanities (including literature, the arts, history, foreign language, and ethics); mathematics; natural and physical sciences; and social and behavioral sciences.

Professional and Liberal Studies Program (PALS)

The Professional and Liberal Studies Program is a traditional on-campus day program geared toward recent high-school graduates that leads to either the bachelor of science or the bachelor of arts degree. PALS students study and work in major fields that prepare them to enter careers or continue with graduate studies.

Career Development Program

The Career Development Program is designed for working and professional adults. Courses are offered in the evenings and on weekends on campus and at institutional, industrial, and other off-campus locations. Many students enrolled in the Career Development Program are employed and have families. They are a diverse population of individuals, often with considerable practical experience and the desire to play an active role in their education.

Career Development Program - Online

In certain fields of study, NSU allows Career Development students to earn a bachelor's degree, complete a minor, or receive a certification via the Internet, regardless of where they are located in the world. Classes use asynchronous delivery, which means coursework can be completed at any time, anywhere. There are no required meetings. However, each course is conducted with weekly assignments and

due dates. In the online environment, students must be self-disciplined and motivated to succeed. Students who participate in online classes are supported through a variety of technologies and teaching methods: email, bulletin boards, chatrooms, electronic journals, and links to Web resources. Each student must obtain an NSU account to access email, course materials, and library resources, and complete an online orientation.

General Education Program

The General Education Program is designed to foster critical skills by helping students develop the ability to solve problems, think analytically, and communicate clearly. The 30-credit hour program provides a common connection among all NSU undergraduates through a rigorous set of writing, mathematics, humanities, and social and physical science requirements. As a result of the General Education Program, students develop effective communication skills in speaking, listening, writing, reading, and critical interpretation. The program also helps students place ideas in their proper context and appreciate the role of different cultural traditions.

General Education Program Mission Statement

Incorporating dynamic resources and methods in various settings, the general education curriculum in the Farquhar College of Arts and Sciences at NSU provides opportunities for learners to emerge as thoughtful and responsible citizens prepared for a competitive global environment.

General Education Program Framework

All students are required to complete general education requirements. Students normally complete general education requirements by the end of their junior year through a series of courses in the areas of composition; mathematics; humanities (including literature, history, ethics, and general humanities); social and behavioral sciences; and natural and physical sciences.

Using General Education Credits for Major and Minor Requirements

Most courses may count toward both general education and major/minor requirements. Students should refer to their program curriculum or consult their academic adviser to determine which courses serve both sets of requirements.

General Education Requirements

To fulfill general education requirements, students should select courses from each of the following sections. Honors courses (with the HONR prefix) may be used to satisfy general education requirements of the appropriate general education section. Some majors have determined specific courses to be used to satisfy general education requirements. Students should consult their major program curriculum or contact their academic adviser to determine their major's specific general education requirement list.

A. Composition: 6 credits
Six COMP credits above COMP 1000

B. Mathematics: 6 credits
Six MATH credits above MATH 1000

C. Humanities: 6 credits
Six credits in any courses with a prefix of ARTS, FILM, HIST, HUMN, LITR, PHIL, SPAN, or WRIT

D. Social and Behavioral Sciences: 6 credits
Six credits in any courses with a prefix of COMM, ECON, GEOG, GEST, GLBS, POLS, PSYC, or SOCL

E. Natural and Physical Sciences: 6 credits
Six credits in any courses with a prefix of BIOL, CHEM, ENVS, MBIO, or PHYS

General Education Total 30 Credits

Undergraduate Honors Program

The Undergraduate Honors Program fosters intellectual community both within and across academic disciplines by offering special coursework, reading groups, and workshops to help students prepare for graduate school, advanced research, study abroad, and postbaccalaureate fellowships. The Undergraduate Honors Program is divided into general honors and divisional honors. Academically talented and motivated students are encouraged to apply to honors programs. Refer to *Course Descriptions* for specific course prerequisites.

General Honors Program

The General Honors Program of intensive seminars and honors-level general education classes is designed for freshmen and sophomores. Entering students are invited to participate in the General Honors Program on the basis of prior academic performance. Approximately 10 percent of each year's entering student class is invited to participate. Admission to the university is a prerequisite for admission to the program. Participants are required to complete 15 credits of honors

coursework during their freshman and sophomore years, including honors seminars and honors-level general education classes. All honors courses will be noted on the student's permanent transcript and students who successfully complete the requirements of the General Honors Program will be recognized for their accomplishment.

Divisional Honors Program

The Divisional Honors Program of directed study, geared toward juniors and seniors, allows them to pursue independent research with faculty mentors. Students in the Divisional Honors Program work on an undergraduate research project under the direction of a faculty adviser. The program is open to juniors and seniors invited to participate according to criteria established by each academic program. Participation in the General Honors Program is not a prerequisite for the Divisional Honors Program. All honors courses will be noted on the student's permanent transcript and students who successfully complete the requirements of the Divisional Honors Program will be recognized for their accomplishment.

Co-Curricular Honors Community

Students in the Co-Curricular Honors Community connect classroom experience with experiences outside the classroom, including study abroad, social activities, speakers series, and campus events.

For more information about the Undergraduate Honors Program, contact the Office of the Dean at (954) 262-8408.

Dual Admission Programs

NSU offers dual admission to a select number of highly motivated, academically talented students interested in pursuing both an undergraduate degree and future graduate studies. Students complete their undergraduate requirements in the Farquhar College of Arts and Sciences and complete their graduate or professional school requirements in one of the university's graduate or professional schools. Students accepted for dual admission have a seat reserved in the NSU graduate or professional school they have chosen. In addition, some of the dual admission programs are combined programs that enable students to complete both the baccalaureate degree and the professional degree, often in a reduced period of time. Students can reduce the number of years as an undergraduate and receive the baccalaureate degree after completing a prescribed number of courses in professional school. These courses also count toward the graduate or professional degree.

Available Dual Admission Programs:

Accounting
Audiology
Business Administration
Computer Information Systems
Computer Science
Conflict Analysis and Resolution
Dental Medicine
Education
Family Therapy
Human Resources Management
International Business Administration
Law
Management
Marine Biology
Mental Health Counseling
Nursing*
Occupational Therapy
Optometry
Osteopathic Medicine
Pharmacy
Physical Therapy
Physician Assistant
Psychology
Public Administration
Speech-Language and Communication Disorders
Taxation

*The nursing undergraduate dual admission program leads to the bachelor of science degree.

Dual Admission Requirements

Dual admission majors in the Health Professions Division are available to entering freshmen only.

Final admission into the graduate or professional school is contingent on completing the prescribed undergraduate course of study; maintaining the requisite grades; achieving specific scores on professional school admission tests; and in some cases, a final interview with the graduate or professional school admissions committee. Undergraduate scholarships granted by the Farquhar College of Arts and Sciences do not carry over into graduate and professional programs.

For more information about dual admission programs, contact the Office of Admissions at (954) 262-8000 or at ncsinfo@nsu.nova.edu.

Study Abroad Programs

The Farquhar College of Arts and Sciences is committed to providing undergraduate students with study abroad opportunities, the flexibility to earn college credit and receive financial assistance for study abroad, and the support necessary for students to plan and

realize their own, individual travel goals. For more information about study abroad, contact the Office of the Dean, (954) 262-8408.

Study Abroad Programs Sponsored by the Farquhar College of Arts and Sciences

The Farquhar College of Arts and Sciences offers organized study abroad programs that award course credits and may satisfy specific major requirements. Students may also choose to take advantage of organized study abroad programs without receiving credit. Sponsored programs include study abroad to England, the Great Barrier Reef, Peru, Ecuador, and the Galapagos Islands. In addition to these programs, the college organizes an annual photographic expedition, led by faculty, to explore in-depth the natural history and culture of one country. In past years, expeditions have traveled to Chile, China, Costa Rica, East Africa, Malaysia, and St. Lucia.

Study Abroad Programs Sponsored by Other Institutions

Students interested in a specific study abroad program offered through another university or institution should contact the Office of the Dean to discuss the program and the steps necessary for applying. The Office of the Dean can also help locate shared/sponsored programs to more than 150 countries, some that last three weeks to as long as one year.

Individually Designed Study Abroad Programs

Students may also design and receive credit for their own study abroad experiences. Students interested in designing their own program should contact the Office of the Dean to discuss a proposed trip's academic and travel details.

Internships

Students may earn credit for internships that complement and enhance their academic programs, including internships in science, business, government, and the arts. Students interested in pursuing internships should contact their academic adviser for more information.

Admissions

The Farquhar College of Arts and Sciences Office of Admissions serves prospective undergraduate students who are interested in acceptance to the College of Arts and Sciences, regardless of location or format, as well as prospective students who are interested in acceptance to main campus programs in the Fischler School of Education and Human Services and the H. Wayne Huizenga School of Business and Entrepreneurship. Individuals interested in off-campus programs offered by the Fischler School of Education and Human Services and the H. Wayne Huizenga School of Business and Entrepreneurship should contact those colleges directly.

See *Programs of Study* for more information about undergraduate majors, minors, and special programs. Individuals interested in applying to NSU should contact an admissions counselor. NSU considers applicants in terms of their potential for success.

Acceptance into the University

Prospective students may apply for admission and be accepted to NSU throughout the entire year. An admissions committee made up of faculty members and admissions representatives reviews applications and makes a determination of admittance or nonadmittance. Factors affecting the committee's decision include high school grade point average (GPA), Scholastic Aptitude Test (SAT) or American College Test (ACT) scores, previous college performance, recommendations, interviews, and student essays. Applicants must provide transcripts from all previous schools attended. Students presenting transcripts from non-regionally accredited schools may petition to the Director of Enrollment Management to have their applications reviewed.

Any student admitted based on non-final or unofficial documents from high schools and/or all previously attended colleges is considered provisionally admitted until all required final, official documents are received. Final, official transcripts show all completed courses and posted grades.

Professional and Liberal Studies Program (day) students, on receiving notification of acceptance, should promptly inform the Office of Undergraduate Admissions in writing of their intention to enroll and send a $200 deposit to be credited toward tuition. To receive a refund of tuition deposits, students must rescind their acceptance in writing by May 1 for August (fall) admission, by September 1 for January (winter) admission, and by January 1 for May (spring/summer) admission.

Delayed Enrollment and Reapplication for Admission

Students who apply for admission but do not complete the admissions process, or are admitted but never attend NSU, may reactivate their applications within a period of two semesters after the intended semester of enrollment. For example, if students are admitted for fall semester, they must enroll no later than the following summer term. After the two semester deadline, students must reapply for admission and a new application fee will be assessed.

Admissions Information and Counseling

Prospective students are strongly urged to talk with an admissions counselor, either in person or by phone, to talk about NSU and the application process:

—in Broward County, (954) 262-8000
—in Miami-Dade County, (305) 940-6447, ext. 8000
—from other U.S. locations, 800-338-4723, ext. 8000
—from the Caribbean islands and Canada, 800-554-6682 ext. 8000

Prospective students may send email to ncsinfo@nsu.nova.edu or access the Office of Admissions online at: www.undergrad.nova.edu/admissions.

Application Procedures — General

Prospective undergraduate students should speak with an admissions counselor in person or by telephone (see "Admissions Information and Counseling"). To apply, prospective students should send a completed application form and a $50 nonrefundable application fee to:

Nova Southeastern University
Enrollment Processing Services (EPS)
Farquhar College of Arts and Sciences
3301 College Avenue
P.O. Box 299000
Fort Lauderdale-Davie, Florida 33329-9905

Students may also apply online at:
www.undergrad.nova.edu/admissions.

Office of Admissions Review of Documentation

Students are provisionally admitted to an NSU undergraduate degree-seeking program based on a review of unofficial transcripts and/or fulfillment of

program-specific admission requirements. However, full admission is contingent on receipt of final official documents and fulfillment of program-specific admission requirements within 90 calendar days from the start of the semester. Final, official transcripts show all courses completed and grades posted.

If final official documents and/or program-specific admission requirements are not received and fulfilled by that time, the student will not be allowed to continue attending class. Future registrations will not be processed until the student has been fully admitted as a degree-seeking student and all admission requirements have been satisfied and approved by the Office of Admissions/program office. In addition, the student will lose any financial aid that has already been awarded for the semester.

Required Documentation for the Professional and Liberal Studies Program (day)

Freshman applicants must submit all final official transcripts reflecting academic coursework prior to enrollment (e.g., current high-school transcript or GED equivalent), including proof of graduation and SAT or ACT scores, within the first 90 days of the first day of the semester.

Transfer applicants must submit official transcripts from all colleges or universities attended, whether or not credit was awarded. If, at the time of application, students have any courses in progress at another institution, a final, official transcript must be submitted. In addition, applicants with fewer than 24 credits from any previously attended collegiate-level institutions are considered applicants for freshman status and are required to submit high school transcripts and either SAT or ACT scores.

Required Documentation for the Career Development Program (evening)

All applicants to the Career Development Program must submit proof of high school graduation (or GED equivalent) if they have not previously attended a college-level institution. Transfer students must submit official, final transcripts from all institutions previously attended, whether or not credit was awarded. Transfer students with fewer than 24 credits from any previously attended college-level institutions are required to also submit high school transcripts. All documents must be submitted within the first 90 days of the first day of the semester.

Dual Admission Program Applications

NSU offers dual admission to a select number of highly motivated, academically talented students interested in pursuing both an undergraduate degree and future graduate studies. For information and a list of dual admission programs, see the "Dual Admission Programs" section in *Programs of Study*. Students interested in applying for dual admission programs should speak with an admissions counselor to determine eligibility.

Undergraduate Honors Program Applications

Students must complete a separate application for Undergraduate Honors Programs, available at www.undergrad.nova.edu/honors/appinfo.cfm. For more information about honors programs, see "Undergraduate Honors Programs" in *Programs of Study*.

Transfer Students

NSU welcomes undergraduate students who have earned college credits at other regionally accredited colleges and universities. NSU maintains articulation agreements with all Florida community colleges. Students transferring with an associate of arts degree (awarded in 1993 or later) from any of these institutions will be granted junior standing (for financial aid purposes) upon entering NSU. Additional articulation agreements exist with several independent two-year colleges. Because these agreements are periodically evaluated, students should contact an admissions counselor for information on current articulation agreements.

Students interested in transferring to NSU should contact an admissions counselor to discuss how prior college credits can be applied toward an NSU degree. Community college students should contact an admissions counselor as early as possible in their college career in order to choose associate's degree coursework that will be appropriate for transfer into their intended NSU bachelor's degree program.

Transfer credit evaluation will be completed by an academic adviser by the end of the first semester of enrollment. Applicable credit will be transferred based on all final official transcripts received. Transfer students must provide final official transcripts from all previously attended colleges for transfer credit evaluation. Students will be advised to take courses based on the official evaluation in their file.

Special Student Status

Special (non-degree seeking) students may take up to 24 credit hours or enroll in a specialty program without being admitted to a degree program. The 24-credit limit does not apply to students who have already earned a baccalaureate degree. Special students should indicate

their status on their application form and submit it with the application fee and a transcript from the last college attended, if applicable. Once the admissions process is complete, students may register for courses. Special students are not eligible for a degree unless they follow the regular admissions procedures for degree-seeking students. Additionally, special students are not eligible for financial aid.

Homeschooling

Nova Southeastern University welcomes undergraduate applicants who have been homeschooled for their secondary school education. Homeschooled applicants should provide SAT or ACT scores, and a GED score to demonstrate high-school equivalence. As with all candidates for admission, each applicant is considered on his or her individual merits and potential for academic success at NSU. Acceptance is not based on any one criterion, and in appropriate cases, requirements for documentation may vary or be modified.

Resident Aliens

Applicants who are resident aliens must provide proof of resident alien status at the time of application.

Suspensions

Applicants who are currently under suspension or who have been suspended or dismissed from another postsecondary institution are not eligible for admission to Nova Southeastern University. Applicants may appeal this policy and request a waiver by the admissions committee. That waiver may be granted only after a review of additional information. Students who are currently under suspension or who have been suspended or dismissed from NSU should refer to the "Academic Requirements and Progress" section of *Academic Policies and Procedures* for policy information.

Application Procedures — International Students

International students applying to NSU's main campus, or to any of the university's Florida Student Educational Centers, are required to obtain a student (F-1) visa or an exchange visitor (J-1) visa. Students are not permitted to study in the United States on a visitor (B-2) visa.

To apply, international students should send a completed application form and a $50 nonrefundable application fee to:

Nova Southeastern University
Enrollment Processing Services (EPS)
Farquhar College of Arts and Sciences
3301 College Avenue
P.O. Box 299000
Fort Lauderdale-Davie, Florida 33329-9905

Transcript Evaluation

International applicants must have the equivalent of a United States high school diploma. Applicants should submit all secondary school and college-level transcripts and certificates and provide official English-language translations for any transcripts that are not already in English. Credits earned at non-U.S. universities must be evaluated for equivalents by an outside agency (Joseph Silny & Associates or World Education Services). Applicants are responsible for all evaluation fees.

English Proficiency Requirements

Applicants must score at least 550 (paper-based) or 213 (computer-based) on the Test of English as a Foreign Language (TOEFL) exam, at least 480 on the SAT verbal section, or at least 6.0 on the International English Language Testing System (IELTS) exam. Applicants may also show English proficiency by achieving a grade of C or higher in a freshman level English composition course at a U.S. regionally accredited institution.

Financial Documents

International applicants must submit an original bank statement or original letter from a financial institution indicating ability to meet all costs of education without financial aid from NSU. The minimum amount is determined by a budget prepared by the NSU Office of Student Financial Assistance. A notarized letter from a sponsor is required if a public or private organization or an individual sponsors the student. The financial guarantee must include provisions for any dependents who will be residing with the student in the United States. Students should check with the Office of International Students for current minimum amounts at:
www.nova.edu/cwis/registrar/isss/forms.

Medical Insurance

International students must purchase medical insurance (J-1 visas only). Students should contact the international student adviser for further information.

Acceptance Letters and Deposits

After NSU has received all of the above information and has granted admission, an acceptance letter will be sent. The process of issuing the I-20 will begin on

receipt of a $200 tuition deposit. Requirements for international online students may differ. To receive a refund of tuition deposits, international students must rescind their acceptance, in writing, by May 1 for August (fall) admission, by September 1 for January (winter) admission, and by January 1 for May (spring/summer) admission.

Earning Credit for Previous Experience and Training

NSU undergraduates may convert prior professional, military, and other life experiences into academic credit through four different mechanisms. All requests for prior learning credit must be initiated before students complete 24 credits at NSU. Credits earned through prior learning will be noted on transcripts after 12 credits are successfully earned at NSU.

General and Subject Testing — CLEP/DANTES/ACT-PEP/TECH 1110 Test-Out

Students may meet certain general education, major, and elective requirements in a variety of areas through objective tests in which they demonstrate specific subject knowledge. These tests include the College Board's College-Level Examination Program (CLEP), Defense Activity for Non-Traditional Education Support (DANTES) subject exams, ACT-PEP exams, and New York University language exams. Students who plan to take these exams as prerequisites for other courses must successfully complete the exams before registering for more advanced coursework. Students who enroll in courses that require TECH 1110 (Technology in the Information Age) as a prerequisite may satisfy the prerequisite by taking an exam that tests their computer knowledge. Students must contact their academic adviser before taking any exam. See the "Testing Office" section of *Academic Advising, Assistance, and Problem Resolution* for more information about testing services.

Nationally Accredited Trade and Technical School Portfolios

Students who have attended nationally accredited trade or technical schools may submit portfolios that describe learning experiences they believe should be applied for credit in their NSU program. The official review of school portfolios is conducted by the Office of Prior Learning Assessment, which will identify courses that may be applied to NSU programs through an examination of transcripts, previous course syllabi, students' autobiographies, written narratives describing previous classes, and other documents.

Full Portfolios (for course challenges)

Students who intend to challenge a specific college-level course must submit a full portfolio that presents their knowledge of the course topic. Full portfolios are evaluated by an appropriate faculty member. Students may earn a maximum of 25 percent of their credits through the full portfolio process. Full portfolios include course syllabi and descriptions; student resumes and autobiographies; written skill inventories that compare learning experiences with equivalent course subject matter; and other relevant documents, including certificates, training documents, and verification of employment. Before portfolios are submitted for faculty review, they are first evaluated by the Office of Prior Learning Assessment. Each course challenge requires a separate skill inventory and documentation set. Students are encouraged to initially attempt only one course challenge in order to learn expectations for successful portfolio review.

Standard Grants

The college has established a series of standard college credit grants for common, documented learning experiences. These experiences include certain training courses, military experiences, and pilot licensing, as well as health care industry training experiences, such as EMT and paramedic training and nursing education in training hospitals. Specific documentation is required for each standard grant. The number of credits awarded depends on the major program's transfer policies.

For more information about prior learning options, contact the Office of Prior Learning Assessment, at 954-262-8414 (800-338-4723 ext. 8414), or priorlearning@nsu.nova.edu.

Financial Information

Students should refer to the NSU Student Handbook for more information about tuition payment policies and health insurance requirements.

Tuition and Fee Schedule for 2005-2006

Application fee	$50
Registration fee (per semester)	$25
Late registration fee (per semester)	$100
Tuition deferment/Late payment fee (per semester)	$50
University student services fee (per semester)	$250
Professional and Liberal Studies Program tuition	
tuition/semester (12-18 credits)	$8,625
tuition/credit (under 12 credits)	$575
Career Development Program tuition (per credit)	
On campus	$450
Off campus	$325
Online	$450
Laboratory fee (per credit)	$20
Field trip fee (per credit)	$5
PSYC 4810 practicum insurance	$22
LEGS 2100/LEGS 4110 Lexis/Nexis fee	$40
Materials fee	variable where applicable
Application for degree processing fee	$75
Transcript fee	$5
Cap and gown rental fee	assessed at time of graduation
Room rate (varies based on occupancy and residence hall)	$1,574 - $3,720 (per semester)
Meal plan (declining balance)	$1,200 minimum (per semester)

Explanation of Tuition Rates

Professional and Liberal Studies Program Tuition

All students in the Professional and Liberal Studies Program enrolling in 12-18 credit hours per semester pay a flat-rate tuition in the fall and winter semesters. Students will not be charged additional tuition for adding classes as long as they do not go above the 18-hour limit. Drops do not count in this total. Full-time students who process drops or withdrawals after the first two weeks of the semester will not receive any refunds, even for classes that begin during the second half of the semester.

Part-time PALS students (1-11 credits) will be charged on a per-credit basis. Students who initially register for 1-11 credits, then add credits that increase their course load to 12-18 credits, will be charged the full flat-rate tuition. Full-time students dropping below 12 credits during the first two weeks of the semester will be considered part-time students and will have their tuition recalculated on a per-credit basis. These students will also be considered part-time students for the purposes of financial aid and scholarship awards.

PALS tuition during summer terms is charged per credit regardless of the number of enrolled credits.

Career Development Tuition

Students in the Career Development Program pay tuition per credit hour. Rates vary depending on location of classes: on campus, off campus, or online.

Tuition Payment Options

Students should refer to the NSU Student Handbook for tuition payment policies and options. To explore all options, students should go to the NSU's Bursar's Office website:
www.nova.edu/cwis/bursar/payment.html.

Net.Pay Tuition Payment Plan

Students may pay annual expenses in ten interest-free installments. There is a non-refundable $55 application fee. Payments can be made by check, money order, direct debit, or credit card.

Employer Tuition Reimbursement Programs

Students eligible for employer-sponsored tuition reimbursement benefits may defer tuition payment until

five weeks after the end of each course. However, at the time of registration, students must submit postdated checks or credit card authorizations (for processing five weeks after the end of the course) and furnish a statement of eligibility from the employer. There is a $50 per-semester fee for this option; this fee and other charges (excluding tuition) must be paid at the time of registration.

Three-Month Installment Plan

Students may elect to pay their tuition in three installments. Fifty percent of tuition, plus all fees (including a $50 fee for this option), is due at the time of registration; 25 percent is due 60 days after registration; and the remaining 25 percent is due 90 days after registration. Postdated checks or credit card authorizations for the two later payments must be provided at the time of registration. Full-time students who are receiving financial aid may also elect the three-month installment plan to pay any remaining tuition balance due to the university.

Tuition Refund Policies

General Refund Policies

Refunds of Admission Deposits

The $200 deposit paid upon admission to the university is refundable if requested by May 1 for fall enrollment, September 1 for winter enrollment, or January 1 for summer enrollment.

Refunds of Tuition and Fees

Pro-rated tuition refunds are limited to the first two weeks of each term (during the drop/add period) according to the policies outlined below for each program. All fees will be refunded to students prior to the first day of classes for a semester. Non-attendance does not constitute an official drop. Students must formally drop classes to be eligible for a refund.

Processing of Refunds

For tuition refund requests to be considered, students must provide written notification to their academic adviser. Refund amounts are based on the date of written notification, such as the date of sent email (must be from an NSU email account) or postmark for mailed requests. For general registration, drop/add, and withdrawal policies, refer to *Academic Policies and Procedures*.

Refunds for Expelled Students

Students who are expelled from NSU will not receive tuition refunds.

Refunds for Course Cancellations

Each undergraduate division reserves the right to cancel class sections when registered enrollments are low. The university will refund 100 percent of tuition and any associated class fees for courses that are cancelled.

Exceptions to Refund Policies

Refunds or credits to student accounts may be considered after the drop period if proof of exceptional circumstances exists. Students should contact their academic adviser with questions about exceptional circumstances. Requests for refunds must be made by submitting a Student Action Form during the same semester in which courses are scheduled. See the "Student Action Forms" section in *Academic Advising, Assistance, and Problem Resolution*.

Specific Program Tuition Refund Policies

Full-time Professional and Liberal Studies Program (PALS) Refund Policy

Full-time Professional and Liberal Studies Program (PALS) are charged flat-rate tuition and are not eligible for partial refunds, regardless of attendance, if the total attempted credits remain between 12 and 18. PALS students attempting fewer than 12 credits are considered part-time PALS students.

Part-time PALS and Career Development Program Refund Policy

Tuition for part-time PALS students and for Career Development students is charged on a per-credit basis (part-time PALS students are defined as those enrolled in fewer than 12 credits). Refunds for dropped classes are given according to the following schedule based on calendar days:

Drops prior to first day of term in which the class begins: 100 percent
Drops during the first seven days of term: 75 percent
Drops during the eighth through fourteenth days of term: 50 percent
Withdrawals after the fourteenth day of term: no refund

Undergraduate Scholarships and Grants

Scholarships and grants are available to students in the Farquhar College of Arts and Sciences from the college and the university, as well as from external public and private organizations, such as the Florida Independent College Fund.

The first step for students interested in financial aid of any kind is to contact the NSU Office of Student Financial Assistance for information about deadlines for the FAFSA and other necessary financial aid applications. NSU's Office of Student Financial Assistance administers government financial aid grant and loan programs as well as university-wide financial aid programs that include NSU grants, loans, scholarships, and student employment. The Office of Student Financial Assistance also maintains resources to help students locate funding and plan the financial aspects of their education. For more information about the Office of Student Financial Assistance, call (954) 262-3380 or go to: www.nova.edu/cwis/finaid.

All college and university scholarships and grants are combined with other federal and state financial aid programs to help meet students' financial needs. Eligibility requirements vary. Students should note that changes in enrollment during a semester may affect eligibility for awards with minimum course load requirements (e.g. that require students to be enrolled full time).

Independent Colleges and Universities of Florida (ICUF) Scholarships

NSU participates in scholarship programs administered by the Florida Independent College Fund (FICF), a nonprofit foundation that supports members of the Independent Colleges and Universities of Florida (ICUF). FICF and its corporate partners are dedicated to providing financial assistance to students attending Florida's independent colleges and universities.

Students enrolled in either the Professional and Liberal Studies Program or the Career Development Program are eligible to apply for FICF scholarships. Eligibility and availability of FICF scholarships are subject to change without notice. Applications for FICF scholarships are first processed by the Office of the Dean. Students should review eligibility requirements and deadlines for available FICF scholarship opportunities at www.ficf.org and then apply by contacting Student Services in the Office of the Dean at (954) 262-7918 or scholarships@nsu.nova.edu.

NSU Scholarships and Grants

NSU institutional awards are managed by the Office of Student Financial Assistance. See their website for specific award descriptions and eligibility requirements. For more information about the Office of Student Financial Assistance, call (954) 262-3380 or go to: www.nova.edu/cwis/finaid.

Farquhar College of Arts and Sciences Scholarships and Grants

Farquhar College of Arts and Sciences institutional awards are managed by the Office of the Dean. See specific award descriptions for eligibility and renewal requirements. These awards are normally discontinued when a student has earned 130 credits in the Farquhar College of Arts and Sciences or leaves the college to attend another NSU program. Students may petition for scholarship continuation on a semester-by-semester basis to meet requirements for their primary degree program. Petitions must be submitted in writing to the Office of the Dean. Students who have previously earned bachelor's degrees at NSU are not eligible for institutional awards if they choose to seek a second bachelor's degree at NSU. For information and applications, contact Student Services in the Office of the Dean at (954) 262-7918 or scholarships@nsu.nova.edu.

Alvin Sherman Family Scholarships
(PALS and Career Development students)

Amount: varies
Application: yes; July 15 preferred deadline
Renewal: yes
Eligibility: full-time PALS and Career Development Program students on main campus with a 2.5 cumulative GPA.
Contact: Office of Admissions at (954) 262-8000 or ncsinfo@nsu.nova.edu

Book Awards
(continuing PALS students only)

Amount: $250 for book expenses
Application: yes; April 1 deadline
Renewal: no
Eligibility: continuing PALS students only; academically competitive with preference given to upperclassmen
Contact: Student Services in the Office of the Dean at (954) 262-7918 or scholarships@nsu.nova.edu

Continuing Career Student Grants
(Career Development students only)

Amount: $400 per semester based on financial need and academic performance
Application: yes
Renewal: yes; awards are not automatically renewed; students must apply for each year's award
Eligibility: Career Development Students in the Farquhar College of Arts and Sciences only (business and education majors are not eligible); minimum cumulative 2.0 GPA; priority given to full-time students who show continuous enrollment for at least two of the previous three semesters and display reasonable academic progress (who have successfully completed 24 credits in the previous 12 months).
Contact: Student Services in the Office of the Dean at (954) 262-7918 or scholarships@nsu.nova.edu

Dean's Office Scholarships
(PALS and Career Development students)

Amount: varies
Application: yes
Renewal: yes; awards are not automatically renewed; students must apply for each year's award
Eligibility: PALS and Career Development students in the Farquhar College of Arts and Sciences only (business and education majors are not eligible); financial need; minimum NSU cumulative 2.0 GPA; successful and sustained academic performance.
Contact: Student Services in the Office of the Dean at (954) 262-7918 or scholarships@nsu.nova.edu

Dual Admission Scholarships
(dual admission PALS students only)

Amount: $200 per academic year (fall and winter only)
Application: yes
Renewal: yes, automatic renewal up to four years
Eligibility: dual admission PALS students only; full-time enrollment in the PALS portion of a dual admission program; good academic standing (making satisfactory progress toward program requirements);
Required activities: attendance at required events and meetings
Contact: Student Services in the Office of the Dean at (954) 262-7918 or scholarships@nsu.nova.edu

Farquhar College Grants
(new PALS students only)

Amount: varies based on unmet financial need (may be awarded in conjunction with an NSU Honor Award); amount may be adjusted if the student receives other scholarships or grants
Application: no; award is determined by the Office of Admissions
Renewal: yes; according to need and satisfactory academic progress
Eligibility: new PALS students only; students receiving athletic scholarships are not eligible; good academic standing and full-time enrollment
Contact: Office of Admissions at (954) 262-8000 or ncsinfo@nsu.nova.edu

Honors Program Scholarships
(PALS students only)

Amount: varies based on applicant qualifications
Application: yes
Renewal: yes; awards are not automatically renewed; students must apply for each year's award
Eligibility: full-time PALS students only; good standing per criteria established by the Undergraduate Honors Program; active participation in the Undergraduate Honors Program.
Contact: Student Services in the Office of the Dean at (954) 262-7918 or scholarships@nsu.nova.edu

International Student Scholarships
(continuing PALS students only)

Amount: ranges from $250 to $1,000 per year based on academic achievement and financial need
Application: yes, April 1 deadline
Renewal: no
Eligibility: continuing international PALS students only
Contact: Student Services in the Office of the Dean at (954) 262-7918 or scholarships@nsu.nova.edu

Leadership Roundtable Scholarships
(PALS students only)

Amount: up to $4,000 per year
Application: yes
Renewal: yes
Eligibility: PALS students only; participation in the Leadership Roundtable Scholars Program; good academic standing
Contact: Office of New Student Services and Orientation at (954) 262-8093 or email jmiles@nsu.nova.edu

Nova Southeastern University Honor Awards
(new PALS students only)

NSU Honor Awards are automatically renewed as long as a student maintains a 3.0 cumulative grade point average, earns 24 credits during consecutive fall and winter semesters, and remains a full-time student enrolled in the Professional and Liberal Studies Program. Students will lose eligibility for these awards if they leave the Professional and Liberal Studies Program before graduation to enroll in a graduate program, move to the Health Professions Division,

enroll in the Career Development Program, or become a full-time NSU employee. Contact Student Services in the Office of the Dean at (954) 262-7918 or scholarships@nsu.nova.edu.

1. NSU Freshman Honor Award ($1,000-$7,000): This is an academic merit award based on high-school GPA and SAT/ACT test score.
2. NSU Transfer Honor Award ($1,000-$5,500): This is an academic merit award based on prior academic achievement. Applicants must have earned 24 or more semester hours from a regionally accredited institution to be eligible.
3. NSU International Student Honor Award ($1,000-$7,000): This is an academic merit award based on prior academic achievement and merit. Applicants must submit SAT or ACT scores at the time of application for admission to the university.
4. NSU Resident Student Honors Award: This academic merit award, based on prior academic achievement, is contingent upon residing in university residence halls and will be cancelled if the student lives in off-campus housing.

Professional and Liberal Studies Scholarships (continuing PALS students only)

Amount: ranges from $250 to $1,500 per year
Application: yes; April 1 deadline
Renewal: yes; awards are not automatically renewed; students must apply for each year's award
Eligibility: continuing PALS students only; based on academic achievement and financial need.
Contact: Student Services in the Office of the Dean at (954) 262-7918 or scholarships@nsu.nova.edu

Phi Theta Kappa Awards (new PALS transfer students only)

Amount: $1,000, tuition only
Application: yes
Renewal: yes
Eligibility: new PALS transfer students who are members of Phi Theta Kappa; must maintain 3.0 cumulative GPA and 24 credits each academic year
Contact: Student Services in the Office of the Dean at (954) 262-7918 or scholarships@nsu.nova.edu

Academic Advising, Assistance, and Problem Resolution

This section provides information for students to find academic advising and other resources that will help them succeed, including information about problem resolution procedures.

Academic Advisers

Academic advisers provide students with confidential academic, social, and developmental advising to ensure they receive the individual attention they need to succeed. Advisers serve as liaisons and referral agents by helping students gain needed assistance from other NSU divisions or from the community. Students should maintain regular contact with their academic advisers throughout their academic career at NSU. Students are encouraged to consult with an adviser if they believe their rights as students are being, or have been, violated. Students are also encouraged to discuss aspects of their education with faculty members, program administrators, and directors.

Division of Humanities:

General Contact: (954) 262-8200

Carmen Sosa, senior academic adviser
(954) 262-8222, sosac@nsu.nova.edu

Chris Densmore, academic adviser
(954) 262-8220, densmore@nsu.nova.edu

Division of Math, Science, and Technology:

General Contact: (954) 262-8484

Suzette Rygiel Siviter, senior academic adviser
(954) 262-8416, siviter@nsu.nova.edu

Phyllis Boyd, academic adviser
(954) 262-8338, phyllis@nsu.nova.edu

Imani Fredricks-Lowman, academic adviser
(954) 262-8182, imani@nsu.nova.edu

Elizabeth Koenig, academic adviser
(954) 262-8325, koenige@nsu.nova.edu

Alla Levin, academic adviser
(954) 262-8340, alevin@nsu.nova.edu

Patricia Murray, academic adviser
(954) 262-8156, pmurray@nsu.nova.edu

Division of Social and Behavioral Sciences:

General Contact: (954) 262-7941

Marikay Concannon, senior academic adviser
(954) 262-8419, concanno@nsu.nova.edu

Marcelle Turner, academic adviser
(954) 262-7942, mturner@nsu.nova.edu

Trisha Coats, academic adviser
(954) 262-8049, trisha@nsu.nova.edu

Kimberly Chalk, academic program adviser
(904) 245-8913, kchalk@nsu.nova.edu

Beatriz Fernandez, academic program adviser
(954) 262-3414, fbeatriz@nsu.nova.edu

Student Action Forms

Student Action Forms (SAF)

A Student Action Form is an official, written request by a student to obtain a waiver from a published academic policy. Before students submit a Student Action Form, they should consult with their academic adviser to try to resolve their problem and determine if an official Student Action Form is necessary. NOTE: If a Student Action Form involves changing enrollment status, including dropping courses, the action may affect students' eligibility for financial aid (see "Consequences of Enrollment Change").

How to Submit a Student Action Form

Students should consult with their academic adviser before submitting a Student Action Form. The SAF should then be submitted in person to the adviser or be sent as a Word document from the student's official NSU email account if they cannot meet with their adviser in person. The adviser will forward the SAF to the Office of Operations, which will send a confirmation of receipt via NSU email. The Office of Operations will then send the SAF to the appropriate academic director for review.

The following information must be included in all Student Action Forms. Incomplete requests will not be accepted for processing. If you have any questions, or need help with these instructions, contact your academic adviser or the Office of Operations, at (954)

262-8143 (800-338-4723, ext. 8143) or email saf@nsu.nova.edu.

1. Student Name
2. Student ID number
3. Major/Program/Site Location
4. Day/Evening Phone Number
5. Email Address
6. Problem: Provide an explanation of the problem and include any pertinent documentation as support.
7. Action Requested: Provide an explanation of the action you are requesting. Include the referring page in the current Student Catalog for the policy in question or any other relevant information, including specific courses or terms.
8. Prior Action Taken: Provide a list of all individuals contacted about the problem, including their departments.

Consequences of Enrollment Changes

Students should refer to the appropriate Student Catalog sections for policies on drop/add periods, drop periods with refunds, and withdrawal from classes; and contact the appropriate office (i.e., Financial Aid, Bursar's Office, Loan Disbursing Office) to determine the exact nature of how changes will affect financial and academic standing.

Course Drops: Dropping a course may result in a refund for tuition paid and will not negatively affect grade status. However, this action may drop a student below half-time (6 credits) or full-time (12 credits), which may affect eligibility for loans, scholarships, or grant aid that were awarded prior to the drop. This may cause a reduction in certain types of financial aid, which may result in a higher balance due. If any refunds have been disbursed before a change of enrollment status, the student should speak to a financial aid officer about the financial obligations of the change. For course drop deadlines and procedures, see the “Registration” section in *Academic Policies and Procedures*.

Course Withdrawals: There is no financial refund if a student withdraws from a course. Total credits attempted are not reduced by course withdrawals, nor does this action affect current term financial aid. Withdrawing from a course limits the number of possible credits earned, which may affect future required academic progress.

International Students: Changes in enrollment status may affect eligibility for student visas and immigration status.

Problem Resolution Procedures

The Farquhar College of Arts and Sciences is committed to maintaining policies and procedures supportive of the student community. Students must follow specific policies and instructions described in this catalog, in the NSU Student Handbook, and in course schedules, program brochures, information sheets, and periodic special mailings.

Because many problems arise as a result of miscommunication, first contact for any problem should be the instructor or academic adviser, who may be able to help students solve or mediate problems.

Formal Grievance Process

Channels for formal action exist through student action forms and formal grievances. Student Action Forms are used to request waivers from specific university or college policies under unusual circumstances.

When formal grievance steps are perceived necessary, students have a right to a fair process and hearing without fear of retribution. Because grievances can often seem adversarial, it is recommended that students pursue local or departmental resolution to problems and discuss problems with appropriate parties before resorting to formal grievance steps. Academic difficulties in a class, for example, should always be discussed first with the instructor teaching the class.

Problems that cannot be resolved through the instructor, or academic issues that are more broadly based, should be discussed with an academic adviser who may then refer students to a more appropriate resource.

Grievances

Formal grievances fall into two categories: academic grievances and administrative grievances. Academic grievances are related to classroom and instructor activity. Administrative grievances are related to academic policies and college administrative actions.

Procedure to Initiate a Formal Grievance

Procedures for academic and administrative grievances are outlined below. Grievances brought to the Office of the Dean without previously going through the appropriate academic or administrative grievance procedure will be referred to the appropriate step in the process, thus delaying problem resolution. Students who are not sure of the appropriate university employee to contact about an academic or administrative issue should communicate with their academic adviser. If their adviser is unavailable, students should contact the

Office of Operations at (954) 262-8143 (800-338-4723, ext. 8143) or email saf@nsu.nova.edu using their official NSU email account. For information about how to initiate a formal grievance see the "Student Action Forms" section or go to: www.undergrad.nova.edu/orientation/online/saf.cfm.

Grievance Time Limitation

Grievance procedures must be initiated in a timely fashion within the term that the student, instructor, or administrator became aware of the grievance issue. The griever waives all rights under the grievance procedure if each step is not followed within the prescribed time limit.

Grievances Related to Harassment or Discrimination

Grievances related to harassment or discrimination in service or instruction should be brought to the appropriate academic or administrative director, not to the person providing the service or instruction.

Problem Resolution for Off-Campus and Online Students

Off-campus students should present their unresolved issues with an instructor or staff member to the academic program adviser at their education site. Online students should contact their academic adviser in their on-campus academic division.

Problem Resolution for Student Athlete Issues

Student athletes should refer to the NSU Student Athlete Guidelines for additional information about athletics-related problem resolution procedures.

Academic Grievance Procedure

Procedure for Grievance of Grades: Academic grievances involving the fairness of a grade are handled by instructors. Students unable to settle the grade dispute with an instructor should contact the academic director of the division responsible for the course, who will make a final decision on the fairness of the grade. Grade disputes will not be permitted to proceed any further unless evidence of discrimination or a violation of rights can be shown.

Procedure for All Other Academic Grievances: For all other academic grievances, students should follow these steps.

Step One: Meet with the instructor

Students should discuss their grievance with the appropriate instructor within the academic term of the grievable issue. If after discussing the issue with the instructor, a student feels the grievance cannot be satisfactorily resolved, Step Two should then be followed.

Step Two: Meet with the academic adviser

Students who feel that their grievance was not satisfactorily resolved after meeting with the instructor should meet with their adviser for guidance in submitting a formal written grievance using a Student Action Form.

For detailed instructions on submitting a Student Action Form students should refer to the "Student Action Forms" section or go to: www.undergrad.nova.edu/orientation/online/saf.cfm.

Prior to submitting the form, students should carefully read and be aware of any consequences if the grievance involves changes in enrollment status. It is also essential that students maintain copies of any relevant documentation (emails, medical documents, etc.) sent to academic advisers or other NSU personnel.

After receiving, reviewing, and signing the Student Action Form, the adviser will send it to the Office of Operations. That office will send a receipt confirmation to the student's NSU email account. The SAF will then be reviewed by the appropriate academic division director. When a decision is reached, the student will be sent an email indicating that the reviewed and signed Student Action Form (with the division director's decision) will be mailed to the student's address on record.

Step Three: Appeal to the associate dean

After receiving the decision of the academic director, if the student feels that the issue was not satisfactorily resolved, the Office of Operations should be contacted at (954) 262-8143 or email saf@nsu.nova.edu for guidance regarding appeals to the Office of the Dean.

Students will then be sent a letter outlining information to compile and include in their appeal to the associate dean. After the appeal is reviewed, students will be sent a written reply (with the decision of the associate dean) to their address on record.

Step Four: Appeal to the dean

Students who feel that their issue is still unresolved after receiving the associate dean's decision may then appeal in writing to the dean. The dean's decision is final and binding and cannot be appealed.

Administrative Grievance Procedure

Step One: Meet with the appropriate administrator

Students should discuss their grievance with the appropriate administrator within the academic term of the grievable event.

Step Two: Meet with the academic adviser

Students who feel that their grievance was not satisfactorily resolved after meeting with the instructor should meet with their adviser for guidance in submitting a formal written grievance using a Student Action Form.

For detailed instructions on submitting a Student Action Form students should refer to the "Student Action Forms" section or go to:
www.undergrad.nova.edu/orientation/online/saf.cfm

Prior to submitting the form, students should carefully read and be aware of any consequences if the grievance involves changes in enrollment status. It is also essential that students maintain copies of any relevant documentation (emails, medical documents, etc.) sent to academic advisers or other NSU personnel.

After receiving, reviewing, and signing the Student Action Form, the adviser will send the form to the Office of Operations. That office will send a receipt confirmation to the student's NSU email account. The SAF will then be reviewed by the appropriate academic division director. When a decision is reached, students will be sent an email indicating that the reviewed and signed Student Action Form (with the division director's decision) will be mailed to their address on record.

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Step Four: Appeal to the dean

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Office of Academic Services

The Office of Academic Services manages a wide variety of student support systems. The office includes disability, testing, tutoring, and other academic support services. On main campus, the Office of Academic Services is located in Parker Building Suite 100. Walk-in visits are welcome, but appointments are recommended. Off-campus students should call their nearest off-campus location for hours of operation. See the "Disability Services," "Testing Services," and "Tutoring Services" sections for more details about specific services. For more information about office hours and appointments, call (954) 262-8350 (800-338-4723, ext. 8350) or go to:
www.undergrad.nova.edu/AcademicServices.

Disability Services

The Office of Academic Services' Disability Services determines eligibility for appropriate academic accommodations for those students who demonstrate a disability as defined by the Americans with Disabilities Act of 1990(ADA) and Section 504 of the Rehabilitation Act of 1973. Students with documented disabilities, such as physical, medical, psychological, hearing, visual, speech, learning, and head injuries, are eligible to seek services.

Under the ADA and Section 504, a person has a disability if he or she has a physical or mental impairment that substantially limits one or more of the major life activities (walking, standing, seeing, hearing, sitting, breathing, and learning). Disability Services provides academic accommodations for eligible students on a case-by-case basis in compliance with Federal and state laws. Students with disability-related needs are encouraged to contact Disability Services as early as possible, preferably at least four weeks before the beginning of the term for which they seek services.

For information about Disability Services, contact the Office of Academic Services at (954) 262-8405 (800-338-4723, ext. 8405), disabilityservices@nsu.nova.edu, or go to:
www.undergrad.nova.edu/academicservices/disability.cfm.

Testing Services

The Office of Academic Services' Testing Office administers challenge exams for all NSU undergraduates in writing, mathematics, and chemistry, as well as faculty make-up exams, standardized tests, and proctored exams. The Testing Office also administers other course challenge examinations, such as College-level Examination Program (CLEP) tests, DANTES subject standardized tests, New York University Proficiency Testing in Foreign Languages, and the TECH 1110 challenge exam. Test takers must present photo identification (e.g., NSU official ID, driver's license, or passport) prior to testing. All examinations are by appointment only.

For more information about Testing Office services or to schedule an exam appointment, contact the Office of Academic Services at (954) 262-8374 (800-338-4723, ext. 8374).

Tutoring Services

The Office of Academic Services provides free tutoring, workshops, and professional guidance. Tutoring is available in writing, mathematics, science, and technology courses, as well as for helping students develop general study skills and prepare for CLAST and other examinations. Tutoring is conducted on an individual basis or may be arranged for groups of students who require the same level and type of assistance. Depending on the subject area, tutoring may also be provided by peer students who have excelled in specific academic subjects. Tutoring is not available for NSU placement tests or CLEP examinations.

The goal of tutoring is to help students become independent learners. Students are expected to come to tutoring sessions prepared to work by having attended class and attempted homework assignments or completed drafts of papers. On-campus tutoring resources available from the Office of Academic Services' main location in Parker Building Suite 100 include supplemental videos and software for most math courses that may be checked out or used on site. The Parker Building computer lab offers computer tutorials for mathematics, grammar, and composition skills. Students may also use the lab for researching and writing papers.

Writing tutors assist students in the various stages of the writing process, including brainstorming, planning, organizing, and revising. In addition, writing tutors help students work on grammar and sentence structure. Although tutors do not edit papers, they will assist students in learning how to improve their papers and become better editors and proofreaders.

For more information about tutoring services, including online resources for students whose schedules prevent regular campus or site visits, call 954-262-8350 (1-800-338-4723, ext. 8350) or go to: www.undergrad.nova.edu/AcademicServices.

New Student Services and Orientation

The Office of New Student Services and Orientation is a resource center for entering and first-year undergraduate students and their families. The office coordinates all orientation programs for new undergraduate students on main campus. Students attending classes at one of the university's off-campus student educational centers should contact their center for orientation programs. Online students participate in an online orientation. Information is available at www.undergrad.nova.edu/orientation. New Student Services and Orientation is located on the first floor of the Parker Building. Call (954) 262-8093 or (954) 262-8050.

Technical Help

NSU's Office of Information Technology's Online Computing Help Desk provides telephone and email support to NSU students, faculty, and staff. Support services include assistance with connecting to NSU's online computing systems; navigating through WebCT systems; resolving Personal Identification Number (PIN) issues; supporting wireless computing on campus; and configuring various software programs such as Microsoft Outlook, Netscape Navigator, and Internet Explorer. Contact the Help Desk at (954) 262-4357 (800-541-6682 ext. 4357) or help@nsu.nova.edu.

NSU Student Handbook

The NSU Student Handbook addresses general university policies for NSU students, including student life, student rights and responsibilities, university policies and procedures, and NSU resources. Below is the Table of Contents for the 2005-2006 handbook. The NSU Student Handbook is located at www.nova.edu/cwis/studentaffairs/forms/ustudenthandbook.pdf.

Academic Policies and Procedures

This section contains information about academic policies and procedures in the Farquhar College of Arts and Sciences. For general advice about academic policies, students should contact their academic adviser as a primary resource. See also *Academic Advising, Assistance, and Problem Resolution*.

Academic Requirements and Progress

To remain in good academic standing, students must maintain the required minimum grade point average (GPA) or higher on all credits attempted. Students receiving financial aid should also refer to the Office of Student Financial Assistance for information about minimum GPA requirements for financial aid programs. Some scholarship opportunities listed in *Undergraduate Scholarships and Grants* may also have minimum GPA requirements.

Minimum Requirements (GPA)

1-29 credits: 1.70 GPA
30-59 credits: 1.85 GPA
60 + credits: 2.00 GPA

Minimum Graduation Requirements

All degree-seeking students must be matriculated and complete the minimum credits as designated by their chosen major. The following conditions are also required:

1. Admission as a degree-seeking candidate in one of the majors
2. Completion of General Education Program requirements
3. Completion of at least 120 credits, including major, minor, general education, specialization, concentration, and electives coursework, as specified
4. Attainment of a 2.0 cumulative grade point average
5. Attainment of a 2.25 grade point average in the major area
6. Attainment of a 2.25 grade point average in minors, if selected or required by program
7. Completion, at NSU, of at least 30 credits (not including CLEP, proficiency examinations, or prior experiential learning credits)
8. Completion of at least 50 percent of the credits in the major area and minor at NSU (not including CLEP, proficiency examinations, or prior experiential learning credits)
9. Submission of a degree application form and payment of the diploma fee before completing registration for the last semester
10. Fulfillment of all obligations to the library, the student's program, and the Bursar's Office

Review of Academic Progress

The Office of the Dean reviews student academic progress at the end of each semester. Students whose grade point averages (GPA) fall below minimum GPA requirements will receive notification that they have been placed in one of the categories of academic progress listed below. All of these categories will become permanently recorded on official student transcripts.

Academic Warning: Students whose cumulative GPA falls below 2.0.

Academic Probation: Students who have completed at least 12 credits for which they have received grades of A through F and who fall below the minimum GPA (see "Minimum Requirements (GPA)").

Continued Probation: Students who, in successive semesters of enrollment after being placed on academic probation, earn a minimally acceptable GPA but whose cumulative GPA for all semesters falls below the minimum grade point average requirement.

Off Probation: Students who achieve the minimum cumulative GPA.

Suspension: Students on academic probation or continued probation who fail to earn a minimally acceptable GPA in the next semester of enrollment. Length of suspension is two semesters. Students must appeal for readmission at least one month before the requested date of readmittance (see "Notification and Appeals"). Students who are permitted to reenroll after serving suspension are readmitted under continuing probation. While serving on suspension, students may not make progress in their NSU degree programs.

Credits earned at other institutions during suspension will not be transferred to NSU.

Dismissal Following Suspension: Students who were previously suspended and readmitted will be dismissed if they fail to meet a minimally acceptable GPA (see "Minimum Requirements"). Students in this category may not reapply for admission.

Notification and Appeals

A student placed on suspension or dismissed will be sent a letter to his/her mailing address. The student will have until the deadline specified in the dismissal or suspension letter to appeal to the Academic Progress Committee. The committee includes faculty members from each academic division, a representative academic adviser, and a representative from the Office of Academic Services. The committee reviews appeals for suspension and dismissal. Notification of decisions will be sent to the address given in the appeal letter. For more information, the student may contact an academic adviser or the assistant director for student services in the Office of the Dean.

Academic Requirements – New Students

Students are expected to demonstrate skills appropriate for college-level work.

Professional and Liberal Studies Program

All Professional and Liberal Studies students are encouraged to take appropriate written communication and mathematics courses during their first semester of enrollment at NSU. Students are placed in these courses based on standardized (SAT, ACT, or TOEFL) test scores or prior college credit. Students without college-level English and/or math will be automatically placed into COMP 1000 and/or MATH 1000 courses. Students may also take challenge exams to place out of these courses. Each challenge exam may be taken only once. For specific challenge exam procedures and practice exams, students should contact the Academic Services Testing Office. Tutoring in mathematics and writing is available through Academic Services. While a student is acquiring these skills, his or her enrollment is limited to courses approved by an adviser, generally at the 1000 and 2000 levels.

Career Development Program

Students who enter the Career Development Program without transfer credits in English and/or mathematics must enroll in COMP 1000 and/or MATH 1000. Students may take challenge exams in writing and/or mathematics to determine eligibility for the college-level courses listed in the general education requirements.

Transfer Students

All new transfer students must demonstrate college-level skills in writing and mathematics. Transfer students can do this by presenting transcripts from previous institutions indicating comparable courses taken. Students must have earned a C or higher in comparable courses. Alternatively, transfer students may take the required developmental courses in writing and mathematics or take challenge exams to place out of them.

Academic Requirements – Writing Across the Curriculum

Each course in the Farquhar College of Arts and Sciences includes written assignments that make up at least one third of the final course grade. Each course contains at least eight pages (approximately 2,000 words) of writing with faculty members providing feedback. Written assignments may include (but are not limited to) essays, summaries, memos, lesson plans, research papers, abstracts, literature reviews, case analyses, reaction papers, journal entries, lab reports, project proposals, progress reports, case studies, and project reviews.

Address and Name Changes

NSU maintains student contact information through the Student Information System (www.webstar.nova.edu), including current mailing address and telephone number. If this information changes, students should update their records in Webstar and notify their academic division.

Attendance

Because the educational process at NSU depends on a close working relationship between students and faculty members, students are expected to attend class regularly. Specific requirements are established by individual instructors and are communicated in the syllabus or at the first class meeting. The college's administration will support faculty attendance requirements. Students are responsible for the academic consequences resulting from class absences. Students who miss a class must inform instructors before the class meeting. Students who miss class because of an illness or other emergency should contact the instructor as soon as possible to arrange for make up work.

Auditing a Course

Students may register to audit courses. Registration as "audit" must be done prior to the first class meeting. No academic credit is awarded for audited courses. Students may attend all classes but are not required to take examinations and a grade of AU is awarded at the time of registration. Once a student has registered for an audit, the registration may not be changed back to one in the normal grading system. An audited course may be included in the flat-rate tuition, provided the total number of credit hours, including credits assigned to audited courses, does not exceed 18. Otherwise, tuition will be charged at the prevailing, per-credit-hour rate.

Course Credits — Application toward Multiple Requirements

Courses taken to fulfill major, minor, certificate, general education, and other program requirements may generally be applied to other program requirements. For example, courses used to satisfy major requirements may also be used to satisfy general education requirements. However, some programs have specific exceptions to this general policy. Students should consult their academic adviser or division to determine specific policies about application of course credit.

Course Delivery

Classes are scheduled at a variety of times and locations to best meet student schedules and course demand. Classes may be on-campus, off-campus, day or evening, online, and through independent study. Students should review registration choices with their academic adviser.

Day

Day classes are aimed primarily at students in the Professional and Liberal Studies Program (PALS).

Evening

Evening classes are aimed primarily at students in the Career Development Program, although PALS students may also register for evening classes. To ensure that students obtain the maximum benefit from the Career Development Program's accelerated format, most of the evening courses offered by the Farquhar College of Arts and Sciences require that first class assignments be completed before the first class meeting. These assignments are posted on the College's web-based Course Wizard:
www.undergrad.nova.edu/coursewizard/schedule.cfm

Online

Web-based courses are available to all active NSU students. Students who participate in online classes are supported through a variety of technologies and teaching methods: email, bulletin boards, chatrooms, electronic journals, and links to Web resources. Each student must obtain an NSU account to access email, course materials, and library resources. Students are required to participate in an online orientation before the start of each class.

Online Components of Ground-based Courses

Ground-based classes may also include some online instruction in addition to regular classroom instruction. Although most instruction will take place in campus or site classrooms, some assignments may be administered through Internet-based sites associated with class textbooks or through WebCT, the university's online teaching system. Instructors will explain specific requirements for participation in online components and may include information in the course syllabus or first class assignment posted on Course Wizard.

Independent Study

Independent study provides qualified students with an opportunity to research a question of interest under faculty supervision. Students interested in independent study should contact their academic adviser and consult with a faculty member to draw up a contract outlining student responsibilities. The student, the instructor, and the division's academic director must sign the contract. Regular tuition schedules and rates apply to independent study.

Course Evaluations

Course evaluations are the mechanism for collecting feedback from students about their classes — how they feel about course content, instructors' effectiveness, appropriateness of textbook selection, and other aspects. All evaluations are confidential and anonymous. Students are urged to be honest and constructive in their remarks. The course evaluation process is conducted completely online at www.undergrad.nova.edu/currentstudents. Students must have an NSU email account to access the course evaluation website. Beginning two weeks before a class ends, students have a seven-day period to access and complete their course evaluations.

Declaring and Changing Majors, Minors, Programs, and Colleges

Declaring and Changing Majors

Undergraduate students study and work in major fields that prepare them to enter careers or continue formal education in graduate and professional school. Most students who enroll in the Farquhar College of Arts and Sciences select a major program during the admissions process; those who do not are considered "deciding." Deciding students and students who wish to change their originally declared major should contact their academic adviser.

Declaring and Conferral of Minors

In addition to earning minors in their own college, students in the Farquhar College of Arts and Sciences may also earn minors in other NSU colleges. Most courses taken to fulfill general education and major requirements may also be used to satisfy minor requirements. Minors are conferred to students after all minor requirements have been met. To have minors approved and conferred, students must fill out request for minor forms available from their academic adviser once coursework for the minor is complete. Minors will be noted on transcripts.

Changing Program Formats

Students who wish to change degree programs (e.g., Career Development Program to Professional and Liberal Studies Program, non-degree seeking to degree seeking, or from a campus-based to an online program) should contact their academic adviser. Transfer credit and scholarships awarded may not be applicable in all programs. Admissions requirements, degree requirements, tuition, and policies may differ.

Changing Colleges within NSU

Students who wish to transfer from the Farquhar College of Arts and Sciences to an undergraduate program in another NSU college or school should contact their academic adviser for more information about the transfer process.

Degree Programs — Double Majors

Students may graduate with double majors subject to the availability of courses, based on academic division schedules. Students who wish to declare a second major must inform their academic adviser.

Degree Programs — Second Bachelor's Degree

Individuals who already hold a bachelor's degree from an accredited institution, including NSU, may earn a second bachelor's degree from NSU by completing a minimum of 30 additional credits toward the second degree. At least 50 percent of the major must be taken at NSU.

Enrollment at Other Universities

Once enrolled at NSU, students must have written approval from their academic division to take courses at other regionally accredited institutions for the purpose of earning a degree at NSU. Written approval must be obtained before registering for a non-NSU course. Only under unusual circumstances will permission be granted. Courses may be used only for elective credit or general education course credit.

As much as 10 percent of the credits needed to complete NSU degree requirements may be taken at other regionally accredited institutions, based on the total number of credits a student needs to graduate at the time of initial enrollment at NSU. However, students must also meet NSU's residency requirements as outlined in the "Graduation - Requirements" section. To request permission to take courses at other institutions, students must submit a Concurrent/Interim Enrollment Application, which can be obtained from their adviser and must provide catalog descriptions of the requested courses to their adviser before enrollment.

Grading System

Instructors assign grades based on criteria established in course syllabi.

Grade Points

A Excellent 4.0
A- 3.7
B+ 3.3
B Good 3.0
B- 2.7
C+ 2.3
C Satisfactory 2.0
C- 1.7
D+ 1.3
D Marginal 1.0
F Failure 0.0
W Withdrawn Without Penalty
I Incomplete
P Pass
NG No Grade (not assigned by instructor)
AU Audit

Grade Point Average and Quality Points

A student's academic standing for a specific semester is his or her grade point average (GPA). Quality points determine the GPA and are calculated by multiplying the numerical value of a letter grade (points) by the number of credits assigned to a course. The GPA is calculated by dividing the total quality points earned in a semester by the total credits attempted in the semester. The student's overall academic standing is determined by the cumulative grade point average (CGPA). The CGPA is calculated by dividing the total quality points earned by the total credits attempted. These calculations use NSU coursework only.

Grade Reports

Student grades are disseminated via the online Student Information System at www.webstar.nova.edu. Legal provisions prohibit the release of personally identifiable information to anyone other than legally authorized persons. Students are permitted to inspect, review, and challenge such information as provided by law.

Dean's List

Full-time students who earn a GPA of 3.5 or higher in the fall or winter semester(s) qualify for the Dean's List. Dean's List letters will be mailed to the students and a Dean's List comment will appear on their official transcript. Students with grades of I (incomplete) are not eligible for the Dean's List for that semester.

Incomplete

An incomplete grade (I) is awarded only in unusual circumstances. An incomplete grade may be given only when a student has satisfactorily completed the majority of the work in a course and when all remaining requirements can be completed within an agreed upon amount of time following the end of the course. In no event may such time exceed 16 weeks. If the student does not complete the coursework within the agreed upon time period, the incomplete automatically changes to the grade earned based on the work accepted by the instructor to date. A grade of zero will be factored in for any missing work. A student who is absent at the final examination without prior approval is normally not eligible to receive an incomplete grade.

Incomplete grades will be awarded before the end of the course upon the satisfaction of the following conditions:

(a) the student has made a request of the instructor
(b) the student, the instructor, and the academic director have signed the contract for removal of an incomplete grade or agreed on its conditions via email

Optional Pass/Fail

Students in good academic standing may register for two electives outside their major, minor, or certificate program on a pass/fail basis. A pass/fail registration will not convert back to a normal registration (i.e., cannot be counted in the GPA). A failing grade will be reflected in the student's GPA.

Graduation — Degrees, Diplomas, and Commencement

Degree Conferral

Students are eligible for graduation when they meet the requirements listed in the Student Catalog in effect when they entered the university. Degrees are conferred by the university's Board of Trustees once students have met all the criteria listed under Graduation - Requirements. Once degrees have been conferred, transcripts showing the awarding of the degree are sent to students, and diplomas are printed and sent to students by mail.

Diplomas

The diploma indicates that the student has earned a degree (for example, bachelor of arts degree or bachelor of science degree). It does not indicate major. The academic transcript, the official record of work at NSU, indicates degree earned, major field of study, and minor, if any.

Graduation with Distinction

A student eligible for graduation with a cumulative grade point average of 3.8 or higher who has completed at least 54 credits at NSU is eligible to receive the degree with distinction. Petitions for exceptions to this policy should be submitted to the dean; the decision of the dean is final. There are no special ceremonies at Commencement for students graduating with distinction. However, a notation will be added to the student's diploma and official transcript.

Commencement

Commencement is held in May. It is not necessary for students to attend Commencement to have their degrees conferred. Degrees are conferred throughout the year.

Interruption of Studies

If there is an interruption in studies (one calendar year from the end of the last semester enrolled), the student must abide by the Student Catalog in effect upon return, or to requirements approved by the student's academic program director.

Policy Waivers, Student Action Forms, and Problem Resolution

Students may request waivers from specific college policies in unusual circumstances. In such cases, they should consult their academic adviser and complete a Student Action Form (SAF). See the "Student Action Forms" and "Problem Resolution" sections in *Academic Advising, Assistance, and Problem Resolution*.

Registration

Open Registration

Each semester at NSU consists of two terms but only one open registration period, listed in *Academic Calendars*. Open registration ends ten calendar days before the start of a semester. During open registration students should meet with their academic adviser to review class schedules. Timely registration ensures availability of seats in required classes, reduces the risk of financial aid problems, and decreases demand for last-minute advising appointments.

Online vs. In-Person Registration

Students may register online at www.webstar.nova.edu unless they are athletes, new students, NSU employees, or returning students on academic probation. A valid NSU Personal Identification Number (PIN) is required to participate in online registration. Directions can be found at: www.undergrad.nova.edu/webregistration.cfm.

To receive a PIN, students should call (954) 262-4850 or email pinhelp@nsu.nova.edu. Students ineligible for online registration and students who choose not to use online registration must meet with their academic adviser to register for classes and provide appropriate written documentation indicating their schedule choices.

Late Registration

Open registration ends ten (10) calendar days before the start of the semester. Students who initially register for semester classes after the open registration period are considered to be registering during late registration and must pay a late registration fee. The late registration fee applies to all courses and all terms within the semester. However, it does not apply to schedule adjustment (drop/add) changes during each term's drop/add period. The late registration fee will be waived for all students newly enrolled that semester. Dropping courses does not result in a refund of late fees.

Appealing the Late Registration Fee

Farquhar College of Arts and Sciences students wishing to appeal the late registration fee should send an email to saf@nsu.nova.edu from their NSU email account. Students should provide their name, NSU ID number, major, term, name of any other individuals contacted, and a detailed explanation of why they feel they should not have to pay this fee. Upon receipt, students will receive confirmation that their email has been received and any additional information needed will be requested at that time.

Each appeal will be reviewed according to the following criteria:

1. Is the student a new student?

2. Did the student register for any courses, for the relevant term, prior to the deadline?

3. Does the student have a valid reason for being unable to register prior to the deadline?

Appeals will be reviewed by the director of the Office of Operations. Appeals that fail to meet minimum criteria will be denied and the student will be notified by email. Students may appeal a decision to the dean by providing additional written justification for reversal to the Office of Operations. The decision by the dean is final. Students will receive notification, via NSU email, if a petition for reversal has been approved.

Dropping Courses Prior to the Semester

Students who intend to drop all of their courses for an upcoming semester may not process the full drop through Webstar. They must meet with their academic adviser to process the full drop.

Drop/Add Period

The first two weeks of each term are the drop/add period. An adviser is required to process all transactions during this period. During the first week, students may add and drop courses. Students who add classes after they have started are responsible for all course requirements. During the second week, students may only drop classes. Students who intend to drop all courses for a semester must meet with their academic adviser to process the full drop. For refund policies

related to courses dropped, students should refer to the "Tuition Refund Policies" section in *Financial Information*.

Student Athlete Eligibility

To retain student athlete eligibility, student athletes are required to carry at least 15 credits each semester. For more information, athletes should consult the Student Athlete Handbook available from the Department of Athletics.

Closed Classes

Enrollment capacity for each class is carefully determined to reflect the physical limitations of the classroom or lab as well as the subject's most effective learning and teaching environment. Once a class has been filled and closed to further registration, students should meet with their academic adviser for help adjusting schedules and choosing alternative classes that meet degree program requirements.

Students may appeal to register for closed classes under exceptional circumstances. Student appeals must be made in writing to the academic director of the division in which the course is offered. Appeals should not be directed to course instructors. Academic directors review appeals and may consult instructors when considering such requests. All appeals must explain why no alternative will support the student's degree requirements, explain why the student was unable to register for the class when space was available, and include a written endorsement from an academic adviser (e.g., by email).

Appeals will only be considered up to the date of the first class meeting. If a student appeal is granted, the academic director will authorize the student's academic adviser in writing (e.g., by email) to register the student. However, the registration must be processed within 24 hours of the director's notification. If the registration is not processed within that time period, the authorization is removed and the student's space in the closed class may be released to another student.

Repeated Courses

Subject to availability, students may repeat a course to improve the grade in that course, but credit toward graduation will be granted only once. All enrollments and grades will remain on the transcript and will have a notation that the course has been repeated. If students repeat a course, the highest grade will be counted in the student's GPA. After the course has ended, students must complete a repeated course form available from their academic adviser.

Student Conduct — Academic Integrity in the College

This section outlines basic issues of academic integrity for the Farquhar College of Arts and Sciences. For academic standards and specific violations, students should refer to the NSU Student Handbook's full Code of Student Conduct and Academic Responsibility (excerpted in this catalog).

Academic Conduct versus Other Conduct

Nova Southeastern University and the Farquhar College of Arts and Sciences have established clear expectations regarding student conduct and academic responsibility. When these standards are violated, significant disciplinary action can be expected, including expulsion from the university. Students are expected to abide by all university, college, and program rules and regulations as well as all federal, state, and local laws. Students are also expected to comply with the legal and ethical standards of their chosen fields of study. In the Farquhar College of Arts and Sciences, violations of academic standards are handled by the Office of the Dean. Other university violations--of conduct standards, supplementary standards, and university policies and procedures--are handled by the NSU Office of the Dean of Student Affairs or by the college's Office of the Dean, as deemed appropriate.

Academic Integrity in the Classroom

Instructors are charged with the responsibility to manage and evaluate academic integrity within their classrooms. If a student has violated standards of academic integrity, the instructor will assign an academic sanction (including failing the course) and will notify the Office of the Dean. The Office of the Dean may consider additional disciplinary action based on the severity of the infraction and whether there has been pervious academic misconduct.

Violations of academic standards may result in a complaint filed against a student. Deans, associate deans, or directors, at their discretion, may immediately suspend students pending a hearing on charges of violations. Sanctions may include disciplinary probation, suspension, or expulsion, including notation on the student's academic transcript.

Academic Integrity Committee Review of Academic Misconduct

In cases of significant or repeated instances of academic dishonesty, an Academic Integrity Committee, comprised of faculty members and students, will be convened. The AIC will meet only in cases in which a student wishes to challenge the

sanction issued in a case of academic misconduct. The dean may appoint up to five undergraduate students to serve on the AIC. One faculty member from each academic division serves on the committee, appointed by the academic director. The committee has no minimum number of members required for action; meetings are conducted based on faculty and student members present.

Students charged with academic misconduct will be notified of the impending sanction and be offered the opportunity to present mitigating evidence in their defense. If a student chooses to take advantage of this opportunity, the dean will convene a meeting of the AIC to consider the student's presentation. Faculty members involved will also be given the opportunity to present information. Such a review is optional. If a student is unable or unwilling to participate in this review, there will be no review and the appropriate sanction will be applied.

The Academic Integrity Committee does not review instructors' evaluation of coursework or decisions on academic misconduct. Students may appeal a classroom grade consequence of academic misconduct through the instructor and the academic director. Policies and procedures for appeal of grades are outlined in the catalog sections for "Student Action Forms" and "Problem Resolution Procedures" in *Academic Advising, Assistance, and Problem Resolution*.

Following review of students' presentations, the AIC decides whether a revision of consequences is warranted. The committee will make a recommendation to the dean, who will then make a final decision.

Student Conduct — NSU Code of Student Conduct

Excerpt from the 2005-2006 NSU Student Handbook

Code of Student Conduct and Academic Responsibility

Purpose: This code seeks to promote high standards of behavior and academic integrity by setting forth the responsibilities of students as members of the university community. Abiding by the code ensures a climate wherein all members of the university community can exercise their rights of membership.

Code of Student Conduct Statement

The university is a community of scholars in which the ideals of freedom of inquiry, freedom of thought, freedom of expression, and freedom of the individual are sustained. However, the exercise and preservation of these freedoms and rights require a respect for the rights of all in the community to enjoy them to the same extent. It is clear that in a community of learning, willful disruption of the educational process, destruction of property, and interference with the orderly process of the university as defined by the university administration or with the rights of other members of the university cannot be tolerated. Students enrolling in the university assume an obligation to conduct themselves in a manner compatible with the university's function as an educational institution. To fulfill its functions of imparting and gaining knowledge, the university retains the power to maintain order within the university and to exclude those who are disruptive to the educational process.

In support of the Code of Student Conduct, any violations of the Code of Student Conduct and Academic Responsibility and/or university policies and procedures may result in disciplinary action and/or criminal prosecution. Violations of academic and/or supplementary standards will be handled through the student's academic college, center, or school. Violations of conduct standards, supplementary standards, university policies, and/or procedures will be handled by the Office of the Dean of Student Affairs or by the individual academic college, center, or school as deemed appropriate.

Changes to the Code of Student Conduct and Academic Responsibility will be posted on the Student Affairs Web site. Students are required to be familiar with the rules, policies, and Code of Student Conduct and Academic Responsibility.

Nova Southeastern University
Statement of Student Rights and Responsibilities

Nova Southeastern University, as a community of women and men, is committed to furthering scholarship, academic pursuits, and service to our society. As an institution, our purpose is to ensure all students an equal opportunity to fulfill their intellectual potential through pursuit of the highest standards of academic excellence.

Certain rights and obligations flow from membership in any academic community committed to such goals:
-the rights of personal and intellectual freedom, which are fundamental to the idea of a university
-scrupulous respect for the equal rights and dignity of others
-dedication to the scholarly and educational purposes of the university and participation in promoting and ensuring the academic quality and credibility of the institution

Students are responsible for obtaining, learning, and observing the established university and academic center policies as listed in all official publications. In addition, students must comply with the legal and ethical standards of the institution, as well as those of Broward County, the state of Florida, as well as any other laws, rules, and/or regulations of other jurisdictions. All members of the community should inform the appropriate official of any violation of conduct regulations.

A. Academic Standards

The university is an academic community and expects its students to manifest a commitment to academic integrity through rigid observance of standards for academic honesty. The university can function properly only when its members adhere to clearly established goals and values. Accordingly, the academic standards are designed to ensure that the principles of academic honesty are upheld.

The following acts violate the academic honesty standards:

1. **Cheating:** intentionally using or attempting to use unauthorized materials, information, or study aids in any academic exercise
2. **Fabrication:** intentional and unauthorized falsification or invention of any information or citation in an academic exercise
3. **Facilitating Academic Dishonesty:** intentionally or knowingly helping or attempting to help another to violate any provision of this code

4. **Plagiarism:** the adoption or reproduction of ideas, words, or statements of another person as one's own without proper acknowledgment

Students are expected to submit tests and assignments that they have completed without aid or assistance from other sources. Using sources to provide information without giving credit to the original source is dishonest. Students should avoid any impropriety or the appearance thereof in taking examinations or completing work in pursuance of their educational goals.

Students are expected to comply with the following academic standards:

1. Original Work:
Assignments such as course preparations, exams, texts, projects, term papers, practicum, etc., must be the original work of the student. Original work may include the thoughts and words of another author. Entire thoughts or words of another author should be identified using quotation marks. At all times, students are expected to comply with the university and/or program center's recognized form and style manual and accepted citation practice and policy. Work is not original when it has been submitted previously by the author or by anyone else for academic credit.

Work is not original when it has been copied or partially copied from any other source, including another student, unless such copying is acknowledged by the person submitting the work for the credit at the time the work is being submitted, or unless copying, sharing, or joint authorship is an express part of the assignment. Exams and tests are original work when no unauthorized aid is given, received, or used before or during the course of the examination, re-examination, and/or remediation.

2. Referencing the Works of Another Author:
All academic work submitted for credit or as partial fulfillment of course requirements must adhere to each program center's specific accepted reference manuals and rules of documentation. Standards of scholarship require that the writer give proper acknowledgment when the thoughts and words of another author are used. Students must acquire a style manual approved by their center and become familiar with accepted scholarly and editorial practice in their program. Students' work must comport with the adopted citation manual for their particular center.

At Nova Southeastern University, it is plagiarism to represent another person's work, words, or ideas as one's own without use of a center-recognized method of citation. Deviating from center standards (see above) are considered plagiarism at Nova Southeastern University.

3. Tendering of Information:
All academic work must be the original work of the student. Giving or allowing one's work to be copied, giving out exam questions or answers, or releasing or selling term papers is prohibited.

4. Acts Prohibited:
Students should avoid any impropriety or the appearance thereof, in taking examinations or completing work in pursuance of their educational goals. Violations of academic responsibility include, but are not limited to the following:
-plagiarism
-any form of cheating
-conspiracy to commit academic dishonesty
-misrepresentation
-bribery in an attempt to gain an academic advantage
-forging or altering documents or credentials
-knowingly furnishing false information to the institution

Students in violation will be subjected to disciplinary action.

5. Additional Matters of Ethical Concern:
Where circumstances are such as to place students in positions of power over university personnel, inside or outside the institution, students should avoid any reasonable suspicion that they have used that power for personal benefit or in a capricious or arbitrary manner.

B. Conduct Standards

1. Students should not interfere with the rights, safety, or health of members of the university community nor interfere with other students' right to learn. Students are expected to abide by all university, center, and program rules and regulations and all local, state, and federal laws. Violations of conduct standards include, but are not limited to

a. theft (including shoplifting at any university service center, e.g., bookstore, food service facility), robbery, and related crimes
b. vandalism or destruction of property
c. disruptive behavior / disorderly conduct (e.g., in residence halls and classrooms, or at university-sponsored events, on or off campus)
d. physical or verbal altercation, assault, battery, domestic violence, or other related crimes
e. gambling
f. possession or use of firearms, fireworks, explosives, or other dangerous substances or items
g. possession, transfer, sale, or use of illicit and/or illegal drugs or alcohol if a minor
h. appearance in class or on campus under the apparent influence of drugs or alcohol, illegal or illicit drugs or chemicals
i. any act or conspiracy to commit an act that is harassing, abusive, or discriminatory or that invades an individual's right to privacy; sexual harassment; discrimination and abuse against members of a particular racial, ethnic, religious, on the basis of sex / gender, sexual orientation, marital status or cultural group and/or any other protected group or as a result of an individual's membership in any protected group
j. sexual misconduct
k. stalking
l. unacceptable use of computing resources as defined by the university. Students are also subject to the Acceptable Use of Computing Resources policy at www.nova.edu/common-lib/policies/aucr.policy.html.
m. impeding or obstructing NSU investigatory, administrative, or judicial proceedings
n. threats of or actual damage to property or physical harm to others
o. any activity that may be construed as hazing ("hazing" is defined as: any action or situation that recklessly or intentionally endangers the mental or physical health or safety of a student for the purpose of initiation or admission into or affiliation with any organization operating under the sanction of a university) or engaging in, supporting, promoting, or sponsoring hazing or violating university rules governing hazing
p. failure to pay tuition and fees in a timely manner
q. embezzlement or misuse of NSU and/or student organizational funds or monies
r. failure to comply with the directives of NSU officials
s. violation(s) of the terms or condition of a disciplinary sanction(s) imposed
t. violation of any policy, procedure, or regulation of the university or any state or federal law, rule, regulation, or county ordinance
u. fraud, misrepresentation, forgery, alteration or falsification of any records, information, data, or identity
v. plagiarism

2. Students must have authorization from the university to have access to university documents, data, programs, and other types of information and information systems. Any use of the above without authorization is prohibited.

C. Supplementary Standards

Students are expected to comply with the legal and ethical standards of this institution and those of their chosen field of study, including the Code of Ethics for Computer Usage. The university and each center or program may prescribe additional standards for student conduct. Reasonable notice may be provided when additions or changes are made to the standards for student conduct. Students should refer to their center and/or Student Affairs Web site for policy updates or changes.

D. Violations

Any violation(s) of any of the academic standards, conduct standards, or supplemental standards may result in a complaint being filed against a student to enforce the Code of Student Conduct and Academic Responsibility. Deans, associate deans, or directors may, in their discretion, immediately suspend students pending a hearing on charges of academic, conduct, or supplemental standards violations. Violations of academic, conduct, or supplemental standards are subject to disciplinary action, up to and including, expulsion from the university. Violations of academic standards will be handled through the student's academic college, school, or center. Violations of conduct or supplementary standards will be handled by the Office of the Dean of Student Affairs or by the individual academic college, school, or center as deemed appropriate.

E. Sanctions

If the student is found in violation of the Code of Student Conduct and Academic Responsibility and/or university policies and procedures, one or more of the following sanctions may be imposed. The following list is only illustrative. The university reserves the right to take additional disciplinary action as it deems appropriate.

1. Expulsion:
Permanent dismissal from the university with no right for future readmission under any circumstances. A student who has been expelled is barred from campus and/or visiting privileges.

2. Suspension:
Mandatory separation from the university for a period of time specified in an order of suspension. An application for readmission will not be entertained until the period of separation indicated in the suspension order has elapsed. Readmission is subject to approval of the university. During the period of suspension, the student is barred from campus visiting privileges unless specific permission is granted by the dean of student affairs or designee.

3. Temporary Suspension:
Action taken by the dean of student affairs / associate dean of student affairs, which requires a student's temporary separation from the university until a final determination is made of whether or not a student is in violation of the Code of Student Conduct and Academic Responsibility.

4. Final Disciplinary Probation:
A disciplinary sanction serving notice to a student that his / her behavior is in flagrant violation of university standards, under which the following conditions exist:

a. The sanction is for the remainder of the student's career and may be reviewed by the dean of student affairs no sooner than two regular academic semesters or equivalent after the sanction is imposed. After two semesters in attendance, a student may initiate a request in writing for reduction of the sanction to disciplinary probation, but must also demonstrate reason to substantiate the request.
b. Another violation of the Code of Student Conduct and Academic Responsibility will at a minimum result in suspension.

5. Disciplinary Probation:
A disciplinary sanction serving notice to a student that his / her behavior is in serious violation of university standards. A time period is indicated during which another violation of the Code of Student Conduct and Academic Responsibility will automatically raise the question of a more severe sanction (suspension or expulsion) if the student is found in violation.

6. Disciplinary Warning:
A disciplinary sanction serving notice to a student that his / her behavior has not met university standards. This sanction remains in effect for a designated number of semesters of attendance after which it is expunged from the student's file.

7. Verbal Warning:
A verbal warning is a verbal admonition to the student by a university staff member that his / her behavior is inappropriate. A verbal warning will be noted in the student's file for a period of time after which it is expunged from the student's file.

8. Fines:
Penalty fees payable to the university for violation of certain regulations with the Code of Student Conduct and Academic Responsibility.

9. Restitution:
Payment made for damages or losses to the university, as directed by the adjudicating body.

10. Restriction or Revocation of Privileges:
Restriction or revocation of privileges is the temporary or permanent loss of privileges, including, but not limited to, the use of a particular university facility, visitation privileges, and parking privileges.

11. Termination or Change of Residence Hall Contract/Accommodation:
Termination or change of residence hall contract/accommodation is a disciplinary sanction that terminates or changes the Residence Hall Contract/Accommodation. This should be accompanied by another form of disciplinary action. It is considered permanent unless lifted by the dean of student affairs / associate dean of student affairs / director of residential life or designee.

12. Counseling Intervention:
When extreme behavior indicates that counseling may be beneficial, the student may be referred to counseling.

13. Other Appropriate Action:
Disciplinary action not specifically outlined above, but approved through the dean of student affairs / associate dean of student affairs or designee.

14. Parent / Legal Guardian Notification:
NSU personnel reserve the right to contact or notify a student's parent(s) or legal guardian(s) of a minor student, under 21 years of age, in writing or by phone, when alcohol or drug violations of university policy occur, for other violations of NSU policy and procedure, and/or when NSU personnel determine a student's safety and/or welfare is at risk.

F. Appeal Process

An appeal of disciplinary action taken by the Office of the Dean of Student Affairs or its designee must be made in writing to the dean of student affairs within 72 hours of the receipt of the written disposition of the hearing. In appealing a disciplinary decision, the appeal must fall into one of the following categories:

1. the student has new evidence that was not available prior to the original hearing
2. the disciplinary process was not adhered to during the student's hearing
3. the sanction(s) do not relate appropriately to the violation

A written decision will be provided by the dean of student affairs within a reasonable amount of time from receipt of the appeal request. The decision of the dean of student affairs will be final. For appeals of disciplinary action taken by individual colleges, centers, or schools, please consult the academic section of this handbook related to this area and/or academic dean or designee.

Transfer Credits

NSU will transfer a maximum of 90 eligible semester credits (grades of C or higher) toward a degree, including credit for CLEP, proficiency exams, and prior experiential learning. A limited number of D grades may be considered, depending on the total number of credits being transferred and where the D grades are being applied to the curriculum. Remaining credits and at least 50 percent of credits in the student's major, minor, and/or certificate areas must be earned at NSU in regular academic offerings. See the "Academic Requirements and Progress" section.

Withdrawal from Classes

After a term’s drop/add period, students may withdraw from a course with no financial refund or credit up until the end of the week following the halfway point of the semester or term, depending on the course length. For example, students may withdraw up until the end of the fifth week of a term for an 8-week course or up until the end of the ninth week of a semester for a 16-week course. *Academic Calendars* lists exact withdrawal deadlines for each term.

Not attending classes does not constitute official withdrawal. A student who stops attending classes will receive grades based on course requirements and work completed.

Withdrawals cannot be processed in Webstar; students who plan to withdraw from a course must notify their academic adviser. Withdrawal forms must be received and processed by academic divisions prior to withdrawal deadlines.

Withdrawal from the University and Leaves of Absence

Leaves of Absence

Students who require a leave of absence for less than one year may return and continue their programs without reapplying to the university. If students have not registered for coursework for more than one year, they must reapply for admission and their major program's required curriculum will be reevaluated according to the most recent requirements as listed in the most current Student Catalog. Students should note that any leave of absence may affect eligibility for financial aid.

Withdrawing from the University

Students who plan to withdraw from all courses during a semester and leave the university must contact their academic adviser before withdrawing. Students who withdraw from the university must formally apply to be considered for readmission at a later date.

Honor Societies, Academic Organizations, and Institutes

This section includes organizations and institutes affiliated with the Farquhar College of Arts and Sciences.

Honor Societies

Alpha Chi

Alpha Chi is an academic honor society with more than 289 chapters in the United States. To qualify for Alpha Chi, students must be juniors or seniors, complete a minimum of 24 credits at NSU, and be in the top 10 percent of their major. Qualifying students are invited to join once a year. Membership in Alpha Chi includes eligibility to compete for local and national scholarships. Contact the Office of the Dean.

Beta Beta Beta

Beta Beta Beta (TriBeta) is a society for students, particularly undergraduates, dedicated to improving the understanding and appreciation of biological study and extending boundaries of human knowledge through scientific research. To join the NSU chapter (Rho Rho) as a regular member, a student must be a biology major, have an overall GPA of 3.2, at least three biology courses completed (one of which is above the introductory level), an average of 3.0 or higher in all biology courses, and 45 credits or more completed toward a degree. Anyone with an interest in biological sciences may join as an associate member. Contact the Division of Math, Science, and Technology.

Chemical Sciences Honor Society

The Chemical Sciences Honor Society brings together students with high academic achievement in the sciences to promote science awareness at NSU and help other students who have difficulty mastering chemistry. A minimum 3.3 GPA in science courses is required for admission into the society. Contact the Division of Math, Science, and Technology.

Lambda Epsilon Chi

Nova Southeastern University maintains a charter membership in Lambda Epsilon Chi (LEX), the national honor society for paralegal/legal assistant studies. The purpose of LEX is to recognize those who have demonstrated superior academic performance in an established program of paralegal studies offered at an institution that is an institutional member in good standing of the American Association for Paralegal Education (AAfPE). Students are inducted into LEX twice a year. To be eligible for induction, a student must have successfully completed two-thirds of the program requirements and have a cumulative grade point average of 3.5 or higher. Contact the Division of Social and Behavioral Sciences.

National Society for Collegiate Scholars

The National Society for Collegiate Scholars honors academic excellence and engaged citizenship among college students. Freshmen and sophomore students with a 3.4 GPA or higher are eligible to join. Contact the Office of the Dean.

Psi Chi

Psi Chi, the U.S. national honor society in Psychology, promotes excellence in scholarship and advances the science of psychology. Membership is open to undergraduate students who meet minimum academic qualifications. Contact the Division of Social and Behavioral Sciences.

Academic and Pre-professional Organizations

The Farquhar College of Arts and Sciences supports a diverse group of student organizations. For more university organizations, including Greek organizations and social, athletic, and service clubs, refer to the NSU Student Handbook.

Association of Computing Machinery

The NSU student chapter of the Association of Computing Machinery is committed to exposing members and the general community to developments in the world of information technology and computing. Contact the Division of Math, Science, and Technology.

Astronomy and Rocket Club

The Astronomy and Rocket Club provides a forum for students and community members interested in astronomy and space-related issues. Contact the Division of Math, Science, and Technology.

Athletic Training Student Organization

The Athletic Training Student Organization is the pre-professional organization for athletic training students. Contact the Division of Math, Science, and Technology.

Honors Student Association

The Honors Student Association serves as the social organization for the Undergraduate Honors Program community. Contact the Office of the Dean.

Marine Ecophysiology Research Society

The Marine Ecophysiology Research Society provides a forum for issues related to marine ecology. Contact the Division of Math, Science, and Technology.

NATURE (Nova's Adventure Toward Understanding and Researching Earth)

NATURE serves as a forum for students interested in raising campus and community awareness of environmental issues. Contact the Division of Math, Science, and Technology.

Phi Alpha Delta (co-ed pre-law fraternity) and Mock Trial Club

Phi Alpha Delta is a social and pre-professional organization serving students interested in a law career. Contact the Division of Humanities.

Pre-Dental Society

The Pre-Dental Society serves as a source of information for students pursuing a career in dentistry and assists students in formulating well-defined and realistic strategies for gaining admission to dental school. Contact the Division of Math, Science, and Technology.

Pre-Medical Society

The Pre-Medical Society serves as a source of information for students pursuing a career in medicine and assists students in formulating well-defined and realistic strategies for gaining admission to medical school. Contact the Division of Math, Science, and Technology.

Pre-Pharmacy Society

The Pre-Pharmacy Society serves as a source of information for students pursuing a career in pharmacy and assists students in formulating well-defined and realistic strategies for gaining admission to pharmacy school. Contact the Division of Math, Science, and Technology.

Psychology Club

The Psychology Club serves as a social organization and forum for students interested in psychology, regardless of major. Contact the Division of Social and Behavioral Sciences.

Society of Physics Students

The Society of Physics Students (SPS), a chapter of the national student organization sponsored by the American Institute of Physics (AIP), serves students interested in physics, regardless of major. Contact the Division of Math, Science, and Technology.

Spanish Club

The Spanish Club serves as a social organization for students interested in Spanish language and cultures. Contact the Division of Humanities.

Institute for Learning in Retirement

The Institute for Learning in Retirement (ILR), housed in the Farquhar College of Arts and Sciences, is an educational outreach organization offering lifelong learning programs for the South Florida senior community—including lecture courses, workshops, discussion groups, and field trips—that showcase NSU faculty members and visiting experts in the humanities, sciences, health care fields, and government. The ILR focuses on creating learning opportunities in a welcoming social environment and fostering intellectual challenge and stimulation balanced by entertainment and companionship. The evolving, year-round program features member self-governance for the creation of a broad curriculum of classroom and field events. For more information about ILR membership and programs, call (954) 262-8471 or (954) 262-8472, or email ilr@nsu.nova.edu.

Degree Requirements

This section includes learning outcomes and curricula for majors, minors, and certificates. All other division information, i.e., admissions, general policies, and program delivery, are included in other applicable catalog sections.

To receive a bachelor's degree in the Farquhar College of Arts and Sciences, students must complete at least 120 credits, including major, minor, general education, and electives coursework. For complete graduation requirements, see the "Academic Requirements and Progress" section in *Academic Policies and Procedures*.

Division of Humanities

The Division of Humanities offers the bachelor of science degree in legal studies and the bachelor of arts degree in communication studies, English, history, humanities, and theatre.

Majors in Humanities

Communication Studies Major

The communication studies major takes a broad approach, giving students a varied background in public speaking, media studies, and journalism. Students will learn how to write, speak, and listen effectively, as well as acquire skills in presentation, understand the role of communication in various settings, identify theories and models of communication, demonstrate knowledge and skill in the area of intercultural communication, and be conversant in mass media concepts and practices. A communication studies major prepares students for a wide variety of careers in such fields as broadcasting, education, public relations, television, radio, and law.

Communication Studies Learning Outcomes

A successful communication studies graduate is expected to

1. Communicate effectively
    a. write well, especially in the areas of journalism, speechwriting, and public relations
    b. speak well before public audiences, in small groups, and in interpersonal contexts
    c. listen effectively in a variety of contexts

2. Demonstrate skill in presentation design, especially in terms of
    a. audience analysis
    b. research for informative, persuasive, critical, and literary performance
    c. effective organization of presentation materials, and
    d. rehearsal and delivery

3. Comprehend the role of communication in personal, academic, and professional settings
    a. identify historical and contemporary theories and models of communication
    b. demonstrate knowledge and skill in the area of intercultural communication
    c. be conversant in mass media concepts and practices

Communication Studies Curriculum

Students must complete communication studies core courses (18 credits) as well as fifteen credits in one of two concentrations for a total of 33 credits. At least 18 credits in the major must be at the 3000/4000 level.

Communication Studies Core Courses

Select six courses from the following:
COMM 2300 Intercultural Communication (3 credits)
COMM 3110 Communication Theory (3 credits)
COMM 4900 Special Topics in Communication (3 credits)
HUMN 3010 Communication Traditions (3 credits)
PHIL 3010 Ethical Issues in Communication (3 credits)
PSYC 2330 Interpersonal Communication (3 credits)
SPCH 2000 Fundamentals of Human Communication (3 credits)
18 credits

Communication Studies Major Concentrations

Select One Concentration:

Speech Communication Concentration

Select five courses:
COMM 3050 Performance Studies (3 credits)
COMM 4900 Special Topics in Communication (3 credits)
COMM 4950 Internship in Communication (up to 6 credits)
SPCH 1010 Public Communication (3 credits)
SPCH 2020 Argument and Debate (3 credits)
SPCH 2030 Oral Interpretation (3 credits)
SPCH 3120 Speech Communication for the Professions (3 credits)
15 credits

Media Studies Concentration

Select five courses:
ARTS 1400 The Theatre Arts (3 credits)
COMM 2100 Mass Media (3 credits)
COMM 2200 Introduction to Broadcast Journalism (3 credits)
COMM 3100 Gendered Images in Popular Culture (3 credits)
COMM 4900 Special Topics in Communication (3 credits)
COMM 4950 Internship in Communication (up to 6 credits)
COMP 2010 Introduction to Journalism (3 credits)
FILM 2000 Introduction to Film (3 credits)
FILM 3040 Women and Film (3 credits)

FILM 3050 Literature and Film (3 credits)
FILM 3060 Film Noir (3 credits)
15 credits

Communication Studies Major Total 33 credits

English Major

The English major is designed to provide students with a background in British, American, and world literatures, literary criticism and theory, popular culture, and rhetoric and composition. Students in this major will develop critical thinking, close reading, and analytical and creative writing skills. An English major prepares students for a wide variety of careers in such fields as education, publishing, law, business, and government.

English Learning Outcomes

A successful English graduate is expected to

1. Communicate effectively
    a. write well
    b. speak well

2. Comprehend and analyze complex material
    a. evaluate arguments
    b. analyze literary texts in terms of genre, history, form, and aesthetics
    c. write about critical texts in relation to literature

3. Identify the major periods, authors, and genres of American, British, and world literature

4. Demonstrate an understanding of literary text as creative expression, historical artifact, political instrument, and social construct

English Curriculum

Students must complete a total of 33 credits in the major. At least 18 credits in the major must be at the 3000/4000 level.

English Major Literature Survey

Select four courses:
LITR 2010 British Literature I (3 credits)
LITR 2011 British Literature II (3 credits)
LITR 2020 American Literature I (3 credits)
LITR 2021 American Literature II (3 credits)
LITR 2030 World Literature I (3 credits)
LITR 2031 World Literature II (3 credits)
12 credits

English Major Literature Core Courses

LITR 3060 History & Structure of the English Language (3 credits)
LITR 4050 Literary Criticism and Theory (3 credits)
Any LITR 3200 “Literary Period Studies” course (3 credits)
Any LITR 3500 “Literary Area Studies” course (3 credits)
Any LITR 3600 “Literary Genres” course (3 credits)
Any LITR 4700 “Major Authors” course (3 credits)
18 credits

English Major Elective

Any 3000/4000 level LITR course (3 credits)
3 credits

English Major Total 33 credits

History Major

The history major is designed to provide students with a background in American, European, world, and Latin American history, western civilization, constitutional history, and the intersections between history and culture. Graduates of the program will have studied one of the most interesting subjects available in a college curriculum: the human past. A history major will be proficient in research, writing, debate, analysis, and interpretation of a myriad of historical events and patterns that cross boundaries of time and geography.

History Learning Outcomes

A successful history graduate is expected to

1. Communicate effectively
    a. write well
    b. speak well

2. Comprehend and analyze complex material
    a. evaluate arguments
    b. analyze historical texts
    c. write about critical texts in relation to historical events

3. Identify the major periods and events of American, western, and world history

4. Comprehend the cultural forces and influences associated with historical events

History Curriculum

Students must complete a total of 36 credits in the major. At least 18 credits in the major must be at the 3000/4000 level.

History Major Historical Surveys

Select four courses:
HIST 1030 American History to 1865 (3 credits)
HIST 1040 American History since 1865 (3 credits)
HIST 1090 Early Western History (3 credits)
HIST 1110 Modern Western History (3 credits)
HIST 1150 Early World History (3 credits)
HIST 1160 Modern World History (3 credits)
12 credits

History Major Intermediate Study

Select two courses:
HIST 2010 History of Florida (3 credits)
HIST 2130 Formation of Latin America (3 credits)
HIST 2140 Modern Latin America (3 credits)
HIST 2200 Asian History (3 credits)
HIST 2300 Caribbean History (3 credits)
6 credits

History Major Advanced Study

Select six courses including HIST 4500:
HIST 4500 Historiography (3 credits)
HIST 3010 Constitutional History I (3 credits)
HIST 3020 Constitutional History II (3 credits)
HIST 3130 Vietnam (3 credits)
HIST 3140 The Holocaust (3 credits)
HIST 3230 The Great Depression (3 credits)
HIST 3240 Irish History (3 credits)
HIST 4900 Special Topics in History (3 credits)
18 credits

History Major Total 36 credits

Humanities Major

The humanities major is a student-designed individualized program of study for students wishing to gain a broad background in the various disciplines included in the liberal arts, such as the arts, history, literature, political studies, philosophy, theatre, and interdisciplinary studies. The courses in this major aid students in developing analytical and communication skills, aesthetic responsiveness, moral imagination, and intellectual integrity.

Humanities Learning Outcomes

A successful humanities graduate is expected to

1. Communicate effectively
    a. write well
    b. speak well

2. Integrate aspects of complex material
    a. analyze complex materials and issues
    b. synthesize complex material and issues
    c. explain the social, philosophical, or political contexts of important literary, historic, and philosophic works
    d. explain the significance and implications of important moral, ethical, and aesthetic issues of the past, present, and future

3. Evaluate the role of the humanities as both reflections and expressions of human experience
    a. situate his/her own life in the context of other lives—past, present, and future
    b. explain how enduring insights or themes in the humanities are relevant to contemporary issues and choices

4. Utilize the methods, insights, and innovations from at least four humanities disciplines in the analysis of a significant problem or inquiry

Humanities Curriculum

In order to complete the humanities major, the student must submit to the director of the Division of Humanities, in consultation with a full-time member of the faculty in the Division of Humanities, a written prospectus outlining his or her program of study. The student, the consulting faculty member, and the director must sign the prospectus no later than the end of the first semester in which the student declares the major. The student's program of study must also satisfy these requirements:

Humanities Major Required Courses

The student must complete at least thirty credits in the major. At least 18 credits in the major must be at the 3000/4000 level. The student must successfully complete at least one course at the 3000/4000 level in at least four of the humanities areas:

Arts (courses with ARTS prefix)
Film (courses with FILM prefix)
History (courses with HIST prefix)
Humanities (courses with HUMN prefix)
Literature (courses with LITR prefix)
Philosophy (courses with PHIL prefix)
Theatre (courses with THEA prefix)

Humanities Major Total 30 credits

Legal Studies Major

The legal studies major is designed for students interested in preparing for law school or other graduate study and for those who want to pursue a humanities major with a legal perspective. The courses in the major assist students in developing analytical and communication skills and an understanding of economic, political, and social contexts within which legal issues arise.

Legal Studies Learning Outcomes

A successful legal studies graduate is expected to

1. Communicate effectively
    a. write well
    b. speak well

2. Analyze complex material
    a. identify the elements of an argument
    b. evaluate arguments
    c. identify the relationships among elements of a legal system as well as between legal systems

3. Comprehend the contexts within which legal issues arise and the implications of legal decisions
    a. demonstrate an understanding of the historical development of legal systems
    b. demonstrate an understanding of the economic and social contexts of legal decisions and systems
    c. demonstrate an understanding of the political contexts and implications of legal decisions

Legal Studies Curriculum

Students must complete the legal studies core (18 credits), either the pre-law or international law concentration (12 credits), and two legal studies advanced electives (6 credits) for a total of 36 credits. At least 18 credits in the major must be at the 3000/4000 level.

Legal Studies Major Core Courses

LGST 2500 Introduction to Legal Studies (3 credits)
SPCH 2020 Argument and Debate (3 credits)
PHIL 1300 Critical Thinking (3 credits)
PHIL 2000/3010/3180/3200/3360 'Ethics' (3 credits)
PHIL 3660 Philosophy of Law (3 credits)
PHIL 3330/3340 History of Political Thought I or II (3 credits)
18 credits

Legal Studies Major Advanced Electives

Select two:
LGST 3350 Environmental Law and Policy (3 credits)
LGST 4000 Legal Research and Trial Advocacy (3 credits)
LGST 4050 Civil and Political Liberties (3 credits)
LGST 4260 Private Law (3 credits)
LGST 4270 Judicial Politics and Process (3 credits)
LGST 4410 International Law (3 credits)
LGST 4950 Internship in Legal Studies (up to 6 credits)
6 credits

Legal Studies Major Concentrations (Select One):

Pre-Law Concentration

POLS 1010 American Government and Politics (3 credits)
HIST 3010 Constitutional History I (3 credits)
HIST 3020 Constitutional History II (3 credits)
LGST 4000 Legal Research and Trial Advocacy (3 credits)
12 credits

International Law Concentration

GLBS 1500 Global Issues (3 credits)
POLS 2010 Comparative Government (3 credits)
LGST 3400 Comparative Legal Systems (3 credits)
LGST 4410 International Law (3 credits)
12 credits

Legal Studies Major Total 36 credits

Theatre Major

The theatre major at NSU takes a broad approach, giving students a varied background in the discipline of theatre. Students will learn how to communicate effectively, identify the historical periods and styles of theatre, demonstrate knowledge of and skill in aspects of technical theatre, such as costuming, lighting, set design and construction, demonstrate skill in public performance, direct theatrical scenes or productions, and understand the role of drama in culture. A theatre major prepares students for a wide variety of careers in professional theatre, education, television, and broadcast journalism.

Theatre Learning Outcomes

A successful theatre graduate is expected to

1. Communicate effectively
   a. write well
   b. speak well

2. Identify the historical periods and styles of theatre

3. Demonstrate knowledge of and skill in some aspect(s) of technical theatre
   a. costuming
   b. lighting
   c. set design and construction

4. Demonstrate skill in public performance, especially in terms of
   a. character analysis
   b. analysis of dramatic literature
   c. execution of performance on the small and main stage

5. Direct theatrical scenes or productions and

6. Comprehend the role of drama in culture

Theatre Curriculum

At least 18 credits in the major must be at the 3000/4000 level. THEA 3100 can be taken up to three times for a total of three credits.

Theatre Major Core Courses

ARTS 1400 The Theatre Arts (3 credits)
LITR 3640 Studies in Drama or
LITR 4720 Shakespeare (3 credits)
SPCH 2030 Oral Interpretation (3 credits)
THEA 2020 Acting I (3 credits)
THEA 2060 Technical Theatre (3 credits)
THEA 3000 Theatre History (3 credits)
18 credits

Theatre Major Electives

Choose 15 credits:
ARTS 1500 Music Through History (3 credits)
FILM 2000 Introduction to Film (3 credits)
COMM 3050 Performance Studies (3 credits)
THEA 2000 Voice and Movement (3 credits)
THEA 3020 Acting II (3 credits)
THEA 3050 Costuming and Makeup (3 credits)
THEA 3060 Scene Design (3 credits)
THEA 3100 Theatre Laboratory (1 credit)
THEA 4100 Directing for the Stage (3 credits)
THEA 4950 Internship in Theatre (3-6 credits)
15 credits

Theatre Major Total 33 credits

Minors in Humanities

English Minor

The English minor provides a broad overview of American, British, and world literatures and reinforces effective writing and analytical skills. Combined with any major program of study, the English minor offers students an opportunity to improve their critical thinking and writing, a plus for any profession, and also widens students' perspectives about literary texts of the world from antiquity to the present.

English Minor Required Courses

Students must complete any five literature (LITR) courses, three of which must be at the 3000/4000 level.

English Minor Total 15 credits

Folklore and Mythology Minor

The folklore and mythology minor provides students with an overview of the ways that various artistic features of a culture tell the story of where it has been and where it is going. The folklore and mythology minor deepens students' understanding of how a culture's storytelling contributes to its evolution.

Folklore and Mythology Minor Required Courses

Students must complete five courses from the following list, three of which must be at the 3000/4000 level.

Select one:
HUMN 2300 Introduction to World Mythology (3 credits)
HUMN 2350 Introduction to Folklore (3 credits)
3 credits

Select four:
ARTS 3300 Myth and Art (3 credits)
ARTS 3400 Non-Western and Modern Art (3 credits)
COMM 3100 Gendered Images Pop Culture (3 credits)
HUMN 2300 Introduction to World Mythology (3 credits)
HUMN 2350 Introduction to Folklore (3 credits)
HUMN 4100 Death and Dying (3 credits)
HUMN 4200 Asian Thought (3 credits)
HUMN 4310 The Vampire (3 credits)
LITR 4510 King Arthur (3 credits)
12 credits

Folklore and Mythology Minor Total 15 credits

Gender Studies Minor

The gender studies minor examines the relationship between biological differences and social inequality, explores the construction of sexual identity, and analyzes the variations in gender systems that have occurred across cultures over time. Students will explore the methods and concepts of gender studies in a variety of academic disciplines including film studies, law, literature, philosophy, psychology, and sociology. Students must complete two required courses and three elective courses. At least three courses in the minor must be at the 3000/4000 level.

Gender Studies Minor Required Courses

GEST 2050 Introduction to Gender Studies (required) (3 credits)
GEST 4900 Special Topics in Gender Studies (required) (3 credits)
6 credits

Gender Studies Minor Electives

Select three:
ARTS 3020 Women in the Arts (3 credits)
COMM 3100 Gendered Images in Popular Culture (3 credits)
FILM 3040 Women and Film (3 credits)
LITR 3040 Women and Literature (3 credits)
LITR 4060 Feminist Criticism and Theory (3 credits)
PHIL 4900 Special Topics in Philosophy (when offered as Issues of Gender and Sex) (3 credits)
PSYC 2110 Human Sexuality (3 credits)
PSYC 3360 Psychology of Gender (3 credits)
PSYC 4600 Biological Bases of Behavior: Gender (3 credits)
SOCL 3110 Gender, Sexuality and the Family (3 credits)
SOCL 3300 Gender at Work (3 credits)
9 credits

Gender Studies Minor Total 15 credits

Global Studies Minor

The global studies minor provides a broad international perspective for students who plan careers in business, government, medical and psychological services, the legal profession, or education. The courses in this minor allow students to expand their concept of social and ecological responsibility in the global arena.

Global Studies Minor Required Courses

Choose five courses from the following list, three of which must be at or above the 3000/4000 level:

ARTS 3400 Non-Western and Modern Art (3 credits)
GEOG 2050 Survey of Geography (3 credits)
GEOG 2900 Special Topics in Geography (3 credits)
GEOG 3000 Geography of Ecotourism (3 credits)
GEOG 4900 Advanced Special Topics in Geography (3 credits)
GLBS 1500 Global Issues (3 credits)
GLBS 2250 The Pacific Rim (3 credits)
HIST 2130 The Formation of Latin America (3 credits)
HIST 2140 Modern Latin America (3 credits)
HIST 2200 Asian History (3 credits)
HIST 2300 Caribbean History (3 credits)
HIST 3240 Irish History (3 credits)
LACS 4850 Preparation for Field Study (3 credits)
LACS 4860 Field Study in Latin America (3 credits)
LGST 3400 Comparative Legal Systems (3 credits)
LGST 4410 International Law (3 credits)
LITR 2030 World Literature I (3 credits)
LITR 2031 World Literature II (3 credits)
PHIL 3360 Environmental Ethics (3 credits)
PSYC 3760 Multicultural Issues in Psychology (3 credits)
15 credits

Optional Concentration in Latin American/Caribbean Studies

As part of the global studies minor, students may receive a concentration in Latin American/Caribbean studies by completing the following courses:
HIST 2130 The Formation of Latin America (3 credits)

HIST 2140 Modern Latin America (3 credits)
HIST 2300 Caribbean History (3 credits)

Global Studies Minor Total 15 credits

History Minor

The history minor provides a broad overview of U.S., European, Latin American, and world history and reinforces effective writing and analytical skills. Combined with any major program of study, the history minor offers students an opportunity to improve their critical thinking and writing, a plus for any profession, and also widens students' perspectives about historical events of the world from antiquity to the present.

History Minor Required Courses

Students must complete any five history (HIST) courses, three of which must be at the 3000/4000 level.

History Minor Total 15 credits

Humanities Minor

The humanities minor provides intellectual challenge and personal development for students who are intrigued by artistic, social, and ethical questions and who wish to study the relationships among liberal arts disciplines. Combined with a major in a specialized field, the humanities minor prepares individuals to meet the challenges of the contemporary world.

Humanities Minor Required Courses

Students must complete any five arts (ARTS), film (FILM), history (HIST), humanities (HUMN), literature (LITR), philosophy (PHIL), or theatre (THEA) courses in at least three of the humanities areas with at least three courses at the 3000/4000 level.

Humanities Minor Total 15 credits

International Law Minor

The international law minor is designed for those students who seek a broad understanding of the relationships between the legal systems of different nations as well as regulations, agreements, and treaties maintained between specific nations or by international organizations.

International Law Minor Required Courses

GLBS 1500 Global Issues (3 credits)
POLS 2010 Comparative Government (3 credits)
LGST 3400 Comparative Legal Systems (3 credits)
LGST 4410 International Law (3 credits)
Any LGST course (3 credits)

International Law Minor Total 15 credits

Legal Studies Minor

The legal studies minor is designed to prepare students in any major for law school. The minor emphasizes skills required for admission into law school and success once there.

Legal Studies Minor Required Courses

HIST 3010 Constitutional History I (3 credits)
HIST 3020 Constitutional History II (3 credits)
LGST 4000 Legal Research and Trial Advocacy (3 credits)
PHIL 1300 Critical Thinking (3 credits)
POLS 1010 American Government and Politics (3 credits)

Legal Studies Minor Total 15 credits

Media Studies Minor

The media studies minor is designed to give students a critical overview of media in society, encompassing theoretical perspectives on film, television, journalism, and advertising.

Media Studies Minor Required Courses

Students must complete five courses from the following list, three of which must be at the 3000/4000 level:

ARTS 1400 The Theatre Arts (3 credits)
FILM 2000 Introduction to Film (3 credits)
FILM 3040 Women and Film (3 credits)
FILM 3050 Literature and Film (3 credits)
FILM 3060 Film Noir (3 credits)
COMM 2100 Mass Media (3 credits)
COMM 2200 Introduction to Broadcast Journalism (3 credits)
COMM 3100 Gendered Images in Popular Culture (3 credits)
COMM 3110 Communication Theory (3 credits)
COMM 4900 Special Topics in Communication (3 credits)
COMP 2010 Introduction to Journalism (3 credits)
HUMN 3010 Communication Traditions (3 credits)
PHIL 3010 Ethical Issues in Communication (3 credits)

Media Studies Minor Total 15 credits

Medical Humanities Minor

The medical humanities minor is designed to give students an overview of the ways that the medical arts and sciences intersect and interact with various disciplines in the humanities, in such ways as art and medicine, bioethics, the history of medicine, literature and medicine, music and medicine, medicine in the performing arts, medicine and philosophy, and medicine and law.

Medical Humanities Minor Required Courses

Students must complete five courses from the following list, three of which must be at the 3000/4000 level.

HUMN 2200 Introduction to Medical Humanities (3 credits)
HUMN 4100 Death and Dying (3 credits)
LITR 3500 Literature and Medicine (3 credits)
PHIL 3180 Biomedical Ethics (3 credits)
PHIL 3220 Philosophy of Science (3 credits)

PSYC 2470 Loss, Grief, and Bereavement (3 credits)

Medical Humanities Minor Total 15 credits

Spanish Minor

The Spanish minor provides students with focused study in Spanish language and literature, as well as focused study of culture in Spanish-speaking countries around the world.

Spanish Minor Required Courses

Students must complete five courses in Spanish (SPAN), three of which must be at the 3000/4000 level.

Spanish Minor Total 15 credits

Speech Communication Minor

The speech communication minor provides students with a focused study of public speaking and oral rhetoric, emphasizing both the theory and practice of speech communication.

Speech Communication Minor Required Courses

Students must complete five courses from the following list, three of which must be at the 3000/4000 level.

COMM 2300 Intercultural Communication (3 credits)
COMM 3050 Performance Studies (3 credits)
COMM 3110 Communication Theory (3 credits)
COMM 4900 Special Topics in Communication (3 credits)
HUMN 3010 Communication Traditions (3 credits)
PHIL 3010 Ethical Issues in Communication (3 credits)
SPCH 1010 Public Communication (3 credits)
SPCH 2000 Fundamentals of Human Communication (3 credits)
SPCH 2020 Argument and Debate (3 credits)
SPCH 2030 Oral Interpretation (3 credits)
SPCH 3120 Speech Communication for the Professions (3 credits)

Speech Communication Minor Total 15 credits

Theatre Minor

The theatre minor offers students an opportunity to experience the tradition and experience of the theatre. It serves as an excellent complement to many majors, including English, communication studies, and humanities. This minor will allow students to branch out from their subject of study and not only learn the tradition and techniques of the theatre, but also be better equipped to participate confidently in one or more of the co-curricular and extra-curricular experiences that will be generated by the theatre program.

Theatre Minor Required Courses

Select 15 credits from the following list, three of which must be at the 3000/4000 level. THEA 3100 can be taken up to three times for a total of three credits.

ARTS 1400 The Theatre Arts (3 credits)
COMM 3050 Performance Studies (3 credits)
SPCH 2030 Oral Interpretation (3 credits)
THEA 2000 Voice and Movement (3 credits)
THEA 2020 Acting I (3 credits)
THEA 2060 Technical Theatre (3 credits)
THEA 3000 Theatre History (3 credits)
THEA 3020 Acting II (3 credits)
THEA 3050 Costuming and Makeup (3 credits)
THEA 3060 Scene Design (3 credits)
THEA 3100 Theatre Laboratory (1 credit)
THEA 4100 Directing for the Stage (3 credits)

Theatre Minor Total 15 credits

Writing Minor

The writing minor provides a broad overview of various types of writing, and reinforces techniques of analysis and expression. Students will learn how to write in various genres by reading models of published authors and participating in writing course workshops. The writing in the minor will focus on analytical and professional writing skills, as well as creative writing.

Writing Minor Required Courses

Students must complete five courses from the following list, three of which must be at the 3000/4000 level.

WRIT 2500 Introduction to Creative Writing (3 credits)
WRIT 3020 Poetry Workshop (3 credits)
WRIT 3030 Fiction Workshop (3 credits)
WRIT 3150 Business Writing (3 credits)
WRIT 3160 Scientific and Technical Writing (3 credits)
WRIT 4900 Special Topics in Writing (3 credits)

Writing Minor Total 15 credits

Division of Math, Science, and Technology

The Division of Math, Science, and Technology offers the bachelor of science degree in athletic training*, biology (premedical)*, computer information systems, computer science, environmental science/studies, and marine biology*. The division also administers computer engineering technology, computer studies, information technology, and natural science concentrations for the college's interdisciplinary major in applied professional studies.

*These majors are available only to students enrolled in the Professional and Liberal Studies Program.

Majors in Math, Science, and Technology

Athletic Training Major

The athletic training major is designed to prepare students to become competent allied health care professionals who specialize in injury and illness prevention, assessment, treatment, and rehabilitation for physically active people. The curriculum provides a balance between classroom instruction and clinical experience that prepares students to become competent allied health care professionals in clinics, colleges, universities, high schools, and other settings.

NSU's athletic training major, established in 2003, is currently seeking accreditation from the Commission on the Accreditation of Allied Health Education Programs (CAAHEP). Contingent upon accreditation, athletic training students will graduate with a bachelor of science degree in athletic training and will be eligible to sit for the Board of Certification (BOC) examination. The athletic training major is designed to ensure that students who graduate from the program meet all requirements necessary to pass the BOC exam (contingent on program accreditation status).

Athletic Training Program Goals

The athletic training program will

1. develop communication, critical thinking, and professional skills to prepare students for the allied health field of athletic training

2. meet the standards, guidelines, and requirements for accreditation and from governing organizations such as the National Trainers' Association (NATA), the Joint Review Committee-Athletic Training (JRC-AT) and the Commission on Accreditation of Allied Health Education Program (CAAHEP)

3. provide an effective and interactive learning environment as well as a solid educational foundation both in didactic and clinical experience settings. The program will utilize modern educational media and advanced technology regularly in the clinical and educational settings. It will expose students to hands-on experiences, clinical settings, and professionals representing a wide range of allied and medical health care professions. Students will receive clinical instruction by professionals representing other medical and allied health disciplines, such as medical doctors, physical therapists, physician assistants, occupational therapists, and osteopathic physicians

4. create an optimal learning community of faculty, clinical athletic trainers, and students that will provide quality health care for NSU's NCAA Division II intercollegiate athletic programs and varied affiliated sites at all levels of sport, from grade school to professional sports teams

5. prepare program students to attain graduate or professional school placement, or entry-level employment within six months of graduating from the program. Additionally, program graduates will obtain state licensure and other necessary professional designations from the appropriate regulatory agencies in the states where they will be employed.

Athletic Training Learning Outcomes

A successful athletic training graduate is expected to

1. demonstrate understanding of the field of athletic training as an academic discipline and as a profession

2. develop an appreciation for the physical, psychological, and emotional demands of physically active individuals and the sports medicine professionals involved in their care

3. develop the clinical, communication, critical thinking, and professional skills necessary for a successful allied health care career in athletic training

4. demonstrate an appreciation for the ethical and societal issues associated with the athletic training field

Athletic Training Curriculum

During the athletic training program's first two semesters, the pre-professional year, students must successfully complete all introductory coursework, ATTR 1100 Introduction to Athletic Training, ATTR 1200 Principles of Athletic Training, and ATTR 1300 Emergency Care and First Aid. During the pre-professional year, students are also required to spend 100 hours observing certified athletic trainers in a variety of settings.

Athletic Training Major Required Courses

ATTR 1100 Introduction to Athletic Training (1 credit)
ATTR 1200 Principles of Athletic Training/LAB (3 credits)
ATTR 1300 Emergency Care and First Aid/CPR (3 credits)
ATTR 1400 Health and Fitness (3 credits)
ATTR 2100 Injury Evaluation I /Lab (3 credits)
ATTR 2200 Injury Evaluation II /Lab (3 credits)
ATTR 2210 Clinical Exp. In Athletic Training I (1 credit)
ATTR 2220 Clinical Exp. In Athletic Training II (1 credit)
ATTR 2300 Sports Nutrition (3 credits)
ATTR 2400 Strength and Conditioning (2 credits)
ATTR 3100 General Medicine in Sport (3 credits)
ATTR 3230 Clinical Exp. In Athletic Training III (1 credit)
ATTR 3240 Clinical Exp. In Athletic Training IV (1 credit)
ATTR 3300 Therapeutic Modalities/Lab (4 credits)

ATTR 3500 Rehabilitation of Athletic Injuries/Lab (4 credits)
ATTR 4100 Athletic Training Administration (3 credits)
BIOL 1400 Introductory Cell Biology/Lab (3 credits)
BIOL 3312 Human Anatomy & Physiology /Lab (5 credits)
BIOL 3700 Kinesiology (3 credits)
BIOL 3710 Exercise Physiology (3 credits)
53 credits

Athletic Training Major Electives (optional)

ATTR 4300 Applied Research in Athletic Training (3 credits)
ATTR 4950 Internship in Athletic Training (3 credits)

Athletic Training Major Total 53 credits

Biology (Premedical) Major

The biology major, with a premedical emphasis, provides a strong curriculum in biology with significant study in the physical sciences. This major can provide the basis for graduate study in specialized fields of biology, for professional training in medical fields, and for teaching. Professional careers in the medical fields and in biology involve graduate study beyond the baccalaureate degree; therefore, both the core and the major have been designed to meet the admission requirements of many medical, dental, pharmacy, optometry, allied health, and veterinary schools, and of schools for graduate study in the biological sciences. Dual admission and combined programs with the Nova Southeastern University Health Professions Division are available for select, qualified students. Information on these programs can be obtained from the Office of Admissions.

Biology Specializations

Biology specializations are for students who require specific prerequisites for professional schools in the health professions. To earn a specialization, a student must achieve a C or higher in all coursework in that specialization. Requirements may vary and specific graduate programs may require additional courses in writing, math, social and behavioral sciences, and the humanities. Students should consult with specific graduate schools to be sure that they meet the requirements.

Biology Major Learning Outcomes

A successful biology graduate is expected to

1. demonstrate a working knowledge of the scientific method

2. demonstrate essential knowledge of biology

3. demonstrate essential knowledge of chemistry

4. demonstrate essential knowledge of physics

5. communicate concisely and clearly

6. use mathematics to solve scientific problems and evaluate research data

7. use current technology to gather, process, transmit, and display information

8. demonstrate knowledge of ethical, historical, and contemporary issues related to the life sciences

Biology Major Curriculum

Biology Major Required Courses

BIOL 1500 Biology 1/Lab (4 credits)
BIOL 1510 Biology II/Lab (4 credits)
BIOL 3320 Anatomy and Physiology I/Lab (4 credits)
BIOL 3330 Anatomy and Physiology II/Lab (4 credits)
BIOL 3400 Microbiology/Lab (4 credits)
BIOL 3600 Genetics/Lab (4 credits)
BIOL 4340 Cellular and Molecular Biology (3 credits)
BIOL 4450 Biochemistry/Lab (4 credits)
CHEM 2300 General Chemistry 1/Lab (4 credits)
CHEM 2310 General Chemistry 2/Lab (4 credits)
Any science prefix BIOL/CHEM/SCIE/MBIO/PHYS/ENVS; 2000 level or higher (3 credits)
MATH 2100 Calculus I (4 credits)
PHIL 3180 Biomedical Ethics (3 credits)
Any TECH/CSIS (3 credits)

Biology Major Total 52 credits

Pre-Med Specialization

Medical School Prerequisites

BIOL 1500 Biology I/Lab (4 credits)
BIOL 1510 Biology II/Lab (4 credits)
CHEM 2300 General Chemistry I/Lab (4 credits)
CHEM 2310 General Chemistry II/Lab (4 credits)
CHEM 3300 Organic Chemistry I/Lab (4 credits)
CHEM 3310 Organic Chemistry II/Lab (4 credits)
PHYS 2350 General Physics I/Lab (4 credits)
PHYS 2360 General Physics II/Lab (4 credits)
32 credits

Pre-Dental Specialization

Dental School Prerequisites

BIOL 1500 Biology I/Lab (4 credits)
BIOL 1510 Biology II/Lab (4 credits)
CHEM 2300 General Chemistry I/Lab (4 credits)
CHEM 2310 General Chemistry II/Lab (4 credits)
CHEM 3300 Organic Chemistry I/Lab (4 credits)
CHEM 3310 Organic Chemistry II/Lab (4 credits)
PHYS 2350 General Physics I/Lab (4 credits)
PHYS 2360 General Physics II/Lab (4 credits)
32 credits

Pre-Optometry Specialization

Optometry School Prerequisites

BIOL 1500 Biology I/Lab (4 credits)
BIOL 1510 Biology II/Lab (4 credits)
CHEM 2300 General Chemistry I/Lab (4 credits)

CHEM 2310 General Chemistry II/Lab (4 credits)
CHEM 3200 Essentials of Organic Chemistry I/Lab (4 credits)
MATH 2100 Calculus I (4 credits)
PHYS 2350 General Physics I/Lab (4 credits)
PHYS 2360 General Physics II/Lab (4 credits)
Select 2 from the following:
BIOL 3312 Human Anatomy & Physiology/Lab (5 credits) or
both BIOL 3320 and 3330 Anatomy and Physiology I and II with Labs (8 credits)
BIOL 3400 Microbiology/Lab (4 credits)
BIOL 4450 Biochemistry/Lab (4 credits)
40-44 credits

Pre-Pharmacy Specialization

Pharmacy School Prerequisites

BIOL 1500 Biology I/Lab (4 credits)
BIOL 1510 Biology II/Lab (4 credits)
BIOL 3312 Human Anatomy and Physiology/Lab (5 credits) or
both BIOL 3320 and 3330 Anatomy and Physiology I and II/Labs (8 credits)
CHEM 2300 General Chemistry I/Lab (4 credits)
CHEM 2310 General Chemistry II/Lab (4 credits)
CHEM 3300 Organic Chemistry I/Lab (4 credits)
CHEM 3310 Organic Chemistry II/Lab (4 credits)
ECON 2010 Macroeconomics (3 credits)*
ECON 2020 Microeconomics (3 credits)*
MATH 2100 Calculus I (4 credits)
39-42 credits

* Refer to Huizenga School course descriptions

Pre-Physical Therapy Specialization

Physical Therapy Program Prerequisites

BIOL 1500 Biology I/Lab (4 credits)
BIOL 1510 Biology II/Lab (4 credits)
BIOL 3320 Anatomy & Physiology I/Lab (4 credits)
BIOL 3330 Anatomy & Physiology II/Lab (4 credits)
CHEM 2300 General Chemistry I/Lab (4 credits)
CHEM 2310 General Chemistry II/Lab (4 credits)
MATH 3020 Applied Statistics (3 credits)
PHYS 2350 General Physics I/Lab (4 credits)
PHYS 2360 General Physics II/Lab (4 credits)
PSYC 2350 Life-Span Human Development (3 credits)
38 credits

Pre-Physician Assistant Specialization

Physician Assistant Program Prerequisites

BIOL 1500 Biology I/Lab (4 credits)
BIOL 1510 Biology II/Lab (4 credits)
BIOL 3312 Human Anatomy & Physiology (5 credits) or
both BIOL 3320 and 3330 Anatomy and Physiology I and II/Labs (8 credits)
BIOL 3400 Microbiology/Lab (4 credits)
CHEM 2300 General Chemistry I/Lab (4 credits)
CHEM 2310 General Chemistry II/Lab (4 credits)
CHEM 3200 Essentials of Organic Chemistry/Lab (4 credits)
29-32 credits

Pre-Nursing Specialization

Nursing Program Prerequisites

BIOL 1400 Introductory Cell Biology (3 credits)
BIOL 2400 Applied Microbiology (3 credits)
BIOL 3312 Human Anatomy & Physiology/Lab (5 credits)
CHEM 1100 Fundamentals of Chemistry (3 credits)
COMP 1500 College Writing (3 credits)
Humanities (select any) (3 credits)
MATH 1040 Algebra for College Students (3 credits)
PSYC 1020 Introduction to Psychology (3 credits)
PSYC 2350 Life-Span Human Development (3 credits)
SOCL (select any) (3 credits)
32 Credits

Computer Information Systems Major

The computer information systems (CIS) major prepares the student for a career in the fields of business and information technology as an information systems specialist, Web developer, multimedia designer, or network specialist. Emphasis is placed on programming languages, data structures, distributed data processing, multimedia database systems, database management, networks and data communications, and information systems organization. The CIS curriculum is consistent with recommendations outlined by the Association for Computing Machinery (ACM); it provides a balance between fundamental computer information systems concepts and the application of those concepts from a future-oriented perspective.

Computer Information Systems Learning Outcomes

A successful computer information systems graduate is expected to

1. demonstrate understanding of the field of computer information systems, both as an academic discipline and as a profession within the context of society

2. demonstrate understanding of the theoretical foundations of the field of computer information systems

3. demonstrate knowledge of the essential elements of computer information systems

4. apply knowledge of computing and information systems to specific problems and produce solutions

5. demonstrate an appreciation for the ethical and societal issues associated with the computing field

6. demonstrate the capability for staying current and, more generally, for achieving ongoing self-education in the information systems discipline

7. use current programming languages, software development tools, software systems, database systems, multimedia systems, and commonplace computing platforms

Computer Information Systems Curriculum

All CIS students are encouraged to select minors, concentrations, or other special programs outside the CIS major.

CIS Major Prerequisites

MATH 2080 Applied Calculus (3 credits)
MATH 3020 Applied Statistics (3 credits)
Note: These two courses may fulfill the General Education six credits math requirements.
CIS Major Prerequisites 6 credits

CIS Major Required Courses

CSIS 1400 Discrete Mathematics (3 credits)
CSIS 1800 Introduction to Computer and Information Sciences (3 credits)
CSIS 1900 Computer Programming I (4 credits)
CSIS 2000 Introduction to Database Systems (3 credits)
CSIS 2410 Assemblers and Assembly Language Programming (4 credits)
CSIS 2950 Computer Programming II (4 credits)
CSIS 3020 Web Programming and Design (3 credits)
CSIS 3400 Data Structures (4 credits)
CSIS 3500 Networks and Data Communication (3 credits)
CSIS 3750 Software Engineering (4 credits)
CSIS 3800 Survey of Operating Systems (3 credits)
CSIS 4310 Distributed Data Processing (4 credits)
CSIS 4530 Database Management (3 credits)
CIS Major Required Courses 45 credits

CIS Major Electives

Select three:
CSIS 3010 Organization of the Computer Environment (3 credits)
CSIS 3200 Organization of Programming Language (3 credits)
CSIS 4650 Computer Graphics (3 credits)
CSIS 4840 Unix Operating System Environment (3 credits)
CSIS 4890 Special Topics in Computer Information Systems (3 credits)
CSIS 4900 Directed Project (3 credits)
CSIS 4950 Internship in Computer Science and Information Systems (1-12 credits)
TECH 2150 Introduction to Internet Resources (3 credits)
TECH 3000 Multimedia Design (3 credits)
TECH 4050 Business Data Communication (3 credits)
CIS Major Electives 9 credits

CIS Major Total 54 credits

Computer Science Major

The computer science (CS) major deals with the systematic study of algorithms and data structures. The CS curriculum is consistent with recommendations outlined by the Association for Computing Machinery (ACM) and emphasizes laboratory experience as a major component of courses. By integrating theory, abstraction, and design, the curriculum bridges the gap between hardware and software issues. The program provides students with an opportunity to gain in-depth, rigorous instruction in the following nine areas of computer science (as specified by the national ACM/IEEE Joint Curriculum Task Force): algorithms and data structures, architecture, artificial intelligence and robotics, database and information retrieval, human-computer communication, numerical and symbolic computation, operating systems, programming languages, and software methodology and engineering.

Computer Science Learning Outcomes

A successful computer science graduate is expected to

1. demonstrate understanding of the field of computing, both as an academic discipline and as a profession within the context of society

2. demonstrate understanding of the theoretical foundations of the field of computing

3. demonstrate knowledge of the essential elements of computer information systems and computer science

4. apply knowledge of computing and information systems to specific problems and produce solutions

5. demonstrate an appreciation for the ethical and societal issues associated with the computing field

6. demonstrate the capability for staying current and, more generally, for achieving ongoing self-education in the computing discipline

7. use current programming languages, software development tools, software systems, database systems, multimedia systems, and commonplace computing platforms

Computer Science Curriculum

All computer science students are encouraged to select minors, concentrations, or other special programs outside the computer science major.

Computer Science Major Prerequisites

MATH 2100 Calculus I (4 credits)
MATH 2200 Calculus II (4 credits)
MATH 3020 Applied Statistics (3 credits)
PHYS 2400 Physics I/Lab (4 credits)
PHYS 2500 Physics II/Lab (4 credits)
Note: These courses may fulfill the General Education six credits of math/science requirements.
Computer Science Major Prerequisites 19 credits

Computer Science Major Required Courses

CSIS 1400 Discrete Mathematics (3 credits)
CSIS 1800 Introduction to Computer and Information Sciences (3 credits)
CSIS 1900 Computer Programming I (4 credits)
CSIS 2410 Assemblers and Assembly Language Programming (4 credits)
CSIS 2950 Computer Programming II (4 credits)
CSIS 3400 Data Structure (4 credits)
CSIS 3500 Networks and Data Communication (3 credits)
CSIS 3750 Software Engineering (4 credits)

CSIS 3810 Operating Systems Concepts (3 credits)
CSIS 4050 Computer Architecture (3 credits)
CSIS 4600 Systems Programming (4 credits)
CSIS 4610 Design and Analysis of Algorithms (3 credits)
Computer Science Major Required Courses 42 credits

Computer Science Major Electives

Select four:
CSIS 3020 Web Programming and Design (3 credits)
CSIS 3060 Digital Design (3 credits)
CSIS 3110 Foundations of Computer Science (4 credits)
CSIS 3530 Artificial Intelligence (3 credits)
CSIS 3610 Numerical Analysis (3 credits)
CSIS 4310 Distributed Data Processing (3 credits)
CSIS 4350 Robotics (3 credits)
CSIS 4530 Database Management (3 credits)
CSIS 4650 Computer Graphics (3 credits)
CSIS 4800 Introduction to Compilers and Interpreters (3 credits)
CSIS 4840 Unix Operating System Environment (3 credits)
CSIS 4880 Special Topics in Computer Science (3 credits)
CSIS 4900 Direct Project (3 credits)
CSIS 4950 Internship in Computer Science and Information Systems (1-12 credits)
MATH 4500 Probability and Statistics (3 credits)
Computer Science Major Electives 12 credits

Computer Science Major Total 54 credits

Environmental Science/Studies Major

Students who wish to major in environmental science/studies must select one of two degree tracks. The program is designed so students will share a common set of courses in their freshman year to ensure that all students gain an overview of the subject. Upon entering their sophomore year, students will be required to select a specific program of study. Both programs are designed to be completed within a four-year period. A practicum/internship in the eighth semester is required of all students.

Track One: Environmental Science
An earth systems foundation providing comprehensive knowledge of Earth's physical, chemical, and biotic systems. Students may qualify to enroll in a dual admission program with NSU's Oceanographic Center to earn a master's degree in marine environmental science and should refer to the "Dual Admission Program" section of this catalog for further information and admission requirements.

Track Two: Environmental Studies
The Environmental Studies track emphasizes both science and society. It is a program with an emphasis on social issues and how humanity impacts the environment. This track examines the applied side of environmental science and, specifically, incorporates five “studies” areas: sustainability, marine biology, ecotourism, public health, and natural history.

In both tracks, students must complete an internship of six credits and a three credit Special Topics field course.

Environmental Science/Studies Learning Outcomes

A successful environmental sciences/studies graduate is expected to

1. demonstrate a working knowledge of the scientific method so as to identify, evaluate, and recommend solutions to environmental problems

2. communicate concisely and clearly through public speaking, the publishing of written articles, the construction and maintenance of a website, and photographic documentation either through photography or videography

3. formulate strategies to maximize the responsible use of technology as it applies to issues within environmental science

4. identify legal issues relating to environmental science

5. apply concepts of environmental science to lifetime vocational aspirations

6. demonstrate a behavior of environmental awareness and interest in environmental issues of South Florida

7. apply knowledge from the fields of biology, botany, and physical sciences to environmental science

8. identify the principles of environmental ethics

9. Identify concepts relating to the future of environmentalism

Environmental Science/Studies Curriculum

Environmental Science/Studies Major Required Courses

ENVS 1100 Environmental Science I (3 credits)
ENVS 1200 Environmental Science II (3 credits)
ENVS 3100 Environmental Issues (3 credits)
ENVS 4300 Industrial Ecology (3 credits)
GEOG 2050 Survey of Geography (3 credits)
GEOG 2260 Geography of Natural Resources (3 credits)
LGST 3350 Environmental Law & Policy (3 credits)
PHIL 3360 Environmental Ethics (3 credits)
24 credits

Environmental Science/Studies Field Course Elective

Special Topics course (3 credits)
3 credits

Environmental Science/Studies Practicum

ENVS 4950 Internships in Environmental Science/Studies (two 8 week/3 credit units)
6 credits

Environmental Science/Studies Major Tracks

Select one:

Track One: Environmental Science
BIOL 3200 General Ecology w/Lab (4 credits)
BIOL 3400 Microbiology/Lab (4 credits)
CHEM 2300 Chemistry I w/Lab (4 credits)
CHEM 2310 Chemistry II w/Lab (4 credits)
CHEM 3200 Essentials of Organic Chemistry (4 credits)
CHEM 3500 Environmental Chemistry (3 credits)
23 credits

Track Two: Environmental Studies
BIOL 1100 Concepts and Connections in Biology (3 credits)
or
BIOL 1400 Introduction to Cellular Biology (3 credits)
BIOL 2250 Natural History of John Lloyd Park (3 credits)
CHEM 1500 Intro to Environmental Chemistry (3 credits)
ENVS 3020 Environmental Health (3 credits)
GEOG 3000 Geography of Ecotourism (3 credits)
MBIO 2400 Marine Biology (3 credits)
18 credits

Environmental Science/Studies
Major Total 56/51 Credits

Marine Biology Major

The marine biology major is designed to prepare students for a career or further graduate study. The curriculum consists of a set of core courses in physical and natural science, leading to a degree that is designed as a solid basis for entering the field of marine biology, as well as preparation for further graduate study in this area. A dual admission combined bachelor's-master's program with the Oceanographic Center is available for select, qualified students. Information on this program can be obtained from the undergraduate Office of Admissions.

Marine Biology Learning Outcomes

A successful marine biology graduate is expected to

1. understand basic scientific principles and methods

2. understand basic biology that incorporates more specific knowledge of marine organisms and habitats

3. appreciate the work of scientists who have contributed to marine biology and oceanography

4. demonstrate knowledge about the global variety of marine community types and their relationships with each other and terrestrial systems

5. demonstrate a detailed understanding of local marine flora and fauna and community types

6. demonstrate a working understanding of the wide variety of marine organisms from the phylogenetic, physiological, zoogeographical and ecological perspectives

7. understand anthropogenic threats to marine species diversity and marine ecosystem structure

8. understand the physical and chemical structure of the world's oceans

9. demonstrate skills in statistical analysis and interpretation, specifically pertaining to science and marine biology

10. demonstrate technical skills related to the use of computer programs such as MS Word, Excel, and Powerpoint

11. demonstrate oral presentation skills

Marine Biology Curriculum

Marine Biology Major Required Courses

BIOL 3200 General Ecology/Lab (4 credits)
BIOL 3300 Invertebrate Zoology/Lab (4 credits)
BIOL 3600 Genetics/Lab (4 credits)
CHEM 2300 General Chemistry I/Lab (4 credits)
CHEM 2310 General Chemistry II/Lab (4 credits)
MBIO 2400 Marine Biology (3 credits)
MBIO 2500 Oceanography/Lab (4 credits)
PHYS 2350 General Physics I/Lab (4 credits)
PHYS 2360 General Physics II/Lab (4 credits)
35 credits

Marine Biology Major Grouped Electives
Select 6-8 credits from Group I, 6 credits from Group II, and 6 credits from Group III:

Group I: Classroom based

Select 6-8 credits:
BIOL 2250 The Natural History of John U. Lloyd State Park (3 credits)
BIOL 3320 Anatomy and Physiology I/Lab (4 credits)
BIOL 3330 Anatomy and Physiology II/Lab (4 credits)
BIOL 3400 Microbiology/Lab (4 credits)
BIOL 4340 Cellular & Molecular Biology (3 credits)
BIOL 4450 Biochemistry/Lab (4 credits)
CHEM 3200 Essentials of Organic Chemistry/Lab (4 credits)
SCIE 3210 History of Science (3 credits)
TECH/CSIS (3 credits)
6-8 credits

Group II: Required field component

Select 6 credits:
MBIO 3350 Gulf Stream Ecology (3 credits)
MBIO 3650 Marine Vertebrates (3 credits)
MBIO 3750 Coral Reefs and Coral Communities (3 credits)
MBIO 3900 Special Topics in Marine Science (3 credits)
SCIE 4490 Research Methods (3 credits)
6 credits

Group III: Lab or field based

Select 6 credits:
BIOL 2950 Field Studies in John U. Lloyd State Park (3 credits)
MBIO 2910 Introductory Marine Biology Field Topics (1-3 credits)
MBIO 4210 Ecology of the Great Barrier Reef (3 credits)
MBIO 4230 Belize Reef Ecology (3 credits)
MBIO 4250 Ecology of the Galapagos Islands (3 credits)
MBIO 4350 The Biology and Ecology of the Manatee (3 credits)
MBIO 4910 Marine Biology Field Topics (1-3 credits)
SCIE 4990 Independent Study in Science (1-12 credits)
6 credits

Marine Biology Major Total 53-55 Credits

Minors in Math, Science, and Technology

Applied Statistics Minor

Statistical methods are widely used in science, social and behavioral sciences, business, health professions, and industry. The applied statistics minor is appropriate for all NSU students with interests in experimental design, data analysis, or statistical modeling. The minor is designed to enable a student to properly design studies and analyze the resulting data, and to evaluate statistical methods used in marketing research, biological models, social studies, or their field of study. The applied statistics minor consists of 15 credit hours at the 3000 level or above.

Applied Statistics Minor Required Courses

MATH 3030 Applied Statistics II (3 credits)
MATH 3300 Introductory Linear Algebra (3 credits)
MATH 4020 Applied Regression Analysis (3 credits)
MATH 4040 Applied Multivariate Statistical Analysis (3 credits)
MATH 4080 Introduction to Statistical Computations (3 credits)

Applied Statistics Minor Total 15 credits

Chemistry Minor

The fundamental role that chemistry plays in medicine, pharmacy, and the environment can be further explored in the chemistry minor. Basic, clinical, and field research in these disciplines all involve the application of chemical principles and techniques. The minor offers advanced courses in chemistry expanding on the base provided by general and organic chemistry. Cross disciplinary in its approach, the chemistry minor complements the student's major area of study.

Chemistry Minor Required Courses

Select 15 credits from the following courses:

BIOL 4450 Biochemistry/Lab (4 credits)
CHEM 3200 Essentials of Organic Chemistry (4 credits)
CHEM 3250 Bio-organic Chemistry/Lab (4 credits)
CHEM 3300 Organic Chemistry I/Lab (4 credits)
CHEM 3310 Organic Chemistry II/Lab (4 credits)
CHEM 3500 Environmental Chemistry (3 credits)
CHEM 3600 Geochemistry (3 credits)
CHEM 4100 Chemical Analysis (3 credits)
CHEM 4200 Plant Drug Analysis (3 credits)
CHEM 4300 Clinical Chemistry (3 credits)
CHEM 4900 Special Topics in Chemistry (1-3 credits)
CHEM 4990 Independent Study in Chemistry (1-3 credits)

Chemistry Minor Total 15 credits

Computer Information Systems Minor

The computer information systems minor is intended for students in any major who wish to acquire more knowledge in programming, database systems, Web programming, and networking.

Computer Information Systems Minor Required Courses

CSIS 1900 Computer Programming I (4 credits)
CSIS 2000 Introduction to Database Systems (3 credits)
CSIS 2950 Computer Programming II (4 credits)
CSIS 3020 Web Programming and Design (3 credits)
CSIS 3500 Networks and Data Communication (3 credits)

Computer Information Systems Minor Total 17 credits

Information Technology Minor

The information technology minor is intended for students in any major who wish to achieve specialization and knowledge in information technology. The tech courses in the minor are designed for students to tailor content and focus activities to their own area of study or interest. Students must complete 18 hours in this curriculum: twelve hours of required technology courses, three hours selected from the menu of approved courses, and three hours in a directed technology project in the area of their choice. The directed research course is taken last and involves original research and/or technology implementation. A generic template appropriate for TECH 4900 in any topic area is available from the division director.

Information Technology Minor Required Courses

TECH 1110 Technology in the Information Age (or competency) (3 credits)
TECH 2000 Computer Technology: The Impact and Implications (3 credits)
TECH 2150 Introduction to Internet Resources (3 credits)
TECH 3000 Multimedia Design (3 credits)
12 credits

Information Technology Minor Elective

Select one course from the following menu:
BUSS 3020 Business Communications (3 credits)*
CSIS 1900 Computer Programming I (4 credits)
CSIS 2950 Computer Programming II (4 credits)
CSIS 3010 Organization of the Computer Environment (3 credits)
CSIS 3020 Web Programming and Design (3 credits)
CSIS 4530 Database Management (3 credits)
EDUC 4320 Integrating Instructional Technology in the Classroom (3 credits)**
EECB 4402 Instructional Technology or the Learning Environment (3 credits)**
MGMT 3660 Management Information Systems (3 credits)*

PHIL 3010 Ethical Issues in Communications (3 credits)
TECH 2130 Business Applications of Microcomputers (3 credits)
TECH 3520 Emerging Technology in Education (3 credits)
TECH 3530 Multimedia Technology for Educators (3 credits)
TECH 4050 Business Data Communication (3 credits)
TECH 4510 Utilizing Technology to Develop Curriculum (3 credits)
3 credits

Information Technology Minor Directed Project

CSIS 4900 Directed Project in Computer Science (3-8 credits)
TECH 4900 Directed Project in Technology (1-12 credits)
3 credits

Information Technology Minor Total 18 credits

* Refer to Huizenga School course descriptions
** Refer to Fischler School course descriptions

Marine Biology Minor

The marine biology minor focuses on the life processes of marine organisms and is intended for students interested in the field as a complement to their major curriculum. Biology majors can take the marine biology minor with no additional prerequisites outside of those required for the biology major. Students in other majors who have taken the appropriate prerequisites may also pursue this minor. This minor is available to PALS (day) students only.

Marine Biology Minor Required Courses

MBIO 2400 Marine Biology (3 credits)
MBIO 2500 Oceanography/Lab (4 credits)
7 credits

Marine Biology Minor Electives

Select 11 credits from the following:
BIOL 3200 General Ecology/Lab (4 credits)
BIOL 3300 Invertebrate Zoology/Lab (4 credits)
MBIO 3350 Gulf Stream Ecology (3 credits)
MBIO 3650 Marine Vertebrates (3 credits)
MBIO 3750 Coral Reefs and Coral Communities (3 credits)
MBIO 3900 Special Topics in Marine Science (3 credits)
MBIO 4210 Ecology of the Great Barrier Reef (3 credits)
MBIO 4230 Belize Reef Ecology (3 credits)
MBIO 4250 Ecology of the Galapagos Islands (3 credits)
MBIO 4350 The Biology and Ecology of the Manatee (3 credits)
MBIO 4910 Marine Biology Field Topics (1-3 credits)
SCIE 4490 Research Methods (3 credits)
11 credits

Marine Biology Minor Total 18 credits

Marine Ecology Minor

The marine ecology minor focuses on the interactions among marine organisms and the relationships between these organisms and their environment. This minor is intended for marine biology majors who want more specific training in marine ecological science. Students in other majors who meet the prerequisites may also pursue this minor. This minor is available to PALS (day) students only.

Marine Ecology Minor Required Courses

Select 15 credits from the following courses:
MBIO 2910 Intro. Marine Biology Field Topics (1-3 credits)
MBIO 3350 Gulf Stream Ecology (3 credits)
MBIO 3750 Coral Reefs and Coral Communities (3 credits)
MBIO 4210 Ecology of the Great Barrier Reef (3 credits)
MBIO 4230 Belize Reef Ecology (3 credits)
MBIO 4250 Ecology of the Galapagos Islands (3 credits)
MBIO 4350 The Biology and Ecology of the Manatee (3 credits)
MBIO 4910 Marine Biology Field Topics (1-3 credits)

Marine Ecology Minor Total 15 credits

Marine Microbiology Minor

The marine microbiology minor is intended for the marine biology major who wants specialized training in this field. The science of microorganisms in the marine environment has become increasingly valuable in biotechnology and the development of pharmaceutical products. Students in other majors who meet the prerequisites may also pursue this minor. The minor is available to PALS (day) students only.

Marine Microbiology Minor Required Courses

Select 15 credits from the following courses:
BIOL 3400 Microbiology/Lab (4 credits)
BIOL 4340 Cell and Molecular Biology (3 credits)
BIOL 4450 Biochemistry/Lab (4 credits)
CHEM 3200 Essentials of Organic Chemistry/Lab (4 credits)
MBIO 2910 Intro. Marine Biology Field Topics (1-3 credits)
MBIO 4910 Marine Biology Field Topics (1-3 credits)

Marine Microbiology Minor Total 15 credits

Mathematics Minor

The minor in mathematics is open to all students. Students with majors in the sciences are particularly encouraged to pursue the minor.

Mathematics Minor Required Courses

MATH 2100 Calculus I (4 credits)
MATH 2200 Calculus II (4 credits)
MATH 3100 Differential Equations (3 credits)
MATH 3300 Introductory Linear Algebra (3 credits)
MATH 3350 Number Theory (3 credits)

Mathematics Minor Total 17 credits

Physics Minor

The physics minor is intended to provide these students with a basic background in physics and related mathematical methods. A knowledge of physics is useful for students in fields that range from biology and medicine to computer science, as well as being essential for education majors who intend to teach physical sciences in high school. All students in the minor must take a core of required courses in mechanics, electromagnetism, and modern physics. The remainder of the minor then consists of a set of

additional physics and mathematics courses chosen by the student, so that the minor can be tailored to the needs and interests of the individual student. The physics minor consists of 18 credit hours at the 3000 level or above. Only three hours may be applied to the major. The minor may include up to 3 hours of independent study, up to 3 hours of special topics, and up to 3 hours of mathematics.

Physics Minor Requirements

PHYS 3500 Introduction to Mechanics (3 credits)
PHYS 3600 Introduction to Electromagnetism (3 credits)
PHYS 3700 Modern Physics I (3 credits)
PHYS 3750 Modern Physics II (3 credits)
12 credits

Physics Minor Electives

Select two:
PHYS 3100 Introduction to Biophysics (3 credits)
PHYS 3300 Fundamentals of Optics (3 credits)
PHYS 3800 Intro. to Elementary Particle Physics (3 credits)
PHYS 4900 Special Topics in Physics (1-12 credits)
PHYS 4990 Independent Study (1-12 credits)
MATH 3100 Differential Equations (3 credits)
MATH 3300 Intro. Linear Algebra (3 credits)
MATH 4050 Advanced Calculus I (3 credits)
MATH 4060 Advanced Calculus II (3 credits)
6 credits

Physics Minor Total 18 credits

Public Health Minor

The public health minor focuses on maintaining a healthy society through the control of disease, education about health and disease prevention, and organized efforts to preserve healthy environments. This minor is intended for students in the environmental science/studies major as well as for students in other majors who want to learn about the public health field. This minor is available to both PALS (day) and Career (evening) students.

Public Health Minor Required Courses

BIOL 2400 Applied Microbiology (3 credits)
ENVS 3101 Introduction to Public Health (3 credits)
ENVS 3201 Environment, Culture, Ethnicity, and Health (3 credits)
ENVS 4002 Health Promotion and Disease Prevention (3 credits)
ENVS 4210 Environmental Epidemiology (3 credits)
ENVS 4310 Environmental Health (3 credits)

Public Health Minor Total 18 credits

Certificates in Math, Science, and Technology

The Division of Math, Science, and Technology offers certificate programs to prepare students for employment in the field of computer information systems. The CIS certificate programs also provide supplemental training for computer science professionals and for students in any major who desire expertise in computer information systems. To earn a certificate, a student must achieve a C or higher on all coursework in that certification. The number of certification credits varies. All courses are available online. The following three computer information systems certificate programs are offered:

Database Management Systems Certificate

The database management systems certificate program prepares students for employment as database developers and administrators. It also provides supplemental training for computer science professionals and for students in any major who desire expertise in database systems. Topics covered include programming, database systems, data structures, distributed data processing, and database management. The certificate requires 28 credits to complete. All courses are available online.

Database Management Systems Certificate
Required Courses

CSIS 1400 Discrete Mathematics (3 credits)
CSIS 1900 Computer Programming I (4 credits)
CSIS 2000 Intro. Database Systems (3 credits)
CSIS 2950 Computer Programming II (4 credits)
CSIS 3020 Web Programming and Design (3 credits)
CSIS 3400 Data Structures (4 credits)
CSIS 4310 Distributed Data Processing (4 credits)
CSIS 4530 Database Management (3 credits)

Database Management Systems Certificate
Total 28 credits

Operating Systems Certificate

The operating systems certificate program prepares students for employment as system analysts, information systems specialists, computer information managers, and system programmers. It also provides supplemental training for computer science professionals and for students in any major who desire expertise in computer operating systems. Topics covered include programming, database systems, data structures, networking, and operating systems. The certificate requires 27 credits. All courses are available online.

Operating Systems Certificate
Required Courses

CSIS 1400 Discrete Mathematics (3 credits)
CSIS 1900 Computer Programming I (4 credits)
CSIS 2000 Intro. Database Systems (3 credits)
CSIS 2950 Computer Programming II (4 credits)
CSIS 3400 Data Structures (4 credits)
CSIS 3500 Networks & Data Communication (3 credits)
CSIS 3800 Survey of Operating Systems (3 credits)
CSIS 4840 Unix Operating System Environ. (3 credits)

Operating Systems Certificate
Total 27 credits

Web Programming and Design Certificate

The web programming and design certificate program prepares students for employment as Web programmers, website developers, Web administrators, Web masters, and Web architects. It also provides supplemental training for computer science professionals and for students in other majors who desire expertise in Web programming and design. Topics covered include programming, database systems, Web programming, networking, multimedia, and computer graphics. The certificate requires 30 credits. All courses are available online.

Web Programming and Design Certificate
Required Courses

CSIS 1400 Discrete Mathematics (3 credits)
CSIS 1900 Computer Programming I (4 credits)
CSIS 2000 Intro. Database Systems (3 credits)
CSIS 2950 Computer Programming II (4 credits)
CSIS 3020 Web Programming and Design (3 credits)
CSIS 3400 Data Structures (4 credits)
CSIS 4650 Computer Graphics (3 credits)
TECH 2150 Intro. to Internet Resources (3 credits)
TECH 3000 Multimedia Design (3 credits)

Web Programming and Design Certificate
Total 30 credits

Division of Social and Behavioral Sciences

The Division of Social and Behavioral Sciences offers the bachelor of science degree in criminal justice, paralegal studies, and psychology. The division also administers psychology and substance abuse studies concentrations for the college's interdisciplinary major in applied professional studies.

Majors in Social and Behavioral Sciences

Criminal Justice Major

Criminal justice is the study of the legal rules of court procedure, police history and procedure, criminology, and the use of corrections as a means of rehabilitating convicted criminals. The study of criminal justice can give the undergraduate student a richer understanding of the structure and process of how laws, police, courts, and corrections all interact to work as a collective whole.

Criminal Justice Learning Outcomes

A successful criminal justice graduate is expected to

1. Communicate effectively
   a. select appropriate writing styles to articulate ideas, instructions, and information clearly, accurately, and comprehensively
   b. utilize correct structure, organization, grammar, and vocabulary in written communication
   c. verbally convey ideas, instructions, and information clearly, understandably, and professionally

2. Analyze complex material and
   a. identify the elements of a crime and the necessary supporting evidence
   b. demonstrate the relationship between statutory and constitutional law and its practical application
   c. evaluate information in a manner that leads to well founded, reasonable conclusions

3. Comprehend the context within which legal issues arise and the implications of legal decisions so as to
   a. demonstrate an understanding of the legal and judicial system, its structure, and functions
   b. demonstrate an understanding of constitutional principles and their implications in law enforcement functions
   c. demonstrate an understanding of liability, its implications for law enforcement functions, human resources, risk management, and administrative decisions

Criminal Justice Curriculum

Criminal Justice Major Required Courses

ADRB 2000 Introduction to Dispute Resolution (3 credits)
CRJU 1100 Introduction to Criminal Justice (3 credits)
CRJU 1200 Criminal Law (3 credits)
CRJU 2000 Constitutional Issues (3 credits)
CRJU 2100 Policing (3 credits)
CRJU 3100 Juvenile Delinquency (3 credits)
CRJU 3300 Corrections in America (3 credits)
CRJU 4000 Victimology (3 credits)
CRJU 4300 Criminology (3 credits)
PSYC 1020 Introduction to Psychology (3 credits)
PSYC 2450 Forensic Psychology (3 credits)
PSYC 3600 Criminal Justice and Substance Abuse (3 credits)
PSYC 3760 Multi Cultural Psychology (3 credits)
39 credits

Criminal Justice Major Electives

Choose three:
CRJU 4950 Internship in Criminal Justice (1-3 credits)
PSYC 2330 Interpersonal Communication (3 credits)
PSYC 3300 Behavior Modification (3 credits)
SPCH 1010 Public Communication (3 credits)
9 credits

Criminal Justice Major Total 48 credits

Paralegal Studies Major

The bachelor of science degree in paralegal studies is approved by the American Bar Association. A paralegal, as defined by the American Bar Association, is "a person qualified by education, training, or work experience, who is employed or retained by a lawyer, law office, corporation, governmental agency or other entity, and who performs specifically delegated substantive legal work for which a lawyer is responsible." The goal of the program is to prepare students for entry-level paralegal positions in the common areas of law practice. Paralegals are nonlawyers, and therefore, are prohibited from the unauthorized practice of law. This program trains paralegals, and is not a program for training lawyers or legal administrators. Students pursuing a bachelor of science degree in paralegal studies are required to submit a paralegal portfolio at an exit interview with the program coordinator prior to degree conferral.

Paralegal Studies Program Objectives

The objectives of the Paralegal Studies Program are to

1. provide students with a broad-based education in both liberal arts and paralegal studies

2. provide paralegal courses that enable students to obtain substantive legal knowledge, develop analytical skills, and apply the knowledge they have learned to tasks routinely performed by paralegals

3. be responsive in course offerings to the needs of paralegals and attorneys

4. ensure that students are familiar with the ethical guidelines for paralegals

5. provide students with the opportunity to utilize software that is used in most offices dealing with law-related issues

6. familiarize students with the paralegal profession and the opportunities that are available to them upon completion of the program

Paralegal Studies Learning Outcomes

A successful paralegal studies graduate is expected to

1. explain the basic theories, doctrines, concepts, and associated principles that comprise the knowledge base of law, with specific emphasis on torts, contracts, wills and trusts, civil procedure, litigation, family law, business organizations, real estate, and criminal law

2. use critical-thinking skills to analyze and evaluate relevant facts and supporting material

3. use communication and interpersonal skills to effectively interact with clients, attorneys, judges, court personnel, and coworkers

4. categorize, organize, prioritize, and evaluate complex factual and legal issues

5. use legal-research skills to research and find statutes, cases, and other primary source material, and to draft legal documents

Paralegal Studies Curriculum

Paralegal studies majors may take a maximum of 6 major elective credits in Special Topics courses and a maximum of 6 major elective credits in internship courses. LEGS courses offered online require proctored exams at approved sites.

Paralegal Studies Major Required Courses

LEGS 1150 Introduction to Law and the Legal Profession (3 credits)
LEGS 2100 Legal Research and Writing I (3 credits)
LEGS 3050 Criminal Law and Procedure (3 credits)
LEGS 3210 Computer Applications for the Legal Profession (3 credits)
LEGS 3260 Real Estate Practice I (3 credits)
LEGS 3300 Torts and Civil Litigation (3 credits)
LEGS 3360 Wills, Trusts and Estates I (3 credits)
LEGS 3400 Business Relations and Organizations (3 credits)
LEGS 3550 Family Law (3 credits)
LEGS 4110 Legal Research and Writing II (3 credits)
LEGS 4270 Real Estate Practice II (3 credits)
LEGS 4310 Advanced Litigation (3 credits)
LEGS 4370 Wills, Trusts and Estates II (3 credits)
LEGS 4410 Corporate Regulation and Change (3 credits)
SPCH 1010 Public Communication (3 credits)
OR
SPCH 2020 Argument and Debate (3 credits)
45 credits

Paralegal Studies Major Electives

Select three courses:
LEGS 4060 Debtor and Creditor Relations (3 credits)
LEGS 4470 Emerging Technologies and the Legal Profession (3 credits)
LEGS 4510 Specialty Course (3 credits)
LEGS 4560 Elder Law (3 credits)
LEGS 4950 Internship in Paralegal Studies (3 credits)
9 credits

Paralegal Studies Major Total 54 credits

Psychology Major

The psychology major provides students with a solid grounding in the knowledge base of psychology. It encourages students to integrate and apply knowledge, and allows flexibility in course selection to help students meet their career goals. The major emphasizes scientific research and application to significant areas of human activities.

Psychology Major Learning Outcomes

A successful psychology graduate is expected to

1. Demonstrate knowledge of basic theories and associated principles that contribute to the knowledge base of psychology. These theories and associated principles fall into the areas of
    a. personality
    b. human development
    c. learning
    d. cognition
    e. group process and social influence
    f. biological influences on human functioning
    g. abnormal behavior and its treatment

2. Recognize and explain the scientific methods used to generate information in the field

3. Locate information in the field and critically evaluate this information

4. Apply basic theories and principles to significant areas of human activities

5. Conduct original research work and/or beginning-level human service work

Psychology Major Curriculum

Students planning to work in the mental health field are encouraged to take Abnormal Psychology, a counseling course, Behavior Modification, psychological assessments, and at least one substance abuse studies course. Students who plan to enter a graduate program should take the GRE during their junior year. Students should take Statistics, Research Methods, and Practicum in Psychological Research in consecutive order. Further, it is recommended that students planning to attend a doctoral program should take the Advanced Practicum, Experimental Psychology, and as many of the foundation courses as possible. Students who are hoping to become substance abuse counselors should take the substance abuse minor courses.

Students majoring in psychology may also qualify for entrance into NSU's master's in occupational therapy program. Students interested in this career objective should work closely with their academic adviser to ensure that proper prerequisites are met.

Students not sure about which specialty they are most interested in should take as many of the foundation courses as possible at the start of their program of studies. Division advisers will help students design individual courses of study that will help them meet their career goals.

Psychology Major Required Courses

MATH 3030 Applied Statistics II (3 credits)
PSYC 1020 Intro to Psychology (3 credits)
PSYC 2330 Interpersonal Communication (3 credits)
PSYC 3000 Research Methods (3 credits)
PSYC 3710 History and Theories of Psychology (3 credits)
PSYC 3760 Multicultural Issues in Psyc (3 credits)
Select one:
PSYC 4800 Practicum in Psychological Research (3 credits) or PSYC 4810 Practicum in Community Psychology (3 credits)
Select one:
PSYC 4840 Advanced Practicum (3 credits) or
PSYC 4880 Senior Seminar (3 credits)
Select one:
PHIL 2000 Moral Issues (3 credits) or PHIL 3010 Ethical Issues in Communication or PHIL 3180 Biomedical Ethics (3 credits) or PHIL 3200 Ethics and Sport (3 credits) or PHIL 3360 Environmental Ethics (3 credits)
TECH 1110 Technology in the Info Age (3 credits)
30 credits

Psychology Major Foundation Electives

Select 4 of the following foundation courses:
PSYC 2350 Life-Span Human Development (3 credits)
PSYC 2380 Child & Adolescent Development (3 credits)
PSYC 3160 Social Psychology (3 credits)
PSYC 3210 Personality (3 credits)
PSYC 3260 Abnormal Psychology (3 credits)
PSYC 3510 Human Learning and Cognition (3 credits)
PSYC 4600 Biological Bases of Behavior (3 credits)
12 credits

Other Psychology Major Electives
12 credits

Psychology Major Total 54 credits

Minors in Social and Behavioral Sciences

Counseling Minor

The counseling minor provides a thorough overview of the counseling and psychotherapy fields. The minor is skills-based, experiential, and theoretical. Courses focus on both theory and application to provide a preliminary understanding of the field; an exploration of individual, group, and family therapies; and incorporation of gender and cultural issues. While not the sole component in preparing students to be counselors, the counseling minor is appropriate for students planning to enter mental health fields at the bachelor's, master's, or doctoral levels and for students whose careers will bring them into contact with mental health professionals.

Counseling Minor Required Course

PSYC 2000 Introduction to the Counseling Profession (3 credits)
3 credits

Counseling Minor Electives

Choose five of the following courses:

PSYC 3450 Foundations of Therapeutic Interviewing (3 credits)
PSYC 3750 Gender and Counseling (3 credits)
PSYC 3800 Current Psychotherapies (3 credits)
PSYC 3950 Brief Therapy (3 credits)
PSYC 4150 Group Counseling in Substance Abuse (3 credits)
PSYC 4200 Cross-Cultural Counseling (3 credits)
PSYC 4810 Community Practicum (at a counseling site) (3 credits)
SOCL 3130 Family Systems (3 credits)
15 credits

Counseling Minor Total 18 credits

Criminal Justice Minor

The criminal justice minor is designed to provide students with an overview of law enforcement policies and procedures. This course of study includes coverage of criminal procedure and the rights of the accused, civil rights of prisoners, rights and responsibilities of law enforcement officers, and the administration of criminal justice organizations. This minor is recommended for students interested in criminology, criminal defense or prosecution, or other law enforcement-related fields. The criminal justice minor provides perspectives of the criminal justice system from the psychological, legal, law enforcement, and correctional perspectives. Some minor courses are offered only in the evening or on weekends. Students may not minor in both criminal justice and forensic psychology.

Criminal Justice Minor Required Courses

CRJU 1100 Introduction to Criminal Justice (3 credits)
CRJU 1200 Criminal Law (3 credits)
CRJU 2000 Constitutional Issues (3 credits)
CRJU 3300 Corrections in America (3 credits)
12 credits

Criminal Justice Minor Electives

Choose two:
CRJU 2100 Policing (3 credits)
CRJU 3100 Juvenile Delinquency (3 credits)
PSYC 2450 Forensic Psychology (3 credits)
PSYC 3600 Criminal Justice and Substance Abuse (3 credits)
PSYC 3760 Multicultural Issues in Psychology (3 credits)
6 credits

Criminal Justice Minor Total 18 credits

Family Studies Minor

The family studies minor examines the North American family and its alternatives from a multicultural, life-span perspective. It is designed to expose and engage students in a range of topics related to family function and structure in contemporary society. The minor explores families as social systems and various relational dynamics that function within families, including diversity and gender. Courses explore the internal dynamics of family functioning while contextualizing family processes in the larger field of social interactions and practices. This minor provides a framework for the application of theory and knowledge for students considering working in a variety of public and private social services agencies serving families.

Family Studies Minor Required Courses

Select 18 credits from the following courses:
SOCL 2130 Family Relationships (3 credits)
SOCL 2300 Family Communication (3 credits)
SOCL 3110 Gender, Sexuality, and the Family (3 credits)
SOCL 3130 Family Systems (3 credits)
PSYC 3550 Substance Abuse & the Family (3 credits)
SOCL 3700 Ethnic Family Diversity (3 credits)
SOCL 3800 Family Life Cycle (3 credits)
SOCL 4200 Violence in the Family (3 credits)

Family Studies Minor Total 18 credits

Forensic Psychology Minor

The forensic psychology minor prepares students for work involving interactions between law and psychology. The minor also prepares students for advanced training in forensic psychology and related fields. Students will learn the fundamental principles of litigation, including methods of alternative dispute resolution; legal standards related to working as a mental health professional; legal standards related to testifying as an expert witness; methods of forensic evaluation; strategies for testifying as an expert; methods of screening police officer applicants; methods of training and counseling law enforcement officers; methods of assisting attorneys in selecting jurors and in evaluating trial strategies; evaluation and treatment procedures of correctional mental health workers; methods of community corrections, including the roles of probation and parole officers; methods of crime victim assistance programs; and legal incompetency, civil commitment, dependency and neglect, mental health malpractice, and child custody determinations. Some minor courses are offered only in the evening or on weekends. Students may not minor in both criminal justice and forensic psychology.

Forensics Psychology Minor Required Course

PSYC 2450 Forensic Psychology (3 credits)
3 credits

Forensic Psychology Minor Electives

Select five:
ADRB 2000 Introduction to Dispute Resolution (3 credits)
CRJU 1200 Criminal Law (3 credits)
CRJU 2000 Constitutional Issues in the Criminal Justice System (3 credits)
CRJU 3300 Corrections in America (3 credits)
PSYC 3260 Abnormal Psychology (3 credits)
PSYC 3600 Criminal Justice and Substance Abuse (3 credits)
PSYC 4810 Practicum in Community Psychology (3 credits)
(Note: only criminal justice sites qualify)
15 credits

Forensic Psychology Minor Total 18 credits

Paralegal Studies Minor

The paralegal studies minor is designed to expose students to the most common areas of law encountered in a legal and business context. The minor is not designed to encompass the entire range of skills needed in the paralegal profession. It is not a program for training paralegals and is not approved by the American Bar Association. The minor is a wonderful enhancement for those students pursuing other law-related careers or business careers and who desire to understand the federal and state legal systems to broaden their legal knowledge and skills. LEGS courses offered online require proctored exams at approved sites.

Paralegal Studies Minor Required Courses

LEGS 1150 Introduction to Law and the Legal Profession (3 credits)
LEGS 2100 Legal Research and Writing I (3 credits)
6 credits

Paralegal Studies Minor Electives
Select four:
LEGS 3050 Criminal Law and Procedure (3 credits)
LEGS 3260 Real Estate Practice I (3 credits)
LEGS 3300 Torts and Civil Litigation (3 credits)
LEGS 3360 Wills, Trusts and Estates I (3 credits)
LEGS 3400 Business Relations and Organizations (3 credits)
LEGS 3550 Family Law (3 credits)
12 credits

Paralegal Studies Minor Total 18 credits

Psychology Minor

The psychology minor is intended to provide students with a solid grounding in the knowledge base of psychology and the opportunity to explore areas of psychology that most closely correspond to their interests and goals. At least three of the six psychology courses must be 3000- or 4000-level courses.

Psychology Minor Required Courses

PSYC 1020 Introduction to Psychology (3 credits)
PSYC 2330 Interpersonal Communication (3 credits)
6 credits

Psychology Minor Electives

Select at least two of the following seven courses:
PSYC 2350 Life-Span Human Development (3 credits)
or
PSYC 2380 Child and Adolescent Development (3 credits)
PSYC 3000 Psychological Research Methods (3 credits)
PSYC 3160 Social Psychology (3 credits)
PSYC 3210 Personality (3 credits)
PSYC 3260 Abnormal Psychology (3 credits)
PSYC 3510 Human Learning and Cognition (3 credits)
PSYC 4600 Biological Bases of Behavior (3 credits)
6 credits

With assistance from an academic adviser or faculty mentor, students select two psychology elective courses (these can include additional courses from the list above)
6 credits

Psychology Minor Total 18 credits

Sociology Minor

The sociology minor is intended to provide students with a solid grounding in the knowledge base of sociology. It covers social processes and change in a variety of arenas, including families, work, gender, and communities.
Sociology Minor Required Courses

SOCL 1020 Introduction to Sociology (3 credits)
SOCL 2130 Family Relationships (3 credits)
SOCL 2510 Social Problems (3 credits)
9 credits

Sociology Minor Electives

Select three of the following five courses:
PSYC 3160 Social Psychology (3 credits)
SOCL 3110 Gender, Sexuality, and the Family (3 credits)
SOCL 3130 Family Systems (3 credits)
SOCL 3300 Gender at Work (3 credits)
SOCL/PSYC 3550 Substance Abuse and the Family (3 credits)
SOCL 4000 Lesbian & Gay Cultures (3 credits)
9 credits

Sociology Minor Total 18 credits

Speech-Language Pathology Minor

The speech-language pathology minor provides students with a basic understanding of communication sciences and disorders. Some minor courses are offered only in the evening or on weekends.

Speech-Language Pathology Minor Required Courses

CSAD 2000 Introduction to Hearing, Speech, and Language (3 credits)
CSAD 3010 Phonetics (3 credits)
CSAD 3020 Anatomy and Physiology of the Speech and Hearing Mechanisms (3 credits)
CSAD 3030 Speech and Language Development (3 credits)
CSAD 3040 Neuroanatomy (3 credits)
CSAD 3050 Hearing and Speech Science (3 credits)

Speech-Language Pathology Minor Total 18 credits

Substance Abuse Studies Minor

The substance abuse studies minor is designed to meet the needs of those who wish to develop a broad base of knowledge concerning substance abuse problems, resources available for managing these problems, and modes of treatment of the individual substance abuser. This minor is appropriate for students employed in or wishing to enter the field of substance abuse treatment, as well as students who feel that the knowledge base provided in this program will be useful to them in their careers (management, teaching, etc.). Some minor

courses are offered only in the evening or on weekends.

Substance Abuse Studies Minor Required Courses

PSYC/SOCL 3550 Substance Abuse and the Family (3 credits)
PSYC 3570 Psychology and Physiology of Substance Abuse (3 credits)
PSYC 3580 Rehabilitation Strategies for Substance Abuse (3 credits)
PSYC 3600 Criminal Justice and Substance Abuse (3 credits)
PSYC 3620 Drug Prevention and Education (3 credits
PSYC 3630 Ethical/Professional Development (3 credits)

Substance Abuse Studies Minor Total 18 credits

Certificate Programs in Social and Behavioral Sciences

Paralegal Studies Post-Baccalaureate Certificate Program

The Post-Baccalaureate Certificate Program in Paralegal Studies is approved by the American Bar Association. A paralegal, as defined by the American Bar Association, is "a person, qualified by education, training or work experience, who is employed or retained by a lawyer, law office, corporation, governmental agency, or other entity, and who performs specifically delegated substantive legal work for which a lawyer is responsible." The goal of the program is to prepare students for entry-level paralegal positions in the common areas of law practice. Paralegals are nonlawyers and therefore are prohibited from the unauthorized practice of law. This program trains paralegals, and is not a program for training lawyers or legal administrators.

Students in the post-baccalaureate certificate program are required to submit a paralegal portfolio at an exit interview with the program coordinator prior to certificate conferral. LEGS courses offered online require proctored exams at approved sites.

Paralegal Studies Post-Baccalaureate Certificate
Required Courses

LEGS 1150 Introduction to Law and the Legal Profession (3 credits)
LEGS 2100 Legal Research and Writing I (3 credits)
LEGS 3050 Criminal Law and Procedure (3 credits)
LEGS 3210 Computer Applications for the Legal Profession (3 credits)
LEGS 3260 Real Estate Practice I (3 credits)
LEGS 3300 Torts and Civil Litigation (3 credits)
LEGS 3360 Wills, Trusts and Estates I (3 credits)
LEGS 3400 Business Relations and Organizations (3 credits)
LEGS 3550 Family Law (3 credits)
TECH 1110 Technology in the Information Age (3 credits)

Paralegal Studies Post-Baccalaureate Certificate
Total 30 credits

Substance Abuse Studies Certificate Program

NSU is listed as a single-source provider by the Florida Certification Board (FCB). The certificate program in substance abuse studies prepares students for certification from the Florida Certification Board SS #02. The program is designed so that interested applicants may pursue certification without interrupting their current careers.

The FCB has three specialty areas for certification: Certified Addictions Professional (CAP), Certified Criminal Justice Addiction Professional (CCJAP), and Certified Addiction Prevention Professional (CAPP). NSU is the only single source provider in Florida that offers courses in all three specialty areas. These courses are mainly offered in the evening or on weekends, but may also be available online and during the day. The substance abuse studies certificate includes six core and two counseling courses.

Substance Abuse Studies Certificate
Required Courses

PSYC/SOCL 3550 Substance Abuse and the Family (3 credits)
PSYC 3570 Psychology and Physiology of Substance Abuse (3 credits)
PSYC 3580 Rehabilitation Strategies in Substance Abuse (3 credits)
PSYC 3600 Criminal Justice and Substance Abuse (3 credits)
PSYC 3620 Drug Prevention and Education (3 credits)
PSYC 3630 Ethical/Professional Development (3 credits)
PSYC 3800 Current Psychotherapies (3 credits)
PSYC 4150 Group Counseling in Substance Abuse (3 credits)

Substance Abuse Studies Certificate
Total 24 credits

Interdisciplinary Programs — Applied Professional Studies Major

Interdisciplinary Programs offers the bachelor of science in applied professional studies. The applied professional studies major is available only to students enrolled in the Career Development Program. It offers a flexible program for adults who have gained significant professional experience and/or who have earned a large number of college credits toward their particular career goal. It is designed to allow students to select courses that best fit their career plans. Rather than study in one discipline or area of focus, students focus on applied practical studies that often draw on subjects in two or more divisions. The APS major may be offered to students in all locations subject to course availability.

For more information about the applied professional studies major, contact the Office of the Dean at (954) 262-8408.

Eligibility for the Applied Professional Studies Major

To enroll in this major, students must

1. have a minimum of 45 transferable credits
2. have completed an 18-credit concentration before enrolling at Nova Southeastern University
3. submit a rationale for acceptance into this program explaining his or her educational and career goals

Applied Professional Studies Major Requirements

A minimum of 15 upper division (3000 and 4000 level) credits must be included in the total required 120 credits. Students may apply an unlimited number of prior learning credits toward their applied professional studies degree; a minimum of 30 credits must be completed at NSU. Students majoring in applied professional studies may demonstrate learning competencies for one of their concentrations through NSU coursework, transfer courses from other institutions, prior learning, or testing (e.g., DANTES and CLEP). Specific requirements are:

1. General Education Framework: Up to 30 credits

2. Major Requirements: 39-49 credits
a. Including PSYC 1410 Personal Career Development (3 credits)
b. Concentration I (18 credits transferred in)
c. Concentration II (18-28 credits taken at NSU)

3. Open Electives 41-51 credits

Total Degree Requirements 120 credits

APS Concentrations

Students choose one of the following concentrations after consultation with their academic adviser. Not all concentrations are offered at every location.

Computer Engineering Technology Concentration
(administered by the Division of Math, Science, and Technology)

Required courses:
CSIS 1900 Computer Programming I (C/C++) (4 credits)
CSIS 2410 Assemblers and Assembly Language Programming (4 credits)
CSIS 2950 Computer Programming II (Java) (4 credits)
CSIS 3060 Digital Design (3 credits)
CSIS 3400 Data Structures (4 credits)
CSIS 3800 Survey of Operating Systems (3 credits)
Select two:
CSIS 3500 Networks and Data Communications (3 credits)
CSIS 3530 Artificial Intelligence (3 credits)
CSIS 4050 Computer Architecture (3 credits)
CSIS 4350 Robotics (3 credits)
CSIS 4650 Computer Graphics (3 credits)
CSIS 4710 Embedded Systems (3 credits)
CSIS 4900 Directed Projects (3 credits)
28 credits

Computer Studies Concentration
(administered by the Division of Math, Science, and Technology)

Prerequisites (or equivalents):
TECH 1110 Technology in the Information Age (3 credits)
MATH 1200 Precalculus Algebra (3 credits)
MATH 2080 Applied Calculus (3 credits)
Required courses:
CSIS 1400 Discrete Mathematics (3 credits)
CSIS 1900 Computer Programming I (4 credits)
CSIS 2000 Introduction to Database Systems (3 credits)
CSIS 2950 Computer Programming II (4 credits)
CSIS 3020 Web Programming and Design (3 credits)
CSIS (3000 level or above) elective (3 credits)
TECH 2150 Introduction to Internet Resources (3 credits)
23 credits

Information Technology Concentration
(administered by the Division of Math, Science, and Technology)

Required courses:
TECH 1110 Technology in the Information Age (3 credits)
TECH 2000 Computer Technology: The Impact and Implications (3 credits)
TECH 2150 Introduction to Internet Resources (3 credits)
Select three:
CSIS 3010 Organization of the Computer Environment (3 credits)
MGMT 3660 Management Information Systems (3 credits)*
PHIL 3010 Ethical Issues in Communications (3 credits)
TECH 2130 Business Applications of Microcomputers (3 credits)
TECH 3000 Multimedia Design (3 credits)
TECH 4050 Business Data Communication (3 credits)
18-19 credits

Natural Science Concentration
(administered by the Division of Math, Science, and Technology)

Required courses:
BIOL 1500 Biology I/Lab (4 credits)
BIOL course/lab (see academic adviser) (4 credits)
BIOL/CHEM course/lab (see academic adviser) (4 credits)
CHEM 2300 General Chemistry I/Lab (4 credits)
CHEM 2310 General Chemistry II/Lab (4 credits)
20 credits

Psychology Concentration
(administered by the Division of Social and Behavioral Sciences)

Required courses:
PSYC 1020 Introduction to Psychology (3 credits)
PSYC 2330 Interpersonal Communication (3 credits)
Select two:
PSYC 2350 Life-Span Human Development (3 credits)
or
PSYC 2380 Child and Adolescent Development (3 credits)
PSYC 3000 Psychological Research Methods (3 credits)
PSYC 3160 Social Psychology (3 credits)
PSYC 3210 Personality (3 credits)
PSYC 3260 Abnormal Psychology (3 credits)
PSYC 3510 Human Learning and Cognition (3 credits)
PSYC 4600 Biological Bases of Behavior (3 credits)
Select two PSYC courses, with assistance from academic adviser:
PSYC (6 credits)
18 credits

Substance Abuse Studies Concentration
(administered by the Division of Social and Behavioral Sciences)

Required courses:
PSYC/SOCL 3550 Substance Abuse and the Family (3 credits)
PSYC 3570 The Psychology and Physiology of Substance Abuse (3 credits)
PSYC 3580 Rehabilitation Strategies for Substance Abuse (3 credits)
PSYC 3600 Criminal Justice and Substance Abuse (3 credits)
PSYC 3620 Drug Prevention and Education (3 credits)
PSYC 3630 Ethical/Professional Development (3 credits)
PSYC 3800 Current Psychotherapies (3 credits)
PSYC 4150 Group Counseling in Substance Abuse (3 credits)
24 credits

* Refer to Huizenga School course descriptions

Course Descriptions

ADRB

ADRB 2000 Intro to Dispute Resolution (3 credits) This course provides an introduction to conflict and conflict resolution and various ways in which conflict resolution can be practically applied. In addition, the course focuses on some of the basic theories of conflict escalation and de-escalation as well as communication and problem-solving skills with practical application using a variety of techniques. The course also introduces the student to the process of negotiating public disputes. Prerequisite: sophomore standing.

ARTS

ARTS 1400 The Theater Arts (3 credits) This course focuses on the arts of the theatre, including drama, music, dance, and play production, particularly those plays representing major theatrical trends.

ARTS 1500 Music Through History (3 credits) This course traces the development of music in Western culture, with an emphasis on music written and preserved from the Middle Ages to the present. The course encourages and enables students to recognize, analyze, and understand the materials of music (such as musical instruments and their properties, and the use of scales, modes and rhythms) as well as various musical forms (fugue, sonata cycle, overture).

ARTS 1999 Prior Learning (1-12 credits) This course number and prefix indicate award of lower-level undergraduate prior learning credit in the arts. This course is repeatable up to 12 credits.

ARTS 2300 Art and Society (3 credits) This course examines the ways in which artists and the arts have influenced Western society from the Renaissance to the 20th century, focusing on painting, sculpture, architecture, music, dance, and film. Students will also visit local museums and attend musical and theatrical events as a means of gaining a greater understanding of the arts. Prerequisite: COMP 1500

ARTS 2300H Art and Society Honors (3 credits) This course examines the ways in which artists and the arts have influenced Western society from the Renaissance to the 20th century, focusing on painting, sculpture, architecture, music, dance and film. Students will also visit local museums and attend musical and theatrical events as a means of gaining a greater understanding of the arts. Honors students only. Prerequisite: COMP 1500

ARTS 2540 Introduction to Film Criticism (3 credits) This course focuses on understanding film as an art form through examining its history. Topics include the technological and commercial origins of film, social developments affecting film, and critical approaches to film. Prerequisite: COMP 1500

ARTS 3020 Women in the Arts (3 credits) This course is a study of the particular contributions of women in art, music, theatre, and dance. Prerequisite: One ARTS course; and COMP 2000, 2010, or 2020.

ARTS 3300 Myth and Art (3 credits) This course focuses on the relations between verbal and visual arts, particularly the myths and epics of Europe and the Mediterranean world, and the later literary and artistic traditions developing from them. Prerequisite: one ARTS course; and COMP 2000, 2010, or 2020.

ARTS 3400 Non-Western and Modern Art (3 credits) This course focuses on Asian Oceanic, African, and Native American arts and cultures, their discovery by the West, and their influences on the development of 20th-century art and society. Prerequisite: one ARTS course; and COMP 2000, 2010, or 2020.

ARTS 3999 Prior Learning (3 credits) This course number and prefix indicate award of upper-level undergraduate prior learning credit in the arts. This course is repeatable up to 12 credits.

ARTS 4900 Special Topics in the Arts (3 credits) This course is designed for students with an interest in a particular period or genre of art, music, or theatre, specific artist, composers, dramatists, or topics not covered in other art, music, or theatre courses. Specific focus to be announced. May be repeated once for credit, if content changes and with written consent of division director. Pre-requisite: one ARTS course; COMP 2000, 2010 or 2020.

ARTS 4990 Independent Study (3 credits) The student selects, and carries out independently, library and/or empirical research. Faculty supervision is provided on an individual basis. Written consent of instructor and division director required. Prerequisite: one ARTS course; and COMP 2000, 2010, or 2020.

ATTR

ATTR 1100 Introduction to Athletic Training (1 credit) This course is an introduction to the sports medicine team, legal considerations, environmental concerns, and the profession of athletic training. Students will be able to promote athletic training as a professional discipline in order to educate athletes, the general public, and the physically active. This course includes a minimum of 50 hours of scheduled clinical observations at an approved site, under the supervision of a Certified Athletic Trainer.

ATTR 1200 Principles of Athletic Training (3 credits) Emphasis will be on the basic concepts of preventing athletic injuries, injury recognition and assessment, and care and treatment procedures for proper management of athletic injuries. Additionally, students will be instructed in the arts and skills of taping and wrapping. This course includes a minimum of 50 hours of scheduled clinical observations at an approved clinical site, under the supervision of a Certified Athletic Trainer. Prerequisite: ATTR 1100.

ATTR 1300 Emergency Care and First Aid (3 credits) Students will learn to recognize, assess, and treat the acute injuries and illnesses of athletes and others involved in physical activities, and to provide proper medical referrals. Also covered will be first aid skills, Rescuer Cardiovascular Pulmonary Resuscitation, preventing disease transmission, and automated external defibrillator and oxygen administration.

ATTR 1400 Health and Fitness (3 credits) This course will provide students with the basic concepts of health, such as nutritional issues, physiological concerns, and wellness screening. Students will also gain an appreciation for lifetime fitness activities and an understanding of how community programs provide necessary health services to the general public.

ATTR 1999 Prior Learning Credit in Athletic Training (1-12 credits) This course number and prefix indicate award of lower-level undergraduate prior learning credit in athletic training. This course is repeatable up to 12 credits. Prerequisite: approval of director.

ATTR 2100 Injury Evaluation I (3 credits) Emphasis will be on recognition, assessment, treatment, and appropriate medical referral of athletic injuries and illnesses of the lower extremities including the head and the lumbar spine. Additional emphasis will be placed on the

psychosocial aspects of injury and illness. Only for students matriculated in the Athletic Training Education Program. Prerequisite: ATTR 1200.

ATTR 2200 Injury Evaluation II (3 credits) Emphasis will be on recognition, assessment, treatment, and appropriate medical referral of athletic injuries and illnesses of the upper extremities, including the head and cervical spine. Additional emphasis will be placed on the clinical evaluation skills. Only for students matriculated in the Athletic Training Education Program. Prerequisite: ATTR 2100.

ATTR 2210 Clinical Experiences in Athletic Training I (1 credit) These courses focus on field experiences and the application of learned principles from athletic training clinical skills. This course includes 200 hours of observation in various settings and specific clinical skills from the previous semester to facilitate comprehensive learning. Students will be supervised and given the opportunity to practice learned skills in the clinical setting. Only for students matriculated in the Athletic Training Education Program. Prerequisite: ATTR 1200.

ATTR 2220 Clinical Experiences in Athletic Training II (1 credit) These courses focus on field experiences and the application of learned principles from athletic training clinical skills. This course includes 200 hours of observation in various settings and specific clinical skills from the previous semester to facilitate comprehensive learning. Students will be supervised and given the opportunity to practice learned skills in the clinical setting. Only for students matriculated in the Athletic Training Education Program. Prerequisite: ATTR 2210.

ATTR 2300 Sports Nutrition (3 credits) This course includes the study of nutrition, biochemical processes in energy metabolism, and nutrition-related health problems. Additional emphasis will be placed on nutrition as it relates to physical performance, sports, and fitness.

ATTR 2400 Strength and Conditioning (2 credits) This course includes the study of the varied aspects of strength training in a variety of sports. In addition to learning and practicing strength training techniques, students will design a conditioning program for pre-season, in-season, off-season, and recovery modules.

ATTR 3100 General Medicine in Sports (3 credits) Students will acquire skills and knowledge on the recognition, treatment, and referral of general medical conditions related to each of the body systems, including but not limited to congenital and acquired abnormalities of athletes and other physically active individuals. Also included are physiological progression of injuries, illnesses, and diseases. Additional area of focus is related to pathology, medical diagnostics, medical interventions (pharmacological and procedural), and the implications of these for the athlete or others involved in physical activities. Prerequisite: BIOL 3312 or equivalent.

ATTR 3230 Clinical Experiences in Athletic Training III (1 credit) These courses focus on field experiences and the applications of learned principles from athletic training clinical skills. This course includes 200 hours of observation in various settings and specific clinical skills from the previous semester to facilitate comprehensive learning. Students will be supervised and given the opportunity to practice learned skills in the clinical setting. Only for students matriculated in the Athletic Training Education Program. Prerequisite: ATTR 2220.

ATTR 3240 Clinical Experiences in Athletic Training IV (1 credit) These courses focus on field experiences and the applications of learned principles from athletic training clinical skills. This course includes 200 hours of observation in various settings and specific clinical skills from the previous semester to facilitate comprehensive learning. Students will be supervised and given the opportunity to practice learned skills in the clinical setting. Only for students matriculated in the Athletic Training Education Program. Prerequisite: ATTR 3230.

ATTR 3300 Therapeutic Modalities/Lab (4 credits) A study of sports therapy physical agents used to treat injuries of the musculoskeletal, neuromuscular, and integumentary systems including, but not limited to cryotherapy, hydrotherapy, electrotherapy, biofeedback, and mechanical therapy. Students will apply the techniques and clinical skills related to the application of therapeutic modalities. Clinical hours in the athletic training room and other facilities (see Clinical Experience I through IV) will give the student the additional opportunity to use the knowledge, skills, and techniques learned in this course. Only for students matriculated in the Athletic Training Education Program. Prerequisite: ATTR 2200.

ATTR 3500 Rehabilitation of Athletic Injuries/Lab (4 credits) A study of concepts and principles of a comprehensive rehabilitation program including the neuromuscular aspects of exercise, theories of motor control, motor learning, determination of therapeutic goals and objectives, selection of therapeutic exercises, methods of evaluating and recording rehabilitation progress, development of criteria for progress and return to completion, and the physiological effects of tissue trauma/wound healing and inactivity/immobilization. Students will apply the techniques and clinical skills related to the application of rehabilitation. Clinical hours in the athletic training room and other facilities (see Clinical Experience I through IV) will give the student the additional opportunity to use the knowledge, skills, and techniques learned in this course. Only for students matriculated in the Athletic Training Program. Prerequisite: ATTR 3300.

ATTR 3999 Prior Learning Credit in Athletic Training (1-12 credits) This course number and prefix indicate award of upper-level undergraduate prior learning credit in athletic training. This course is repeatable up to 12 credits. Prerequisite: approval of director.

ATTR 4100 Athletic Training Administration (3 credits) Concepts of legal liability, budget/financial and personnel management, marketing, public relations, inventory control, facility design/development/maintenance and administration of allied-health care programs will be addressed. Additionally, the student will discuss the day-to-day supervision, scheduling and provision of services to athletes and other physically active individuals offered in the athletic training room, health-care facilities and other venues.

ATTR 4300 Applied Research in Athletic Training (3 credits) Research methodology, statistical analysis, data collection, and writing for publications related to athletic training and sports medicine. Students will receive cognitive background, theoretical foundation, and guidance to develop and write a research proposal. Additional focus will be placed on grant writing.

ATTR 4950 Internship in Athletic Training (1-12 credits) A work experience for 16 weeks in the student's major area of study or area of career interest. Consult academic division for specific details and requirements. Prerequisites: cumulative GPA of 2.5 or higher, major GPA or 3.0 or higher, completion of 60 or more credit hours, supervision of instructor, and permission of academic director.

BIOL

BIOL 1040 Environmental Studies (3 credits) Overview of environmental science that integrates social, economic, technical, and political issues. Problems of ecological disruptions, growth of human populations, land use, energy, water supplies, food supplies, pesticides, and pollution are covered.

BIOL 1060 Amoebas to Zebras: Life on Earth (3 credits) Tiptoe through the tulips, tapeworms, toadstools, tiger sharks, and tarantulas. This course is an overview of the diversity of life on earth, introducing the major groups of living things, from bacteria to mammals, with introductions to basic concepts in ecology, evolution, and life processes.

BIOL 1060H Amoebas to Zebras: Life on Earth Honors (3 credits) Tiptoe through the tulips, tapeworms, toadstools, tiger sharks, and tarantulas. This course is an overview of the diversity of life on earth, introducing the major groups of living things, from bacteria to mammals, with introductions to basic concepts in ecology, evolution, and life processes. This course includes some laboratories and field trips. Satisfies the general education requirement in science. Prerequisite: Honors students only.

BIOL 1070 Basics of Human Heredity (3 credits) This course examines basic concepts of genetics and their application to human heredity and diversity. Topics covered include structure and function of DNA, genes and chromosomes, the role of genes in heredity, tracing of genetic traits in family trees, and advances in genetic technologies as applied to human medicine. This course is not intended for Biology majors. Prerequisites: MATH 1030.

BIOL 1080 Human Biology (3 credits) This course explores the biology of the human organism and is designed to provide a framework by which the student can understand human biology at the cellular, molecular, and organismal levels, both in the healthy state and in the diseased and/or malfunctioning state. The course will emphasize the process of recognizing choices and the application of biological knowledge in the decision-making process. Topics will include a study of the organ systems, immunity, and reproduction development. This course is not intended for Biology majors.

BIOL 1090 The Age of Dinosaurs (3 credits) An introduction to the most fascinating period of life on earth--The Mesozoic Era--emphasizing the most famous inhabitants of the time--the dinosaurs: their kinds, ecology, evolution, life habits, and eventual extinction. The course also introduces basic concepts in evolution, geology, and paleontology needed to understand dinosaurs and the other animals and plants that populated the Mesozoic world.

BIOL 1100 Concepts and Connections in Biology (3 credits) Focuses on the fundamental concepts in the life sciences and helps students make connections to the real world. Basic functions of life are compared and contrasted among the five kingdoms. Connections are made between the various life forms and humans. Life is studied at all levels, from the cell to the ecosystem. The complementarity of structure and function is stressed. Evolution is the guiding theme throughout the course. Prerequisite: MATH 1000 or higher. higher.

BIOL 1101 Concepts and Connections in Biology Lab (1 credit) The laboratory series connect science with teaching and the real world. Students are taught how to convert scientific themes into investigative packs for the curious nature of the middle-school student. The course will be taught in a format that utilizes easily accessible equipment and supplies and uses resources that are generally available within the community. Laboratory exercises connect biology to the student: understanding key biological concepts of plants, animals, physiology, anatomy, and heredity genetics.

BIOL 1220 Introduction to Marine Biology (3 credits) Introduction to marine environments of South Florida with emphasis on adaptation of local organisms to a variety of habitats including mangrove swamps, the intertidal zone, sea grass meadows, coral reefs, and the Gulf Stream. Field trips to various South Florida marine habitats will round out the course experience.

BIOL 1400 Introductory Cell Biology (3 credits) This course is an introduction to the basic principles of cell and molecular biology. It includes the study of atomic, molecular cellular structure and function; biochemical processes and pathways; and molecular classical genetics. Prerequisite: MATH 1000.

BIOL 1480 Biology I (3 credits) An introduction to the biological sciences for students interested in pursuing a career in this area. Includes cellular and molecular organization, cell reproduction, genetics, and evolution. This class does not include a lab. Prerequisite: MATH 1040 and COMP 1000.

BIOL 1490 Biology II (3 credits) Second part of a two-part sequence that includes a survey of the five kingdoms emphasizing structure and function in plants and animals. This course does not include a lab. Prerequisite: MATH 1040 and COMP 1000.

BIOL 1500 Biology I/Lab (4 credits) An introduction to the biological sciences for students interested in pursuing a career in this area. Includes subcellular and cellular organization, structures/function, biochemistry, classical/molecular genetics, and popular dynamics - all arranged around evolution as a major theme. Includes laboratory sessions. Prerequisites: MATH 1040 and COMP 1000.

BIOL 1510 Biology II/Lab (4 credits) Second part of two-part sequence that includes a survey of the five kingdoms emphasizing structure and function in plants and animals. Includes laboratory sessions. Prerequisite: MATH 1040 and COMP 1000.

BIOL 1510H Biology II/Lab Honors (4 credits) This course covers a survey of the 5 Kingdoms emphasizing structure and function in plants and animals. It will provide a comprehensive introduction to basic principles of biological science that build upon the foundations of Biology I to examine larger scales of organization. Focus will be on phylogenetic relationships, organism function, species diversity, and ecological interactions. This course is designed to guide the student in learning a broad overview of most organism groups so that advanced undergraduate and post-graduate study can be put into the proper context. Prerequisites: BIOL 1500, MATH 1040, and Comp 1000; Honors students only.

BIOL 1520 Biology I Lab Only (1 credit) An introductory lab course which covers subcellular/cellular organization, structures and function, biochemistry, classical/molecular genetics, and population dynamics all arranged around evolution as a major theme.

BIOL 1530 Biology II Lab Only (1 credit) An introductory course that includes a survey of the five kingdoms emphasizing structure and function in plants and animals. This course does not include a lecture.

BIOL 1999 Prior Learning Credit in Biology (1-12 credits) This course number and prefix indicate award of lower-level undergraduate prior learning credit in biology. This course is repeatable up to 12 credits. Prerequisite: approval of director.

BIOL 2200 General Botany/Lab (4 credits) No Description is Available

BIOL 2250 The Natural History of John U. Lloyd Beach State Park (3 credits) This course provides an overview of the natural history of John U. Lloyd Beach State Park. Material to be covered includes the human history, climate, geology, vegetation, flora/fauna, and environmental conservation issues. This course is designed to prepare students for internships in the park. Prerequisites: any BIOL 1000 level course.

BIOL 2400 Applied Microbiology (3 credits) This course is an introduction to the basic principles of applied microbiology. It provides an overview of medical microbiology. It introduces the diversity and importance of microbes and their physiology. Aspects of pathogenicity and immunology are stressed. Prerequisite: BIOL 1400 and MATH 1030.

BIOL 2600 Medical Terminology (3 credits) This course covers the basic structure of medical terms, including roots, prefixes, and suffixes. Emphasis will also be placed on the terminology of body systems. Medical terms related to anatomy, physiology, pathology, clinical procedures, laboratory tests, and medical abbreviations will be covered. Also, students will learn medical terminology related to specialized areas of medicine such as cancer medicines, nuclear medicines, radiology/radiotherapy, pharmacology, and psychiatry. Prerequisite: BIOL 1080 or higher.

BIOL 2950 Field Study at John U. Lloyd Beach State Park (3 credits) This course provides an opportunity for students to conduct

field studies at John U. Lloyd Beach State Park. Projects include guiding tours for the public and school groups, assisting park personnel with exotic plant removal and native plant rehabilitation, maintaining the nature trail, etc. Prerequisite: BIOL 2250.

BIOL 3180 General Ecology Lab (1 credit) This field-oriented laboratory course focuses on South Florida organisms. Visits to the Everglades, mangrove, and coral reef ecosystems. Laboratory experiments will illustrate ecological concepts. Prerequisites: BIOL 1500 and BIOL 1510.

BIOL 3190 General Ecology (3 credits) This course examines the basic principles governing the interactions among organisms and between organisms and their environment. Topics include energy flow, population dynamics, social interactions, competition, predation, species diversity, ecosystem stability, ecological succession, biogeochemical cycles, and the impact of man. Prerequisites: BIOL 1500 & BIOL 1510.

BIOL 3200 General Ecology/Lab (4 credits) Basic principles governing the interaction of organisms and their environment including food webs, energy flow, biogeochemical cycles, factors controlling distribution and abundance, biological and species interaction, species diversity, ecosystem stability, ecological succession, and impact of man. Includes laboratory sessions. Prerequisites BIOL 1500 and BIOL 1510.

BIOL 3210 History of Science (3 credits) This class is designed to acquaint the student with the history of science, from the onset of rational and organized thought to the current day. Emphasis will be placed on significant events, such as the emergence of the first scientific thinkers of ancient China and Greece, Copernican theory of celestial bodies, Darwin's Origin of Species, and the configuration of DNA.

BIOL 3298 Invertebrate Zoology (3 credits) Basic invertebrate zoology including introductory anatomy, physiology, phylogeny, and ecology of major animal phyla from protozoa through echinoderms with emphasis on marine organisms. This course does not include a lab.

BIOL 3299 Invertebrate Zoology Lab (1 credit) Basic invertebrate zoology including introductory anatomy, physiology, phylogeny, and ecology of major animal phyla from protozoa through echinoderms with emphasis on marine organisms. This course does not include a lecture.

BIOL 3300 Invertebrate Zoology/Lab (4 credits) Basic invertebrate zoology including introductory anatomy, physiology, phylogeny, and ecology of major animal phyla from protozoa through echinoderms with emphasis on marine organisms. Includes laboratory sessions. Prerequisites: BIOL 1500 and BIOL 1510.

BIOL 3312 Human Anatomy & Physiology/Lab (5 credits) This course deals specifically with form and function of the human systems. The lecture period stresses human physiology; the laboratory is devoted to anatomy, histology, and physiology. The lecture and laboratory are presented in a unified fashion with the aim that each reinforces the other in presenting a complete picture of functional morphology. Although lower vertebrates are used for comparative purposes, human systems receive major emphasis in both lecture and laboratory. Prerequisite: BIOL 1400 or BIOL 1500.

BIOL 3320 Anatomy and Physiology I/Lab (4 credits) This is the first part of a two-part course that deals specifically with form and function of vertebrate organ systems. The lecture period stresses human physiology and the laboratory is mainly devoted to gross anatomy. However, the lecture and laboratory are presented in a unified fashion with the aim that each reinforces the other in presenting a complete picture of functional morphology. Although lower vertebrates are used for comparative purposes, mammalian systems receive major emphasis in both lecture and laboratory. Prerequisite: BIOL 1500 or equivalent.

BIOL 3321 Anatomy and Physiology I (3 credits) This is the first part of a two- part course that deals specifically with form and function of the vertebrate organ systems. The lecture period stresses human physiology. Although the lower vertebrates are used for comparative purposes, the mammalian systems receive major emphasis. This course does not include a lab. Prerequisite: An introductory, college-level biology or zoology course.

BIOL 3322 Anatomy and Physiology I Lab (1 credit) This is the first part of a two-part course that deals specifically with form and function of the vertebrate organ systems. The lab is mainly devoted to gross anatomy. Although the lower vertebrates are used for comparative purposes, the mammalian systems will receive major emphasis. This course does not include a lecture. Prerequisite: An introductory, college-level biology or zoology course.

BIOL 3330 Anatomy and Physiology II/Lab (4 credits) This is the second part of a two-part course that deals specifically with form and function of vertebrate organ systems. The lecture period stresses human physiology, and the laboratory is devoted to histology and physiology. The lecture and laboratory are presented in a unified fashion with the aim that each reinforces the other in presenting a complete picture of functional morphology. Although lower vertebrates are used for comparative purposes, human systems receive major emphasis in both lecture and laboratory. Prerequisite: BIOL 3320 or permission of instructor.

BIOL 3331 Anatomy and Physiology II (3 credits) This is the second part of a two-part course that deals specifically with form and function of the vertebrate organ systems. The lecture period stresses human physiology. Although the lower vertebrates are used for comparative purposes, the human systems receive major emphasis. The course does not include a lab. Prerequisite: BIOL 3320.

BIOL 3332 Anatomy and Physiology II Lab (1 credit) This is a second part of a two-part course that deals specifically with form and function of the vertebrate organ systems. The lab is mainly devoted to gross anatomy. Although the lower vertebrates are used for comparative purposes, the mammalian systems receive major emphasis. This course does not include a lecture. Prerequisite: BIOL 3320.

BIOL 3398 Microbiology (3 credits) Introduction to basics of morphology, metabolism, growth, genetics, enumeration, and control and public health aspects of bacteria and viruses, with emphasis on marine processes and types. This course does not include a lab. Prerequisites: BIOL 1500, BIOL 1510, and CHEM 2310.

BIOL 3399 Microbiology Lab (1 credit) Introduction to basics of morphology, metabolism, growth, genetics, enumeration, and control and public health aspects of bacteria and viruses, with emphasis on marine processes and types. This course does not include a lecture. Prerequisites: BIOL 1500, BIOL 1510, and CHEM 2310.

BIOL 3400 Microbiology/Lab (4 credits) Introduction to basics of morphology, metabolism, growth, genetics, enumeration, and control and public health aspects of bacteria and viruses, with emphasis on marine processes and types. Includes laboratory sessions. Prerequisites: BIOL 1510, BIOL 1510, and CHEM 2310.

BIOL 3590 Genetics (3 credits) Review of principles of Mendelian and quantitative inheritance considered at a morphological and molecular level, including a survey of population genetics, theories of natural selection, the study of amino acids, and nucleotide substitutions as "evolutionary clocks." Prerequisites: BIOL 1500, CHEM 2310 & MATH 3020.

BIOL 3599 Genetics Lab (1 credit) Review of principles of Mendelian and quantitative inheritance considered at the morphological and molecular levels including a survey of population genetics and theories of natural selection and the study of amino acids and nucleotide substitutions as "evolutionary clocks." This

course does not include a lecture. Prerequisite: BIOL 1500, CHEM 2310 & MATH 3020.

BIOL 3600 Genetics/Lab (4 credits) Review of principles of Mendelian and quantitative inheritance considered at a morphological and molecular level, including a survey of population genetics, theories of natural selection, the study of amino acids, and nucleotide substitutions as "evolutionary clocks." Prerequisites: BIOL 1500, CHEM 2310, and MATH 3020

BIOL 3700 Kinesiology (3 credits) A study of the anatomy, physiology, and biomechanics of the muscle system as it relates to the principles of movement. Students will learn the muscle groups involved with specific movements and the results of the action of particular muscle groups on the overall movement. Both normal and impaired movements will be analyzed. Prerequisites: BIOL 3312 or BIOL 3320.

BIOL 3710 Exercise Physiology (3 credits) Study of the integration of cardiopulmonary, neuromuscular, and musculoskeletal systems as they apply to the movement of body through space. Studied at the chemical, cell, and organismal levels. Prerequisite: BIOL 3312 or BIOL 3320.

BIOL 3999 Prior Learning Credit in Biology (1-12 credits) This course number and prefix indicate award of upper-level undergraduate prior learning credit in biology. This course is repeatable up to 12 credits. Prerequisite: approval of director.

BIOL 4200 Neurobiology (3 credits) This course is an introductory survey that covers nerve function from the molecular level to behavior. The objective is to give the advanced student in the biological sciences insight into fundamental mechanisms of nervous integration. The instructional format will consist of lectures, discussion groups, computer simulations, and guest lectures by practicing neuroscientists.

BIOL 4340 Cellular and Molecular Biology (3 credits) Molecular and biochemical basis of cell structure and function. Topics covered include modern methods for studying cells; cell architecture, growth and divisions; structure and expression of prokaryotic and eukaryotic genes; chromosome structure; development; immune system and cancer biology. This course does not include laboratory sessions. Prerequisites: BIOL 1500 and CHEM 2310.

BIOL 4350 Cellular and Molecular Biology/Lab (4 credits) Molecular and biochemical basis of cell structure and function. Topics covered include modern methods for studying cells; cell architecture, growth and division; structure and express of prokaryotic and eukaryotic genes; chromosome structure; development; immune system and cancer biology. This course does not include laboratory sessions. Prerequisites: BIOL 3312 or BIOL 3330.

BIOL 4360 Immunology (3 credits) A survey of, and introduction to immunology which includes innate and specific immunity, recognition of antigens, antibodies, the complement system, cytokines, cancer and the immune system, and autoimmunity. Prerequisites: BIOL 3330, 3400, and BIOL 3600.

BIOL 4380 Discovering Genomics, Proteomics, and Bioinformatics (3 credits) This course provides students with an overview of the interactions among molecules including DNA, proteins, lipids, and carbohydrates within cells and in the context of applied medical, pharmaceutical and general biological research. A variety of computer-based tools will be used throughout this course. Prerequisites: TECH 1110, and one of the following: BIOL 3600, BIOL 4340, or BIOL 4450.

BIOL 4400 Developmental Biology (3 credits) Principles of human cellular differentiation, morphogenesis, and development, with comparisons to lower animal forms. Prerequisites: Human Embryo or BIOL 3330 or BIOL 3312.

BIOL 4448 Biochemistry Lab (1 credit) Chemistry of proteins, lipids, carbohydrates, and nucleic acids and principles in enzymology, metabolism, and bioenergetics. This is a laboratory session course. Prerequisite: BIOL 1500, CHEM 3200 or CHEM 3310.

BIOL 4449 Biochemistry (3 credits) Chemistry of proteins, lipids, carbohydrates, and nucleic acids; and principles in enzymology, metabolism, and bioenergetics. Prerequisite: BIOL 1500, CHEM 3200 or CHEM 3310.

BIOL 4450 Biochemistry/Lab (4 credits) Chemistry of proteins, lipids, carbohydrates, and nucleic acids; and principles in enzymology, metabolism, and bioenergetics. Prerequisite: BIOL 1500, CHEM 3200 or 3310.

BIOL 4900 Special Topics in Biology (1-3 credits) Topics in advanced biology that are not included in a regular course offering. Prerequisites may be required. Specific content and prerequisites are announced in the course schedule for the given term. Students may re-enroll for Special Topics covering different content.

BIOL 4950 Internship in Biology (1-12 credits) A work experience for 16 weeks in the student's major area of study or area of career interest. Consult academic division for specific details and requirements. Prerequisites: cumulative GPA of 2.5 or higher, major GPA or 3.0 or higher, completion of 60 or more credit hours, supervision of instructor, and permission of academic advisor.

BIOL 4990 Independent Study in Biology (1-3 credits) The student selects and independently carries out library and/or empirical research. Faculty supervision is provided on an individual basis. Prerequisite: to be determined by the faculty and the division director.

CHEM

CHEM 1040 Chemistry and Society (3 credits) Students in this course are provided with knowledge of chemical principles principally in terms of concepts. They will evaluate the importance of scientific inquisitiveness in everyday life. The course will include, but not be limited to, topics such as chemical inventions, environmental chemistry (water, air, pollution regulation, hazardous waste, greenhouse gases, global warming, soil chemistry, fertilizer, pesticides), food chemistry (vitamins, minerals, growth hormones, food additives, preservatives, antioxidants), energy sources (batteries, fuels, power plants, solar energy, nuclear reactors), synthetic materials (polymers, ceramics, glass, fabrics, modern materials, adhesives, paints, medicinal chemistry (vision, cancer therapy, prescription drugs, antibiotics, psychoactive drugs), biochemicals (proteins, enzymes, carbohydrates, hormones, lipids), consumer chemicals (cosmetics, cleansing agents, perfumes), and chemical warfare agents and poisons.

CHEM 1080 History of Chemistry (3 credits) This course will cover selected aspects concerning the history of chemistry. The course will present important theories and/or experiments and their progenitors for several aspects in the historical development of chemistry. Topics include atomic theory, chemical bonding, the periodic table, gas laws, organic chemistry, nuclear chemistry, industrial chemistry, electrochemistry, spectroscopy, chemical warfare and explosives, instrumentation, and technology. These topics will be closely linked to the scientists and their times.

CHEM 1100 Fundamentals of Chemistry (3 credits) This course is an introduction to general chemistry. It will start with a foundation of energy and the nature of matter. Upon this foundation students will investigate chemical reactions, chemical nomenclature, and reaction stoichiometry and continue with chemical periodicity, chemical bonding, and acid/base theory. The course concludes with an introduction to kinetics, equilibrium, redox, materials science, and radiation. Prerequisite: MATH 1040.

CHEM 1101 Fundamentals of Chemistry Lab (1 credit) The series of lab experiences connects science with both teaching and real-world application. Students are taught how to convert scientific themes into investigative packets for the middle school student. This laboratory course provides hands-on experiences relevant to the concepts taught in Fundamentals of Chemistry (CHEM 1100). The lab will be taught in a format that utilizes accessible equipment and supplies that would be available or could be assembled in most middle school classrooms. The scientific method will be emphasized, and students will be involved in developing, assembling, and conducting the laboratory experiences. Recording and analyzing data will be done using computer spreadsheets. Multimedia simulations, the Internet, and community resources will be employed. During this lab, students will add to their portfolio of notes, demonstrations, and resources applicable to the middle school classroom. This course is taken in conjunction with CHEM 1100. Prerequisite: MATH 1040.

CHEM 1500 Introduction to Environmental Chemistry (3 credits) This course teaches the basic principles of chemistry using examples from the environment. Through a brief introduction to areas of inorganic, organic and biochemistry, the diversity of chemical pollutants in the environment will be explored. Emphasis will be placed on environmental issues such as the sources of chemical pollutants, the reactions that produce them and their toxicity. A basic level of algebra is essential. Prerequisites: MATH 1030 or higher.

CHEM 1999 Prior Learning Credit in Chemistry (1-12 credits) This course number and prefix indicate award of lower-level undergraduate prior learning credit in chemistry. This course is repeatable up to 12 credits. Prerequisite: approval of director.

CHEM 2280 General Chemistry I Lab (1 credit) Basic chemical calculations, periodicity, bonding, inorganic reaction, and kinetics. First half of General Chemistry Continuum. Prerequisite: MATH 1200.

CHEM 2290 General Chemistry II Lab (1 credit) Laboratory course which covers thermodynamics, acid-base reactions, electrochemistry, and nuclear chemistry. This course does not include a lecture. Prerequisite: CHEM 2300.

CHEM 2300 General Chemistry I/Lab (4 credits) Basic chemical calculations, periodicity, bonding, inorganic reactions, and kinetics. First half of General Chemistry Continuum. Includes laboratory sessions. Prerequisites: MATH 1200 and a passing grade on the chemistry placement or MATH 1200 and CHEM 1100.

CHEM 2310 General Chemistry II/Lab (4 credits) Continuation of General Chemistry Continuum including thermodynamics, acid-base reactions, electrochemistry, and nuclear chemistry. Includes laboratory sessions. Prerequisites: CHEM 2300.

CHEM 2320 General Chemistry I (3 credits) Basic chemical calculations, periodicity, bonding, inorganic reactions, and kinetics. First half of General Chemistry Continuum. This course does not include a lab. Prerequisites: MATH 1200 and CHEM 1100, or satisfactory score on chemistry placement exam.

CHEM 2330 General Chemistry II (3 credits) Continuation of a General Chemistry Continuum including thermodynamics, acid-base reactions, electrochemistry, and nuclear chemistry. This course does not have a lab. Prerequisite: CHEM 2300.

CHEM 3190 Essentials of Organic Chemistry (3 credits) A one-semester study of the structure, nomenclature, preparation, properties, and reactions of organic compounds, organized by functional groups and reaction mechanisms. This course does not include a lab.

CHEM 3200 Essentials of Organic Chemistry (4 credits) A one-semester study of the structure, nomenclature, preparation, properties, and reactions of organic compounds, organized by functional groups and reaction mechanisms. Includes laboratory sessions. Prerequisite: CHEM 2310.

CHEM 3210 Essentials of Organic Chemistry/Lab (1 credit) A one-semester lab study of the structure, nomenclature, preparation, properties, and reactions of organic compounds, organized by functional groups and reaction mechanisms. This class does not include a lecture.

CHEM 3240 Bio-Organic Chemistry (3 credits) Introduction to structure, properties, and reactions of major organic chemical groups with emphasis on those important in biochemical processes, biological macromolecules, and basics of carbohydrate, lipid, and protein metabolism. This course does not include a lab. Prerequisite: CHEM 2310.

CHEM 3250 Bio-Organic Chemistry/Lab (4 credits) Introduction to structure, properties, and reactions of major organic chemical groups with emphasis on those important in biochemical processes, biological macromolecules, and basics of carbohydrate, lipid, and protein metabolism. Includes laboratory sessions. Prerequisite: CHEM 2310.

CHEM 3280 Organic Chemistry I (3 credits) The chemistry of carbon compounds, including their structure, nomenclature, preparation, reactions, analysis and properties. Reaction mechanisms are stressed, within a functional group framework. This course does not include a lab. Prerequisite: CHEM 2310.

CHEM 3290 Organic Chemistry II (3 credits) Continuation of Organic Chemistry I. This course does not include a lab. Prerequisite: CHEM 3300.

CHEM 3300 Organic Chemistry I/Lab (4 credits) The chemistry of carbon compounds, including their structure, nomenclature, preparation, reactions, analysis, and properties. Reaction mechanisms are stressed within a functional group framework. Includes laboratory sessions. Prerequisite: CHEM 2310.

CHEM 3310 Organic Chemistry II/Lab (4 credits) Continuation of CHEM 3300, Organic Chemistry I/Lab, includes laboratory sessions. Prerequisite: CHEM 3300.

CHEM 3320 Organic Chemistry I Lab (1 credit) Laboratory session covering the chemistry of carbon compounds, including their structure, nomenclature, preparation, reaction, analysis, and properties. Reaction mechanisms are stressed within a functional group framework. This course does not include a lecture.

CHEM 3330 Organic Chemistry II Lab (1 credit) Continuation of Organic Chemistry I laboratory session. This course does not include a lecture. Prerequisite: CHEM 3290.

CHEM 3500 Environmental Chemistry (3 credits) This course introduces the principles and chemical processes that control chemical reactions in natural systems. Precipitation, complexation, redox, and absorption will be applied to aquatic, marine, terrestrial, and atmospheric systems. Examples will cover wastewater treatment, pollutant fates, and assessment of environmental outcomes. Prerequisites: CHEM 3200 or CHEM 3300.

CHEM 3600 Geochemistry (3 credits) This course is an introduction to geochemistry. Geochemistry involves the study of the chemical composition of the entire Earth, the differentiation of the chemistry of different parts of the Earth, and the description of the formation, distribution, and physical and chemical characteristics of the materials that make up the Earth. How the age of the Earth is determined and how processes occurring on the Earth are studied using chemical indicators will be introduced. Comparisons of differing models for the geochemistry of the Earth will be introduced and evaluated. The course will conclude with how human activity impacts the chemical environment of the Earth. Prerequisites: CHEM 2310.

CHEM 3999 Prior Learning Credit in Chemistry (1-12 credits) This course number and prefix indicate award of upper-level

undergraduate prior learning credit in chemistry. This course is repeatable up to 12 credits. Prerequisite: approval of director.

CHEM 4100 Chemical Analysis (3 credits) This is an applied chemistry course designed to emphasize the typical analytical methods used in chemistry. The course will focus on wet chemical analysis and chemical instrumentation. Classical wet methods such as titrimetry, gravimetry, ion exchange, chromatography, potentiometry, and electrochemistry will be supplemented with more modern analytical instrumental methods such as UV-visible spectrophotometry, FT-IR, GC, fluorimetry, and atomic spectroscopy (absorption and emission). The course will also provide a background in quality assurance and quality control. A sound understanding of the process of error minimization will also be provided. Prerequisites: CHEM 3310 or CHEM 3200.

CHEM 4200 Plant Drug Analysis (3 credits) This course introduces the chemical techniques used to extract, separate, and identify medicinal drugs derived from plants. Eleven major drug classes-essential oils, alkaloids, anthracene derivatives, argutin, bitter principle, coumarin, flavinoids, cardic glycoside, saponin, pungent principle, and mustard oil will be covered. The course also examines the botanicals they are derived from. By the end of the course, the student is expected to execute a qualitative screening of an unknown drug and identify its class and the major pharmaceutical components present. Prerequisites: CHEM 2300, CHEM 2310 and CHEM 3300 or CHEM 3200.

CHEM 4300 Clinical Chemistry (3 credits) This course examines the application of chemistry and biochemistry to the diagnosis of human disease. Clinical laboratory scientists (also known as medical technologists) perform chemical, microbiological, and immunological tests on body fluids in a medical laboratory. The results of these tests are used by physicians and clinicians in preventing, diagnosing, and treating disease. This course will review these techniques as they apply to diagnosis and treatment of disease, organ transplants, therapeutic drug monitoring, crime investigation, genetic studies, and home testing kits. The impact of technology on the application of clinical chemistry will also be examined. Prerequisites: CHEM 3200 and 3310.

CHEM 4400 Bio-Inorganic Chemistry (3 credits) This course gives the advanced undergraduate student an overview of metal sites in biology, i.e. those aspects of inorganic chemistry that are of relevance to biochemistry. Metalloproteins will be viewed as elaborated inorganic complexes. Topics discussed will include the basic ideas on bonding in coordination compounds, unique features of the protein ligand, physical methods used to study active sites, and the correlation of the structures of these sites to their biological function. Prerequisite: BIOL 1500 and CHEM 2310.

CHEM 4900 Special Topics in Chemistry (1-3 credits) Topics in advanced or special applications of chemistry that are not covered in General or Organic Chemistry. Prerequisites may be required. Specific content and prerequisites are announced in the course schedule for the given term. Students may reenroll for special topics covering different content.

CHEM 4950 Internship in Chemistry (1-12 credits) A work experience for 16 weeks in the student's major area of study or area of career interest. Consult academic division for specific details and requirements. Prerequisites: cumulative GPA of 2.5 or higher, major GPA of 3.0 or higher, completion of 60 or more credit hours, supervision of instructor, and permission of academic director.

CHEM 4990 Independent Study in Chemistry (1-12 credits) The student selects, and carries out independently, library and/or empirical research. Faculty supervision is provided on an individual basis. Prerequisite: to be determined by the faculty and division director.

COMM

COMM 1999 Prior Learning (1-12 credits) This course number and prefix indicate award of lower-level undergraduate prior learning credit in communication. This course is repeatable up to 12 credits.

COMM 2100 Mass Media (3 credits) An examination of the impact of technology on the way we receive and process information and images, the basic legal and economic structure of the mass media, historical precedents and events of mass media, the new cultural forms that have emerged with the mass media, and the nature and implications of developing media technologies. Prerequisite: COMP 1500.

COMM 2200 Introduction to Broadcast Journalismm (3 credits) Training in the elements of broadcast reporting with emphasis on the modern electronic news story. Students will learn the elements of broadcast news, the style and structure of broadcast news writing, and the technology of radio productions. Prerequisite: COMP 1500.

COMM 2300 Intercultural Communication (3 credits) The purpose of this course is to develop an understanding of communication across cultural boundaries and the role of diversity in interpersonal, public, and mass communication. Students will study communication differences across cultures and the importance of being rhetorically sensitive when communicating with diverse audiences. Prerequisite: COMP 1500

COMM 3050 Performance Studies (3 credits) This course offers students an opportunity to examine the many genres of cultural performance theatre, dance, music, ritual, visual art, performance art, community activism, storytelling, public gatherings, etc. The course challenges students to observe social customs and gain a global understanding of culture and performance through readings, workshop performances, and lectures. Prerequisite: SPCH 1010, 2020, or 2030; and COMP 2000, 2010, or 2020.

COMM 3100 Gendered Images in Pop Culture (3 credits) This course examines gendered images in popular media other than literature, including film, music videos, television, and comic books, and their impact on mainstream America. Prerequisite: one GEST or COMM course; and COMP 2000, 2010 or 2020.

COMM 3110 Communication Theory (3 credits) This course focuses on different theories of communication at the levels of interpersonal, public, and mass communication. Students will learn numerous perspectives on the role and value of human interaction from fundamental communication theories and models to contemporary theoretical approaches for understanding the connection between human communication and human behavior. Prerequisite: one COMM course; and COMP 2000, 2010, or 2020.

COMM 3120 Speech Communication for the Professions (3 credits) Emphasis on public communication skills required of the person in business or other professions. Topics include public speaking, conference speaking visual and audio aids, listening and public interviews.

COMM 3999 Prior Learning (1-12 credits) This course number and prefix indicate award of upper-level undergraduate prior learning credit in communication. This course is repeatable up to 12 credits.

COMM 4900 Special Topics in Communication (3 credits) This course offers a cross-sectional view of the media through a focus on a particular medium, theme, or genre. Specific focus to be announced. May be repeated once for credit, if content changes and with written consent of division director. Prerequisite: one COMM course; and COMP 2000, 2010 or 2020.

COMM 4950 Internship in Communication (1-12 credits) A 10-20 hour per week field or work experience for 16 weeks (or more) in the student's major area of study. Consult academic division for specific

details and requirements. Prerequisite: cumulative GPA of 2.5 or higher, completion of 60 or more credit hours, and permission of division director.

COMM 4990 Independent Study (3 credits) The student selects, and carries out independently, library and/or empirical research. Faculty supervision is provided on an individual basis. Written consent of instructor and division director required. Prerequisite: one COMM course; and COMP 2000, 2010, or 2020.

COMP

COMP 1000 Basic Writing (3 credits) A writing workshop emphasizing basic writing skills such as mechanics, organization, and critical reading. The course focuses primarily on the writing process; grammar; and the production of clear, well-structured essays. This course prepares students for COMP 1500.

COMP 1500 College Writing (3 credits) A writing workshop with instruction in the principles and skills of argumentation and critical reading. Students will receive instruction in basic methods of research and documentation of sources and in computer use. Prerequisites: SAT Verbal score of 520, ACT English score of 22, a TOEFL score of 650 (paper) or 280 (computer), a passing Writing Challenge Exam, or COMP 1000.

COMP 1500H College Writing Honors (3 credits) A writing workshop with instruction in the principles and skills of argumentation and critical reading. Students will receive instruction in methods of research and documentation of sources and in computer use. Prerequisite: SAT verbal score of 520, ACT English score of 22, a TOEFL score of 650 (paper) or 280 (computer), a passing score on the Writing Challenge Exam, or COMP 1000. Honors students only.

COMP 1999 Prior Learning (1-12 credits) This course number and prefix indicate award of lower-level undergraduate prior learning credit in composition. This course is repeatable up to 12 credits.

COMP 2000 Advanced College Writing (3 credits) A writing workshop with advanced instruction in argumentation as it applies in various professional settings. The course also includes additional instruction in critical reading, research, and writing. Prerequisite: COMP 1500.

COMP 2000H Advanced College Writing Honors (3 credits) A writing workshop with advanced instruction in argumentation as it applies in various professional settings. The course also includes additional instruction in critical reading, research, and writing. Prerequisite: COMP 1500. Honors students only.

COMP 2010 Introduction to Journalism (3 credits) A writing workshop with advanced instruction in the forms, methods, and styles of new writing. Students will engage in the process of putting out an undergraduate newspaper. The course also includes additional instructional in critical reading, research, and writing. Prerequisite: COMP 1500.

COMP 2020 Writing About Literature (3 credits) A writing workshop that provides advanced instruction in argumentation and an introduction to literary genres that may include poetry, fiction, drama, and essays. Prerequisite: COMP 1500.

CRJU

CRJU 1100 Introduction to Criminal Justice (formerly CRJU 2300) (3 credits) This course includes an overview of the agencies and individuals that comprise the American criminal justice system. Students will examine the theories that seek to explain the "causes" and "cures" of crime. The major focus is on the development and operation of law enforcement courts, and corrections. Topics include history, structure, functions, and philosophy of the criminal justice system and their relationship to life in our society.

CRJU 1200 Criminal Law (formerly CRJU 2200) (3 credits) This course covers the study of both substantive criminal law and criminal procedure. Students learn the elements of major crimes and defenses. Students also examine the constitutional aspects of criminal procedure, including searches, seizures, and arrests; interrogation; the pretrial process; trial; sentencing and appeal. Topics include sources of substantive law, classification of crimes, parties to crime, elements of crimes, and matters of criminal responsibility.

CRJU 1999 Prior Learning Criminal Justice (1-12 credits) This course number and prefix indicate award of lower-level prior learning credit in Criminal Justice. This course is repeatable up to 12 credits.

CRJU 2000 Constitutional Issues (formerly CRJU 3000) (3 credits) This course will provide a general review of the U.S. Constitution and Bill of Rights, inclusive of the constitutional basis for criminal law in the United States. Also covered is the impact of the Constitution of the United States and its amendments relating to the criminal justice system. Topics include the structure of the Constitution and its amendments and court decisions pertinent to contemporary criminal justice issues. Prerequisite: CRJU 1100 (formerly CRJU 2300) or CRJU 1200 (formerly CRJU 2200)

CRJU 2100 Policing (3 credits) This course covers the historical development of policing, current trends, education, training, models of policing and ethical implications. Students will explore the role that police play in society as well as their relationship with the communities that they serve. Additionally, various levels of law enforcement will be reviewed, including federal police agencies. Prerequisite CRJU 1100 (formerly CRJU 2300) or CRJU 1200 (formerly CRJU 2200)

CRJU 3100 Juvenile Delinquency (formerly 4100) (3 credits) An orientation to the issues, policies and procedures which make up the juvenile justice system. This course will cover the historical and theoretical principals of juvenile justice, including the functions and legal responsibilities of the police, probation, juvenile court, and the juvenile corrections system in the United States. Emphasis will be placed on the social forces that cause children to be a product of the juvenile system. Prerequisite: CRJU 1100 (formerly CRJU 2300) or CRJU 1200 (formerly CRJU 2200).

CRJU 3300 Corrections in America (formerly CRJU 3200) (3 credits) An analysis of the field of corrections with an in-depth view of the major components of the field. Emphasis is on the system of corrections, history and use of punishments, the practice of corrections, institutional custody, community-based corrections, probation and parole, the correctional client and the death penalty. Special attention will be given to trends in incarceration rates, including race, ethnicity, sex, and type of offense. Prerequisite: CRJU 1100 (formerly CRJU 2300) or CRJU 1200 (formerly CRJU 2200)

CRJU 3999 Prior Learning in Criminal Justice (1-12 credits) This course number and prefix indicate award of upper-level undergraduate prior learning credit in Criminal Justice. This course is repeatable up to 12 credits.

CRJU 4000 Victimology (3 credits) This course will examine the institutional and social factors that are relevant to the study of victims of crime. This includes an examination of the definition of a victim, crime, and a historical review of the role of the victim in the criminal justice system. Also covered will be issues and developments in the field of victimology in legal process. Prerequisite: CRJU 1100 (formerly CRJU 2300) or CRJU 1200 (formerly CRJU 2200)

CRJU 4300 Criminology (3 credits) This course is designed to familiarize students with basic research methodology in criminal justice and criminology. Specifically, students will examine the scientific study of crime and criminals. Throughout the course various

topics will be covered, including defining and measuring crime, contemporary crime patterns, types of crime, and theories of criminal behavior. Prerequisite: CRJU 1100 (formerly 2300) or CRJU 1200 (formerly 2200)

CRJU 4950 Internship in Criminal Justice (1-3 credits) A 10-20 hour per week, paying or nonpaying work experience for 16 weeks (or more) in the student's major area of study. Consult academic division for specific details and requirements. Prerequisites: cumulative GPA of 2.5 or higher, completion of 36 or more credit hours, and permission of academic director.

CRJU 4990 Independent Study in Criminal Justice (1-3 credits) The student selects and carries out independently library and/or empirical research. Faculty supervision is provided on an individual basis. Prerequisite: CRJU 1100 (formerly CRJU 2300) or CRJU 1200 (formerly CRJU 2200) and written consent of instructor and division director.

CSAD

CSAD 2000 Introduction to Hearing, Speech, and Language (3 credits) Understanding of speech, language, and hearing disorders and their classifications, manifestations, and etiologies.

CSAD 3010 Phonetics (3 credits) History, theory, and application of phonetics, including sampling and transcriptiontechniques.

CSAD 3020 Anatomy and Physiology of the Speech and Hearing Mechanisms (3 credits) Introduction to the anatomy and physiology of the auditory and vocal mechanisms.

CSAD 3030 Speech and Language Development (3 credits) Study of prelinguistic and psycholinguistic variables related to normal development from infancy through adolescence.

CSAD 3040 Neuroanatomy (3 credits) Introduction to the anatomy and physiology of the developing and mature human nervous system.

CSAD 3050 Hearing and Speech Science (3 credits) Physical bases and process of the production and perception of hearing, language, and speech.

CSAD 3060 Directed Observation (1 credit) Twenty-five hours of observations, evaluation, and management of clients, and class discussion of observations of evaluation and management of clients.

CSAD 4010 Evaluation of Speech and Language Disorders (3 credits) Principles of screening and evaluation of clients typically seen in clinic and school settings, including administration of specific evaluation instruments.

CSAD 4020 Evaluation Practicum (1 credit) Participation in speech-language screenings, and observation and participation in full diagnostic evaluations with clients. A minimum number of contact hours required.

CSAD 4030 Treatment of Speech and Language Disorders (3 credits) Overview of treatment strategies used in management of communication disorders.

CSAD 4040 Treatment Practicum (1 credit) Participation in clinical management of clients having communication disorders. A minimum number of contact hours required.

CSAD 4050 Audiology (3 credits) Instruction in test administration and in interpretation o standard and specialized tests of auditory function. Prerequisites: CSAD 3020, CSAD 3040, and CSAD 3050.

CSIS

CSIS 1400 Discrete Mathematics (3 credits) An introduction to the concepts and techniques of discrete mathematical structures that are used in the theory and application of computer science and computer information systems. Topics covered include logic, set theory, relations, functions, recurrence relations, matrices, algebraic structures, graph theory, trees, and Boolean algebra. Prerequisites: MATH 2080 (CIS major) or MATH 2100 (CS majors); TECH 1110.

CSIS 1600 Logic Design (3 credits) This course will give the student an introduction to the basic fundamentals and elements of logic design. The course covers number theory, fundamentals of Boolean algebra state diagrams, combinational and sequential circuits, and design techniques with logic array components. Prerequisites: MATH 2080 and TECH 1110.

CSIS 1800 Introduction to Computer and Information Sciences (3 credits) An introductory course to study computer systems layer by layer. The material covers Information Layer, Hardware Layer, Programming Layer, Operating Systems Layer, Application Layer, and Communication Layer. Each layer is covered in great detail and the concepts are supplemented by real examples. Prerequisites: TECH 1110 and MATH 2080.

CSIS 1900 Computer Programming I (4 credits) This course provides an introduction to the principles of computer science by program development in the context of C/C++ environments. Major topics to be covered in this class are: tokens, syntax, semantics, function definitions, function applications, conditional selection statements, iteration statements, arrays, files, classes, methods, and pointers, all through program development. Prerequisites: MATH 2080 or MATH 2100 and TECH 1110.

CSIS 1999 Prior Learning Credit in Computer Science (1-12 credits) This course number and prefix indicate award of lower-level undergraduate prior learning credit in computer science. This course is repeatable up to 12 credits. Prerequisite: approval of director.

CSIS 2000 Introduction to Database Systems (3 credits) This course will give students an introduction to structured query language (SQL), object definition language (ODL) and object query language (OQL). The course surveys relational, object-oriented, distributed, and multimedia database systems. This course also covers concepts and structures necessary to design and implement a database system, including logical and physical file organization and data organization techniques. Students will build, populate, query, and write transactions for a relational database. Prerequisites: MATH 2080 and TECH 1110.

CSIS 2200 Business Oriented Language (COBOL) (4 credits) A study of the COBOL programming language with emphasis on business applications. Students apply a structured, multiphase development process that features a series of steps involving understanding of problems, formal problem definition, design methodologies, program specification, breakdown, and files using COBOL. Prerequisites: CSIS 1400 and CSIS 1900.

CSIS 2310 Advanced Cobol (3 credits) A study of advanced COBOL programming using structured techniques. Topics to be covered include table handling, sequential and indexed file processing, database access, editing, sorting, and the Report Writer. Prerequisite: CSIS 2200.

CSIS 2410 Assemblers and Assembly Language Programming (4 credits) A detailed analysis of the operations of assemblers. Assembler features, assembly language programming, and marc facilities. Assembly language programs will be written as part of this course. Prerequisites: CSIS 1400 and CSIS 1900.

CSIS 2950 Computer Programming II (4 credits) Computer Programming II continues to focus on the main topics of computer

science including the design and implementation of algorithms and data structures. Intermediate and advanced concepts of computer programming using the JAVA programming language are covered. Prerequisites: CSIS 1400 and CSIS 1900.

CSIS 3010 Organization of the Computer Environment (3 credits) Management of the computer environment, personnel, customer interface, budgeting, coordination, policy development, staffing, department interface, hardware and software selection planning, maintenance, and management. Prerequisite: CSIS 1900.

CSIS 3020 Web Programming Design (3 credits) This course will introduce the essentials of Internet programming. Students will design and write WWW pages in HTML, JavaScript, and shell scripting languages. Programs will manipulate many forms of data including hypertext, graphics, audio, and video. Students will develop interactive/executable Web pages. Other topics covered will include clickable image maps, cgi-bin scripting, and security. Prerequisites: CSIS 2950.

CSIS 3023 Legal & Ethical Aspects of Computers (3 credits) This course focuses on issues that involve computer impact and related societal concerns. Topics covered include computer ethics, computer crime, software ownership, privacy risk management, professional codes, transborder data flow, Telecommunications Act of 1996, the national computer policies of other nations and the status of regulation and emerging standards.

CSIS 3060 Digital Design (3 credits) Register transfer-level design of digital computers, data transfer hardware, organization of the central processing unit, design of the controller, and a complete design example. Prerequisite: CSIS 2410.

CSIS 3080 Cooperative Education (0 credits) Work placement for a period of 16-18 weeks. Placement will be directly related to the student's program of study.

CSIS 3110 Foundations of Computer Science (4 credits) Included are the mechanization of abstraction in computer science, prepositional logic and predicate logic, induction versus recursion, countable and non-countable sets, finite state automata and regular expressions, pushdown automata and context-free languages, Turing machines, decidability and computability, and computational complexity. Prerequisites: CSIS 1900 and MATH 2100.

CSIS 3200 Organization of Programming Language (3 credits) Development of an understanding of the organization of programming languages, introduction to formal study of programming language specification and analysis, comparison of two or more high-level modern programming languages. Prerequisite: CSIS 2950.

CSIS 3400 Data Structures (4 credits) A course in fundamental data structures and their application. Advanced data structure concepts are developed including linked data representation, pointers, binary trees, B trees, AVL trees, queues, stacks, hashing, searching, directed and undirected graphs, and priority queues. Recursive algorithms are investigated. Quantitative analysis of algorithms is employed. Advanced sorts are studied and analyzed for order of magnitude. Abstract data types are introduced. Prerequisite: CSIS 2950.

CSIS 3500 Networks and Data Communication (3 credits) An introduction to basic computer-driven data communications. The protocols, services, interfaces and platforms for the transmission of data on networks are investigated. The integration of homogeneous and heterogeneous networks is developed: bridges, routers, and gateways. The OSI architecture is defined. The topology of network architecture is covered and the details of connection and connection-less service, dedicated and switched circuits, access, error detection, and correction are explained. Prerequisite: CSIS 2950 and MATH 3020.

CSIS 3530 Artificial Intelligence (3 credits) Introduction to the basic concepts and techniques of AI and expert systems. Topics include logic, problem solving, knowledge and representation methods, reasoning techniques, search strategies, and heuristic methods applied in AI and expert systems. Techniques for natural language processing, modeling, and pattern matching are developed. Symbolic languages like Scheme and Prolog are used. Prerequisites: CSIS 3400 and MATH 3020.

CSIS 3610 Numerical Analysis (3 credits) An implementation course using C/C++ that devises methods for approximating solutions to mathematically expressed problems derived from physical phenomena. Topics include linear and nonlinear systems of equations and producing solutions within specified tolerance for a sequence of algebraic and logical operations. Prerequisites: CSIS 3400 and MATH 2200.

CSIS 3750 Software Engineering (4 credits) An introduction to the process of developing software systems. Topics include software life-cycle models, quality factors, requirements analysis and specification, software design (functional design and object-oriented design), implementation, testing, and management of large software projects. Prerequisite: CSIS 3400.

CSIS 3800 Survey of Operating Systems (3 credits) The material for comparing and contrasting the different design and implementation aspects used in contemporary operating systems is the main topic of this course. History of operating systems, operating system concepts, system calls, operating system structure, processes, input/output, memory management, file systems, protection mechanics, and security are discussed. Six of the operating systems that had great importance in the 1990s, namely UNIX systems, MS-DOS, OS/2, Windows NT, the Apple Macintosh, MVS, and VM will be surveyed. Prerequisites: CSIS 3400.

CSIS 3810 Operating Systems Concepts (3 credits) Methods in the analysis and design of large-scale systems, including concepts of semaphores, processes, linear address space, resource allocation, protection, basic topics in operating system development. Prerequisites: CSIS 3400 and MATH 2200.

CSIS 3999 Prior Learning Credit in Computer Science (1-12 credits) This course number and prefix indicate award of upper-level undergraduate prior learning credit in computer science. This course is repeatable up to 12 credits. Prerequisite: approval of director.

CSIS 4010 Computer Security (3 credits) Issues of security, privacy, and control from the viewpoint of the computer user. Emphasis on procedures for protecting systems from unauthorized use, theft, vandalism, and natural disasters. Ethical issues in computer usage are covered. Prerequisites: CSIS 3810.

CSIS 4050 Computer Architecture (3 credits) A structured approach to the architecture of computers is covered as the interrelation of software and hardware design: logic level, machine level, operating system level, and assembly language level. CISC/RISC and parallel architectures are introduced. Prerequisites: CSIS 2410, CSIS 3810 and PHYS 2500.

CSIS 4310 Distributed Data Processing (4 credits) Concepts and mechanisms in the design of distributed systems; process synchronization, reliability, distributed resource management, deadlock, and performance evaluation. Case studies of selected distributed systems are covered. Prerequisites: CSIS 3500 and CSIS 3400.

CSIS 4350 Robotics (3 credits) Principles and concepts of modern robots and automated systems are developed: robot's intelligence, drive methods, motion control, and software and hardware support. Prerequisite: requires senior standing.

CSIS 4530 Database Management (3 credits) Concepts and structures necessary to design and implement a database system, including logical and physical file organization and data organization techniques, data models, networks, data integrity, and file security.

Topics covered include logical and user's viewpoint, theoretical foundations, and physical system implementation. Prerequisites: CSIS 3400.

CSIS 4600 Systems Programming (4 credits) A study of various system-programming techniques, hardware-software interface, and software-controlled hardware. A comparison of several existing computer systems will be made. Prerequisites: CSIS 2410 and CSIS 3400.

CSIS 4610 Design and Analysis Algorithms (3 credits) Topics include algorithmic paradigms such as divide-and-conquer, greedy methods, and concepts relating to analysis such as asymptotic notation and NP-completeness. Sorting and searching algorithms are designed and analyzed, as are algorithms for manipulating trees, graphs, and sets. Prerequisites: CSIS 3400 and MATH 2200.

CSIS 4650 Computer Graphics (3 credits) An introduction to the principles of interactive computer graphics. Topics include fundamentals of raster graphics (scale-conversion, clipping, fill methods, and anti-aliasing), 2D and 3D transformations, projections, 3D modeling, hidden surface removal methods, ray tracing, and graphical user interfaces. The hardware of graphic environment is defined and new development platforms for graphics in windows are investigated. Prerequisite: CSIS 3400.

CSIS 4710 Embedded Computing (3 credits) This course deals with applications in the design of microcomputer/microprocessor-based embedded systems. Students will develop the ability to define the problem first, then build and test the system. Prerequisites: CSIS 3810 and CSIS 4050.

CSIS 4800 Introduction to Compilers and Interpreters (3 credits) An introduction to compiler/interpreter design. Topics include lexical analysis, parsing, intermediate code, final code generation, optimization, and error recovery. Prerequisites: CSIS 3110 and CSIS 3400.

CSIS 4840 Unix Operating System Environment (3 credits) The concepts of the UNIX operating system are presented. Topics include system commands, system editors, awk, set, text formatting tools, and shell programming. The use of modem and terminal software and system maintenance utilities are covered as well as system calls in C, LEX, YACC, AR, and make. Prerequisites: CSIS 2950.

CSIS 4880 Special Topics in Computer Science (3 credits) Topics in computer science that are not included in regular course offerings. Specific contents are announced in the course schedule for a given term. Prerequisites: requires senior standing and consent of instructor.

CSIS 4890 Special Topics in Computer Information Systems (3 credits) Topics in computer information systems that are not included in regular course offerings. Specific contents are announced in the course schedule for a given term. Prerequisites: requires senior standing or consent of instructor.

CSIS 4900 Directed Project (3-8 credits) A major project will be completed by the student under the direction of a faculty member.

CSIS 4950 Internship in Computer Science and Information Systems (1-12 credits) A work experience for 16 weeks in the student's major area of study or area of career interest. Consult academic division for specific details and requirements. Prerequisites: cumulative GPA of 2.5 or higher, major GPA of 3.0 or higher, completion of 60 or more credit hours, supervision of instructor, and permission of academic director.

ENVS

ENVS 1100 Environmental Science I (3 credits) Environmental Science I provides students with a broad overview of a highly interdisciplinary subject by examining how man can best live with Earth's environment. The first semester concentrates on the biological nature of environmental science: NIMBY, environmental justice, eco-feminism, biological communities, biodiversity, population, food, and hunger.

ENVS 1101 Environmental Science I Lab (1 credit) The laboratory series connects science with teaching and the real world. Students are taught how to convert scientific themes into investigative packs for the curious nature of the middle school student. The course will be taught in a format that utilizes easily accessible equipment and supplies and that uses resources generally available within the community. Laboratory exercises connect environmental science with ecology, human population problems, biodiversity, soils, food, hunger, and nutrition.

ENVS 1200 Environmental Science II (3 credits) Environmental Science II provides students with a broad overview of a highly interdisciplinary subject. The course examines how man can best live with the Earth's environment. The second semester concentrates on the issues surrounding the physical nature of environmental science: air and water urbanization, toxic waste, natural resource management, law, and politics.

ENVS 1201 Environmental Science II Lab (1 credit) The laboratory series connects science with teaching and the real world. Students are taught how to convert scientific themes into investigative packs for the curious nature of the middle school student. The course will be taught in a format that utilizes easily accessible equipment and supplies and that uses resources generally available within the community. Laboratory exercises connect environmental science with drinking water, air and water pollution, recycling and garbage, household and toxic chemicals, as well as energy resources.

ENVS 1999 Prior Learning Credit in Environmental Science (1-12 credits) This course number and prefix indicate award of lower-level undergraduate prior learning credit in environmental science. This course is repeatable up to 12 credits. Prerequisite: approval of director.

ENVS 3100 Environmental Issues (3 credits) Environmental Issues is designed to teach students that most of today's issues in environmental science are highly controversial and that advocating a policy stand on an environmental concern requires the balancing of the pros and cons of an issue. Several current areas will be introduced in an unbiased manner. The students will gain experience taking sides and debating issues by presenting objective perspectives on environmental topics. Examples of questions to be covered include the following: Is limiting population growth a key factor in protecting the global environment? Should the new clean water act aim for "zero" discharge? Should recycling efforts be expanded? Are aggressive international effects needed to slow global warming? This course will complement the "oral communication" class which students will take during the same semester.

ENVS 3101 Introduction to Public Health (3 credits) This course provides an introduction to the concepts, values, principles, and practice of public health. This course is taught via WebCT.

ENVS 3201 Environment, Culture, Ethnicity & Health (3 credits) This course introduces students to skills and insights necessary in promoting health in diverse populations. Issues discussed include the need for effective communication with understanding of cultural factors and how they impact on preventive efforts, health care status and utilization patterns on the health care system and expenditures. The course also explores traditional modalities of health maintenance among various populations.

ENVS 3999 Prior Learning Credit in Environmental Science (1-12 credits) This course number and prefix indicate award of upper-level undergraduate prior learning credit in environmental science. This course is repeatable up to 12 credits. Prerequisite: approval of director.

ENVS 4002 Health Promotion and Disease Prevention (3 credits) Students learn health educational strategies that can be incorporated into multiple settings focusing on wellness and preventive interventions. This course addresses individual and social factors as well as behavioral issues, health detriments and community resources. Prerequisite: ENVS 3020.

ENVS 4210 Environmental Epidemiology (3 credits) Examines the history, principles, and uses of epidemiology for understanding and control of health and disease in relation to human environments. Emphases in this survey course include the natural history, prevention, and control of diseases, as well as monitoring and outbreak investigations. Prerequisites: BIOL 1400 or BIOL 2400 or BIOL 3400

ENVS 4300 Industrial Ecology (3 credits) Industrial ecology is a new way of thinking about economy-environment interaction. To provide a suitable and sustainable quality of life, increased (rather than less) reliance on new technologies will be required. Industrial ecology is the means by which humanity can deliberately and rationally approach and maintain a desirable carrying capacity given continued economic, cultural, and technological evolution. The concept requires that an industrial system be viewed not in isolation from its surrounding systems, but in concert with them. It requires familiarity with industrial activities, environmental processes, and societal interactions. This course will unite many of the concepts learned throughout the degree program. It is a subject that acknowledges the interdisciplinary nature of environmental issues and maintains that one solution (the industrial one) lies in uniting the new generation of engineers, scientists, business people, and public policy experts such that we enter a new century with an environmental ethic guiding each business decision. Topics considered will include the minimizing of energy-intensive process steps in manufacturing, the reduction of residues, and the importance of designing, building, maintaining, and recycling products in such a way that they impose minimal impact on the wider world. Prerequisite: MATH 3020.

ENVS 4310 Environmental Health (3 credits) Environmental Health examines a multidisciplinary field. The study of environmental health sciences is concerned with the impact of environmental conditions on human health. Particular attention is given to the health effects in human populations that can arise from exposures to agents (chemical, biological, physical) through the air they breathe, the water they drink, and the food they eat. Prerequisite: ENVS 3101

ENVS 4950 Internship in Environmental Science and Study (1-12 credits) A work experience for 16 weeks in the student's major area of study or area of career interest. Consult academic division for specific details and requirements. Prerequisites: cumulative GPA of 2.5 or higher, major GPA of 3.0 or higher, completion of 60 or more credit hours, supervision of instructor, and permission of academic director.

FILM

FILM 2000 Introduction to Film (3 credits) This course focuses on understanding film as an art form through examining its history and stylistic elements. Emphasis will be on technological, aesthetic, and social elements of film; various genres and periods in film will be studied, along with the application of techniques and criticism and evaluation to film. Prerequisite: COMP 1500.

FILM 3040 Women and Film (3 credits) This course focuses on the application of film to examine how gendered images construct and marginalize women in both mainstream and independent cinema. Prerequisite: one FILM course; and COMP 2000, 2010 or 2020.

FILM 3050 Literature and Film (3 credits) This course focuses on the adaptation of literary texts into film texts. Emphasis will be on the process and consequences of literary adaptation into film and the similarities and differences between the reading and analysis of literary texts and film texts. Prerequisite: one FILM course; and COMP 2000, 2010, or 2020.

FILM 3060 Film Noir (3 credits) This course focuses on film noir, a series of films from the 1940's and 1950's that share characteristics of complex narrative, expressionistic photography, alienated characters, and psychological themes. Emphasis will also be on the study of the way these films were influenced by social, political, and economic factors of the time. Prerequisite: one FILM course, and COMP 2000, 2010, or 2020

FILM 4000 History of Film (3 credits) This course focuses on the history of film, from the silent era to the modern, digital era. Emphasis will be on the technological developments of film science, and the historical and social contexts that influenced the production of film over the last century. Prerequisite: one FILM course; and COMP 2000, 2010 or 2020.

FILM 4500 Major Directors (3 credits) This course examines the life and work of a major film director from a variety of critical perspectives and using a variety of films. Directors that may be focused on include Alfred Hitchcock, Stanley Kubrick, Martin Scorsese, and Woody Allen. Prerequisite: one FILM course; and COMP 2000, 2010, or 2020.

FILM 4900 Special Topics in Film (3 credits) Topics, which vary from year to year, may include a study of film in relation to a specific field (politics, philosophy, history), an exploration of a particular genre of film (comedy, western, musical, crime), or period (silent film). Specific focus to be announced. May be repeated once for credit, if content changes and with written consent of division director. Prerequisite: one FILM course; and COMP 2000, 2010, or 2020.

GEOG

GEOG 1999 Prior Learning Credit in Geography (1-12 credits) This course number and prefix indicate award of lower-level undergraduate prior learning credit in geography. This course is repeatable up to 12 credits. Prerequisite: approval of director.

GEOG 2050 Survey Of Geography (3 credits) Study of geographic characteristics, area relationships, and major regional problems, and their impact on the Western world. Study of physical, human, economic, and political resources.

GEOG 2260 Geography of Natural Resources (3 credits) Study of natural resources within the framework of the man-environment system. Included are problems related to pollution, populations, technology, growth, conservation of the environment, and developmental planning as they relate to the various geographic areas of the Western world and the non-Western world.

GEOG 2900 Special Topics in Geography (1-3 credits) Topics in geography that are not included in regular course offerings and may be taken without prerequisites. Specific content is announced in the course schedule for a given term. Students may reenroll for special topics covering different content.

GEOG 3000 Geography of Ecotourism (3 credits) Geography of Ecotourism examines physical and cultural attributes of countries and regions in the context of tourism. A general emphasis provides a broad overview of tourism around the world, but the majority of the instruction deals with the examination of ecotourism from a thematic view point so that practitioners can learn to identify geographic

locations with specific attractions and apply concepts so as to construct activities in any country.

GEOG 3999 Prior Learning Credit in Geography (1-12 credits) This course number and prefix indicate award of upper-level undergraduate prior learning credit in geography. This course is repeatable up to 12 credits. Prerequisite: approval of director.

GEOG 4900 Advanced Special Topics in Geography (1-3 credits) Advanced topics in geography that are not included in regular course offerings. Specific content and prerequisites are announced in the course schedule for a given term. Students may reenroll for special topics covering different content.

GEOG 4950 Internship in Geography (1-12 credits) A work experience for 16 weeks in the student's major area of study or area of career interest. Consult academic division for specific details and requirements. Prerequisites: cumulative GPA of 2.5 or higher, major GPA 3.0 or higher, completion of 60 or more credit hours, supervision of instructor, and permission of academic director.

GEST

GEST 1999 Prior Learning (1-12 credits) This course number and prefix indicate award of lower-level undergraduate prior learning credit in gender studies. This course is repeatable up to 12 credits.

GEST 2050 Introduction to Gender Studies (3 credits) This course introduces students to the interdisciplinary field of gender studies. It is designed to help students develop a critical framework for thinking about questions relating to gender and the ways that gender is constructed and institutionalized. Attention is paid to ongoing debates concerning public and private, the politics of embodiment and sexuality, equality and difference, the intersection of gender with other axes of subordination, identity politics and essentialism. Prerequisite: COMP 1500.

GEST 3999 Prior Learning (1-12 credits) This course number and prefix indicate award of upper-level undergraduate prior learning credit in gender studies. This course is repeatable up to 12 credits.

GEST 4900 Special Topics in Gender Studies (3 credits) This course serves as a capstone to gender studies and provides the opportunity for treatment of special topics and/or internships combined with independent research projects. Prerequisite: GEST 2050; and COMP 2000, 2010, or 2020.

GEST 4990 Independent Study (3 credits) The student selects, and carries out independently, library and /or empirical research. Faculty supervision is provided on an individual basis. Written consent of instructor and division director required. Prerequisite: GEST 2050; and COMP 2000, 2010 or 2020

GLBS

GLBS 1500 Global Issues (3 credits) This course examines some of the increasingly complex and diverse issues confronting humanity. It examines the great diversity of opinion that people hold on important global issues, such as population, natural resource utilization, development, human rights and values.

GLBS 1500H Global Issues Honors (3 credits) This course examines some of the increasingly complex and diverse issues confronting humanity. It examines the great diversity of opinion that people hold on important global issues, such as population, natural resource utilization, development, human rights, and values. Honors students only.

GLBS 1999 Prior Learning (1-12 credits) This course number and prefix indicate award of lower-level undergraduate prior learning credit in global studies. This course is repeatable up to 12 credits.

GLBS 2250 The Pacific Rim (3 credits) The challenge of development in Southeast Asia and Latin America: using selected Southeast Asian and Latin American nations as focal points, the course provides an interdisciplinary overview of systems and societies in two distinct regions of the world and their relationship to past and future development. The goal of this course is to establish a hemispheric and global consciousness in the student. Prerequisite: COMP 1500

GLBS 3999 Prior Learning (1-12 credits) This course number and prefix indicate award of upper-level undergraduate prior learning credit in global studies. This course is repeatable up to 12 credits.

HIST

HIST 1030 American History to 1865 (3 credits) American history from its colonial origins through the Civil War. Special emphasis is given to analyzing and evaluating the major forces and ideas that have shaped American political, social, and economic life.

HIST 1030H American History to 1865 Honors (3 credits) American history from its colonial origins through the Civil War. Special emphasis is given to analyzing and evaluating the major forces and ideas that have shaped American political, social, and economic life. Prerequisite: Honor students only.

HIST 1040 American History Since 1865 (3 credits) American history from Reconstruction to the present. Special emphasis is given to analyzing and evaluating the major forces and ideas that have shaped American political, social, and economic life.

HIST 1040H American History Since 1865 Honors (3 credits) American history from Reconstruction to the present. Special emphasis is given to analyzing and evaluating the major forces and ideas that have shaped American political, social, and economic life. Prerequisite: Honor students only.

HIST 1090 Early Western History (3 credits) A historical study of the major political, social, economic, philosophical, and religious movements shaping Western society in the period preceding the Renaissance.

HIST 1110 Modern Western History (3 credits) A historical examination of modern western society since the Middle Ages emphasizing political, social, and economic movements, and the religious and philosophical ideas that have shaped its development.

HIST 1150 Early World History (3 credits) A study of the development of world civilizations, examining the inter-relationships of the various regions of the world from Prehistoric times through 1500, including the rise of world communities, cultures, religions, and empires, tracing the development of trade, economics, political forms, the creation of the nation-state, and on the development of technology and the use of war of resolve cultural/religious/national conflicts.

HIST 1160 Modern World History (3 credits) A study of the inter-relationships of world civilizations of the various regions of the world in the post-Renaissance era, examining the major world communities, cultures, and religions, tracing the modernization of economics and political systems, and the relations between modern nation-states. The course will also examine the collapse of colonialism, the beginning and end of the Cold War, the use of technology and warfare to resolve cultural/religious/ national conflicts, and the role played by the United States in world affairs in the modern era.

HIST 1999 Prior Learning (1-12 credits) This course number and prefix indicate award of lower-level undergraduate prior learning credit in history. This course is repeatable up to 12 credits.

HIST 2010 History of Florida (3 credits) An examination of the history of Florida from the time of its first recorded human inhabitants, through exploration and settlement by Europeans, the colonial history of Spanish and British Florida, United States territorial status and statehood, secession and Civil War, Reconstruction and reform, economic boom and bust, growth and diversification, the growth of tourism, the effect of the Depression and World War II on Florida, its role in the Civil Rights movement, and the Immigration's impact on Florida to the present day. Prerequisite: COMP 1500.

HIST 2130 Formation of Latin America (3 credits) Ancient America to the Mexican Revolution: an interdisciplinary study of ancient American and Latin American systems and societies. The course examines ways in which essential elements of indigenous cultures have had an impact on the development of Latin American political, social, and economic institutions; the impact of Iberian history and socioeconomic systems on the discovery, colonization, and development of American nations; the legacy of Spanish and Portuguese colonialism to emerging Latin American states; and the major goals and consequences of 19th century neocolonialism. Prerequisite: COMP 1500.

HIST 2140 Modern Latin America: The 20th and 21st centuries (3 credits) using Latin America and the Caribbean as a focal point, the course provides an interdisciplinary overview of contemporary American systems and societies and their place in a rapidly changing, increasingly interdependent world. Topics discussed will include the causes and goals of revolution in Latin America, Latin American debt and development, U.S.-Latin American relations, and a new hemispheric order for the 21st century. Prerequisite: COMP 1500.

HIST 2200 Asian History (3 credits) This course traces the history of Asia from the age of Asian empires through European contact and colonialism and into the age of the modern nation-state, examining the growth of Confucian and Buddhist culture in China and Japan, the rise of Communism and militarism, and the interaction of these nations with the rest of Asia. Prerequisite: COMP 1500.

HIST 2300 Caribbean History (3 credits) This course traces the history of the Caribbean from the fifteenth century to the present, examining such issues as indigenous peoples and the early years of European settlement and colonization, the construction of African slavery, the changing place of the Caribbean in the world economy, various aspects of slave society, and the abolition of slavery. Revolution and struggles for independence will be emphasized, as will be U.S. imperialism, migration, and the rise of intellectual, artistic and literary movements in Caribbean island nations. Prerequisite: COMP 1500.

HIST 3010 Constitutional History I (3 credits) A study of the origin and development of the American constitutional system from the colonial period to 1870. The course will examine seminal decisions of the United States Supreme Court during this period in their political, social, and economic context. Prerequisite: one HIST course; and COMP 2000, 2010, or 2020.

HIST 3020 Constitutional History II (3 credits) Continuation of the study of the constitutional system of the United States. The course covers the period 1870 to the present with special emphasis on Supreme Court decisions in the areas of federal-state relations, individual liberties, and civil rights. Prerequisite: HIST 3010.

HIST 3130 Vietnam (3 credits) This course takes an interdisciplinary approach to examine the origins and causes of the Vietnam war, explore the ways it was fought and evaluate its impact on American society, politics and life. Specific focus will be on the way that the Vietnam conflict inspired feelings of strife and anger, confusion and frustration to an entire generation of Americans as America's first 'lost' war. Prerequisite: one HIST course; and COMP 2000, 2010, or 2020.

HIST 3140 The Holocaust (3 credits) A study of the history of the Holocaust. This course will look at the causes, reasons, results and implications of the Holocaust from both a European and American perspective. Prerequisite: one HIST course; and COMP 2000, 2010, or 2020.

HIST 3230 The Great Depression (3 credits) This course will examine the origins and causes of the Great Depression, exploring its impact on American society and life and evaluating its effects on the politics of reform that grew up in response to this crisis. Specific topics, such as this era's impact on confidence about the future, the New Deal, the welfare state and modern liberal politics, and how events of the era have helped form contemporary American society, will be covered. Prerequisite: one HIST course; and COMP 2000, 2010, or 2020.

HIST 3240 Irish History (3 credits) This course will study Irish history from the Neolithic era to the 21st century, focusing on the colonial relation between Britain and Ireland, including the 17th-century Plantation, the Cromwellian and Williamite wars, the United Irishmen and the 1798 Rising, the Act of Union, the Great Hunger (Famine) and emigration to America, and the formation of the Irish Republic and the Northern Irish state in 1922. Prerequisite: one HIST course; and COMP 2000, 2010, or 2020.

HIST 3999 Prior Learning (1-12 credits) This course number and prefix indicate award of upper-level undergraduate prior learning credit in history. This course is repeatable up to 12 credits.

HIST 4500 Historiography (3 credits) The study of how historians contend with the past. This course focuses on how history is researched and written, noting the different avenues used to view history, how bias affects the writing of history, and the assessment of what history is. Prerequisite: one 3000-level HIST course; and COMP 2000, 2010, or 2020.

HIST 4900 Special Topics in History (3 credits) Advanced studies in selected topics in history, such interpretations of Revolution, the role of technology in the society, or environmental history. Specific focus to be announced. May be repeated once for credit, if content changes and with written consent of division director. Prerequisite: one HIST course; COMP 2000, 2010, or 2020.

HIST 4990 Independent Study (1-3 credits) The student selects, and carries out independently, library and/or empirical research. Faculty supervision is provided on an individual basis. Written consent of instructor and division director required. Prerequisite: one HIST course; and COMP 2000, 2010, or 2020.

HONR

HONR 1000B Hon Sem: Discovery & Discipline (3 credits) This Honors Seminar provides an exploration of two critical themes that frame science, learning, and culture: discovery and discipline. What makes a fact a fact? Are there differences between invention and discovery? What level of proof, or agreement, is necessary for a discovery to be certified as real? Who makes these decisions? Is discovery the result of luck (being in the right place at the right time), creativity (imagination and curiosity), hard work (planning, preparation, and discipline), or a mix of all three? This course is open to students in the honors program.

HONR 1000C Honors Seminar: Myth and Fairy Tale in Modern Culture (3 credits) This course will focus on the influence of mythology and fairy tale on the cultural and psychological fabric of modern life. As students read various myths, fairy tales, and literature, as well as study images of myth and tale in advertising and film, they will attempt to make connections between underlying recurrent themes that find their roots in the earliest stories of humanity. The reading and analysis of texts and images will be complemented by the development of individual writing skills, emphasizing critical thinking

and the clear, sophisticated, and creative expression of ideas. Satisfies general education requirement in Humanities. Prerequisite: Honors students only.

HONR 1000D Honors Seminar: Future History (3 credits) This course is an extrapolation of the future based on assumptions about, and concerns with, the present. Taking both a utopian and a distopian form, these explorations of historic imagination say as much about where we think we are today as where we think we are heading in the future. It will further explore the various forces that shape historic change, and seek to place ourselves, and our personal world, within this process. Satisfies general education requirement in Humanities. Prerequisite: Honors students only.

HONR 1000E Honors Seminar: Global Jewish Literature (3 credits) Students will identify, reflect upon, and write about the particularities of different regions of the globe to demonstrate their awareness and understanding of the ways in which written rhetorical strategies translate into both the separation and/or the blending of a people in search of the traditional Jewish community. Geographically-specific, representative literature of the Jewish people--area studies of Jewish literature--reveal similarities and dissimilarities with regard to representations of Jewish history, culture, religion, and society. Satisfies general education requirement in Humanities. Prerequisite: Honors students only.

HONR 1000F Honors Seminar: Gangs In America (3 credits) This course will cover issues dealing with gang theory including concepts of street gangs, graffiti, violence, and gang structure and organization. Students will explore the reasons why gangs exist, how they are formed and the exact core of their existence. Further students will examine the impact of gang crime and victimization on society. Additionally, students will be exposed to gang enforcement and prevention officers and specialist that currently work with gang prevention, intervention and enforcement within the South Florida area. Finally, the course will help the students to develop a model approach to dealing with the gang problem as it exists today in America. Prerequisite: Honors Students Only.

HONR 1000G The Problem of Consciousness (3 credits) What is consciousness? How does the brain do its work and produce its dazzling, if taken-for-granted, capabilities? If we all share similar capacities, how does each brain manage to make itself unique? Although these similar questions have been asked for hundreds, if not thousands, of years, the past decade has provided more tools for answering them than at any other time in human history. Data from many fields of inquiry have begun to converge. Students who take this course will be exposed to these exciting new findings and will also explore resulting controversies. Prerequisite: Honors Students Only

HONR 1000H Honors Seminar: The City in Film and Literature (3 credits) This course focuses on depictions of urban life in film and literature. Some themes that will be explored in the course are the representation of the city as both living organism and as killing machine; the "geometry" of the city as alternately labyrinthine and boxlike, having both confusing and suffocating effects; isolation, dehumanization and the struggle for identity; conflicts between nature and city; immigration, assimilation, and cultural identity. Satisfies general education requirement in Humanities. Prerequisite: Honors Students Only.

HONR 2000A Quarks to Quasars (3 credits) This honors course is an algebra-based survey of developments in physics since the turn of the 20th century. The conceptual basis and historical development of the ideas will be emphasized. Topics include relativity, quantum mechanics, elementary particle physics, gravitation and cosmology, black holes, superstring theory, M-theory, and higher-dimensional Kaluza-Klein theories. Prerequisites: MATH 1030 or higher. Honors students only.

HONR 2000B Honors Seminar: Genes and Schemes (3 credits) This course will examine the science of modern genetics and how this science has inserted itself into the disclosure of contemporary culture. It will discuss the concept of the gene and will explore the way the "disclosure of the gene" has impacted our understanding of ourselves as human beings, as well as public policy issues in criminal justice, ethics, education, and health care. Special consideration will be given to the use and misuse of genetic "explanations" of human behavior, the Eugenics movement, and the nature vs. nurture dispute. This will be a team-taught course by faculty in biology, philosophy, psychology, and sociology. Satisfies general education requirement in Humanities. Prerequisite: Honors students only.

HONR 2000C Honors Seminar: History of Economic Development (3 credits) This course will examine the history and evolution of economics as a basic human institution with emphasis on distinctions between growth and development. The challenge of sustainable development will be analyzed within the broader historical context of human rights, environmental consequences, and ideological goals and outcomes. Students will design and discuss alternative economic models for the future that emphasize sustainability. Satisfies general education requirement in Humanities. Prerequisite: Honors students only.

HONR 2000D The Ever-Changing Family (3 credits) This course will focus on how the concept of the family has changed over the last 80-100 years. Students will examine how the media has been one avenue that has conceptualized the family along with the impact this has on peoples' roles in families. Through the use of books, film, and television, stereotypes and myths of family functioning, along with debates about what a family "is" or "should be", will be discussed. Multicultural and non-traditional families will be explored. Honors Students Only

HONR 2000E Honors Seminar: Utopias and Dystopias (3 credits) This course focuses on the dual concepts of utopias and dystopias--ideal visions of society and nightmarish visions of society. Various manifestations of utopias and dystopias in literature, philosophy, film, and mythology will be focused on, as students explore the desire of humans to conceive of an ideal society, as well as the advantages and dangers of such conceptions. Satisfies general education requirement in Humanities. Prerequisite: Honors students only.

HONR 2000F Honors Seminar: Philosophy and Politics in Film (3 credits) This course provides an introduction to thinking critically about philosophical and political issues by understanding how they can be manifest in popular film. Students will develop greater awareness of how to view film as a vehicle for ideological content. Topics could include, but not be limited to human rights, epistemology, personal identity (including the role of memory), temporality, the philosophy of religion, democratic ideals/plutocratic reality, workers unions, capitalism and gangsterism, the allure of fascism, environmental despoliation, etc. Satisfies general education requirement in Humanities. Prerequisite: Honors students only.

HONR 2000G Distinguished Fellowships (3 credits) This course will preview a range of distinguished fellowships Rhodes, Marshall, Truman, Goldwater, Fulbright, and others. Students will be encouraged to target appropriate scholarships and fellowships, learn about the programs, criteria, and conditions of award. Students will be provided tools and skills which support application and consideration for these awards. These same skills are relevant for pursuit of graduate school and professional career opportunities. Prerequisite: Honors Students Only

HONR 2000H Honors Seminar: Famous American Trials (3 credits) This course will examine famous trials in American history that reflect major social changes, cultural conflicts and political struggles from the late 19th century through the 20th century. Prerequisite: Honors Students Only.

HONR 2000J Honors Seminar: Chick Lit, Chick Flicks (3 credits) This course will examine popular film and literature targeting women. Both contemporary "chick lit" and "chick flicks" feature single, urban women in their late 20s and early 30s navigating the minefields of professional life and romantic relationships. This course will trace the

development of woman's fiction from Jane Austen's era and film from the "woman's film" of the 1940s. Prerequisite: Honors Students Only.

HUMN

HUMN 1000A Aristotle's Nicomachean Ethics (1 credit) This one-credit seminar course will introduce students to one of the most widely read and influential works of moral philosophy in the western tradition, Aristotle's Nicomachean Ethics. No previous preparation is presupposed. Pass/Fail Only.

HUMN 1000B Dante's Inferno (1 credit) The one-credit seminar course will examine the Inferno, the first and perhaps most well-known section of Dante Alighieri's Divine Comedy. Themes of study will include Dante's religious theories and cosmological philosophy, the motivations, religious and cultural, behind Dante's conceptions of sin and punishment, and the influence that Dante's ideas have had on subsequent writers, thinkers, and the general public. No previous preparation is presupposed. Pass/Fail only.

HUMN 1000D Austen's Emma (1 credit) This one-credit seminar course will introduce students to the late eighteenth century author, Jane Austen, and one of the most widely read and influential novels in English literature, Emma. No previous preparation is presupposed. Pass/fail only.

HUMN 1000E Jefferson's Declaration (1 credit) This course will provide an in depth analysis of the Declaration of Independence. It will explore the historical context within which the document was composed and will examine the philosophical assumptions contained within the document. It will also briefly explore the relationship of this document to the Constitution and some of the political implications of both. No previous preparation is presupposed. Pass/fail only.

HUMN 1000F Cervantes' Don Quixote (1 credit) The novel, Don Quixote, by Cervantes is probably one of the world's most influential and recognized books ever written. The exchanges between the novel's two main characters, Don Quixote and Sancho Panza, will engage students in a story that while entertaining makes very profound statements about medieval society, politics and values. From a critical perspective, the novel occupies a seminal position in the development of modern writing. Through his novel Cervantes reveals the fascination with narrative processes and techniques that have made him an inspiration for many writers of our time. No previous preparation is presupposed. Pass/Fail only.

HUMN 1000G Shelley's Frankenstein (1 credit) This one-credit seminar course will examine Mary Shelley's Frankenstein, one of the most seminal works of world literature. Themes of study will include the influence of Shelley's parentage and marriage on her work, scientific theories of the 19th century that influenced the novel, issues of human heroism and frailty, and the ethical concerns that transcended Shelly's own time period. Consideration will also be given to the various ways that the Frankenstein story has manifested itself in popular culture up through the modern era. No previous preparation is presupposed. Pass/fail only.

HUMN 1000I Hume's Enquiry (1 credit) This one-credit seminar course involves a close reading of seminal work in early modern philosophy, David Hume's An Enquiry Concerning Human Understanding. No previous preparation is presupposed. Pass/fail only.

HUMN 1000J Descartes' Meditations (1 credit) This one-credit seminar course involves a close reading of a seminal work in early modern philosophy, Descartes' Meditations on First Philosophy. No previous preparation is presupposed. Pass/fail only.

HUMN 1410 Explorations in the Humanities (3 credits) This introductory course studies the set of disciplines collectively known as the Humanities-typically, the arts, architecture, literature, religion, music, and philosophy. Students will focus on how works in these disciplines, traditionally studied as interrelated expressions of human creativity and imagination, have transcended the particular time and place in which they were produced and now belong to all of humankind. A variety of approaches to the study of Humanities will be used, including formalism and contextualism, as well as historical and psychological analyses.

HUMN 1999 Prior Learning (1-12 credits) This course number and prefix indicate award of lower-level undergraduate prior learning credit in humanities. This course is repeatable up to 12 credits.

HUMN 2200 Introduction to Medical Humanities (3 credits) This course provides students with an opportunity to explore the relationship between medicine, medical practice, and two or more disciplines within the humanities: the arts, philosophy, history, literature, and cultural studies. Students will assume an active role in discussions, presentations, and other aspects of the course. Prerequisite: COMP 1500.

HUMN 2300 Introduction to World Mythology (3 credits) This course provides a broad overview of mythological systems from various time periods and geographical areas, also emphasizing the importance of myth in world cultures. Greek, Roman, Norse, Native American, African, Asian, and various religious mythologies are among those that will typically be explored. Prerequisite: COMP 1500.

HUMN 2350 Introduction to Folklore (3 credits) This course explores various definitions of folklore, focusing on the ways that literature, art, music, performance, and religion all contribute to a culture. Students will be exposed to multiple storytelling techniques and how the many disciplines included in the study of folklore can be understood as forms of narration that tell the story of a culture's evolution. Folklore of different ethnographic backgrounds will be covered, including modern American folklore. Prerequisite: COMP 1500.

HUMN 2600 Introduction to American Studies (3 credits) This course develops the insights and syntheses resulting from juxtaposing works across disciplinary boundaries and methodological perspectives, providing the conceptual tools needed for advanced work in American Studies. Students will be introduced to significant works of American culture from a variety of media. Prerequisite: COMP 1500.

HUMN 3010 Communication Traditions (3 credits) This course addresses the role of argument and communication in public discourse. Students will become intelligent consumers of public discourse through learning the traditions of the art of communication from ancient times through the present. Students will study compelling speakers and speeches from rhetorical and philosophical viewpoints. Prerequisite: COMP 2000, 2010, or 2020.

HUMN 3610 The Harlem Renaissance (3 credits) This course will examine the Harlem Renaissance, the period from the end of World War I and through the middle of the 1930's depression, during which African-American artists produced a body of work in the graphic arts, poetry, fiction, drama, essay, music, particularly jazz, spirituals and blues, painting, dramatic revues, and others. The notions of racial consciousness will be explored, as well as the common themes of alienation, marginally, the use of folk material, the use of the blues tradition, and the problems of writing for an elite audience. Prerequisite: COMP 2000, 2010, 2020.

HUMN 3620 American Transcendentalism (3 credits) An interdisciplinary study of the transcendentalist movement in the U.S. in the nineteenth century, emphasizing the literary and philosophical ideas that framed transcendentalism and considering the geographical, social, and political backdrops of the movement. Prerequisite: COMP 2000, 2010, or 2020.

HUMN 3999 Prior Learning (1-12 credits) This course number and prefix indicate award of upper-level undergraduate prior learning credit in humanities. This course is repeatable up to 12 credits.

HUMN 4100 Death and Dying (3 credits) A multi-disciplinary examination of significant topics related to the process of dying and death, such as changing western attitudes toward death, problems and solutions that may arise and for those experiencing the dying process (including the dying, family, and friends), the grieving process, and non-western approaches to death and dying. Prerequisite: one ARTS, HIST, HUMN, LITR, PHIL, or THEA course; and COMP 2000, 2010, or 2020.

HUMN 4200 Asian Thought (3 credits) An introduction to the fundamental teachings of significant religious and philosophical systems of Asia, offering a broad overview of such topics as Wu Wei, karma, reincarnation, impermanence, the nature of the mind, the paths of enlightenment, and basic practices such as meditation and compassionate action. Prerequisite: one ARTS, HIST, HUMN, LITR, PHIL or THEA course; and COMP 2000, 2010, or 2020.

HUMN 4310 The Vampire (3 credits) This course investigates the development of the vampire tradition in Eastern and Western myth and legend; 19th and 20th century literacy and artistic representations of the vampire; and psychological and medical explanations of the phenomenon. Prerequisite: one ARTS, HIST, HUMN, LITR, PHIL, or THEA course; and COMP 2000, 2010, or 2020.

HUMN 4900 Special Topics in the Humanities (3 credits) Advanced studies in selected cross-disciplinary areas of the humanities, including such topics as comparative religion, death and dying, or popular culture. Specific focus to be announced. May be repeated once for credit, if content changes and with written consent of division director. Prerequisite: one ARTS, FILM, HIST, HUMN, LITR, PHIL, or THEA course; and COMP 2000, 2010, or 2020.

HUMN 4950 Internship in Humanities (1-12 credits) A 10-20 hour per week field or work experience for 16 weeks (or more) in the student's major area of study. Consult academic division for specific details and requirements. Prerequisite: cumulative GPA of 2.5 or higher, completion of 60 or more credit hours, and permission of division director.

HUMN 4990 Independent Study (1-3 credits) The student selects, and carries out independently, library and/or empirical research. Faculty supervision is provided on an individual basis. Written consent of instructor and division director required. Prerequisite: one ARTS, HIST, HUMN, LITR, or PHIL course; and COMP 2000, 2010, or 2020.

LACS

LACS 1999 Prior Learning (1-12 credits) This course number and prefix indicate award of lower-level undergraduate prior learning credit in Latin American and Caribbean studies. This course is repeatable up to 12 credits.

LACS 3999 Prior Learning (1-12 credits) This course number and prefix indicate award of upper-level undergraduate prior learning credit in Latin American and Caribbean studies. This course is repeatable up to 12 credits.

LACS 4850 Preparation for Field Study (3 credits) The course is designed to prepare students for total immersion into Latin American culture, with emphasis on the culture and environment of the Peruvian Amazon. Students will examine how others deal with the experience of separation from one's culture and integration into another. To aid in their own integration process, students will examine the geography, culture, and the current events of Peru and the Amazon region. Written consent of instructor and division director required.

LACS 4860 Field Study in Latin America I (3 credits) A field experience relating to selected topics in Latin American and Caribbean studies. Specific content and prerequisites are announced in the course schedule for a given term. Written consent of instructor and division director required.

LACS 4870 Field Study in Latin America II (3 credits) Advanced field experience relating to selected topics in Latin American and Caribbean studies. Specific content and prerequisites are announced in the course schedule for a given term. Written consent of instructor and division director required.

LACS 4900 Special Topics in Latin American & Caribbean Studies (3 credits) Topics in Latin American and Caribbean studies not included in regular course offerings. Specific content and prerequisites are announced in the course schedule for a given term. Students may reenroll for Special Topics covering differing content. Prerequisite: one HIST course; and COMP 2000, 2010, or 2020.

LEGS

LEGS 1150 Introduction to Law and the Legal Profession (3 credits) Topics will include the structure and decisional processes of the American legal system, sources of law, methods of dispute resolution, the roles of the attorney and the legal assistant, legal analysis, interviewing techniques and ethics for legal assistants. This course is not required for those students who have taken LGST 2500.

LEGS 1999 Prior Learning in Paralegal Studies (1-12 credits) This course number and prefix indicate award of lower-level undergraduate prior learning in Paralegal Studies. This course is repeatable up to 12 credits.

LEGS 2100 Legal Research and Writing (3 credits) Students will study primary and secondary sources of law, obtain legal research and writing skills, learn how to use a law library, and obtain computer-assisted legal research training. Prerequisites: LEGS 1150 or LGST 2500 or permission of coordinator. This course is not required for students who have taken LGST 4000.

LEGS 3050 Criminal Law and Procedure (3 credits) This course covers the study of both substantive criminal law and criminal procedure for the paralegal student. Students will learn the elements of major crimes and defenses. Students also will examine the constitutional aspects of criminal procedure, including searches, seizures and arrests; interrogation; the pretrial process; trial; sentencing; and appeal. Prerequisites: LEGS 1150 or LGST 2500 or permission of coordinator.

LEGS 3210 Computer Applications for the Legal Profession (3 credits) Theory and application of programs for computers that are used in the legal profession. Hands-on experience with microcomputers and specialized software utilized by the legal profession. Prerequisites: TECH 1110 and LEGS 1150 or LGST 2500 or permission of the coordinator.

LEGS 3260 Real Estate Practice I (3 credits) Topics will include interests in real property, contracts, deeds, mortgages and other encumbrances, mortgage foreclosures, title searches, title insurance, and leases. Students will prepare closing documents for a residential real estate transaction. Pre/Corequisites: LEGS 1150 or LGST 2500 or permission of coordinator.

LEGS 3300 Torts and Civil Litigation (3 credits) This course covers tort law, including such topics as intentional torts, negligence, strict liability, products liability, defamation, and defense to torts. Students also will examine the civil litigation process, including evidence, the rules of civil procedure, discovery, jury selection, and pre-trial work. Students will prepare pleadings and pre-trial discovery. Pre/Corequisites: LEGS 1150 or LGST 2500 or permission of coordinator.

LEGS 3360 Wills, Trusts, and Estates I (3 credits) Topics will include intestacy, wills, trusts, living wills, will substitutes, probate, estate administration, and estate and gift taxes. Students will prepare wills and estate administration documents. Pre/Corequisites: LEGS 1150 or LGST 2500 or permission of coordinator.

LEGS 3400 Business Relations and Organizations (3 credits) Topics will include contracts (the essential elements, defenses to enforceability, third party beneficiaries, and assignments), the Uniform Commercial Code, sole proprietorships, general and limited partnerships, and corporations. Pre/Corequisites: LEGS 1150 or LGST 2500 or permission of coordinator.

LEGS 3550 Family Law (3 credits) Topics will include prenuptial and postnuptial agreements, marriage, dissolution, equitable distribution, alimony, shared parental responsibility, child support, property settlement agreements, adoption, and paternity and juvenile law. Pre/Corequisites: LEGS 1150 or LGST 2500 and permission of coordinator.

LEGS 3999 Prior Learning in Paralegal Studies (1-12 credits) This course number and prefix indicate award of upper-level undergraduate prior learning in Paralegal Studies. This course is repeatable up to 12 credits.

LEGS 4060 Debtor and Creditor Relations (3 credits) Topics will include the following: the bankruptcy process and alternative remedies; secured parties under the Uniform Commercial Code; judgment liens; locating debtors' property; enforcement of judgments by way of garnishment, attachment, and replevin; and exempt property. Prerequisites: LEGS 1150 or LGST 2500, and LEGS 2100 or LGST 4000, and LEGS 3300 and LEGS 3400 or permission of coordinator.

LEGS 4110 Legal Research and Writing II (3 credits) This course will commence with a review of all basic primary and secondary sources. Florida research tools and special topical reference materials will also be covered. Advanced training in computer-assisted legal research will be provided. Legal writing will be emphasized. There will be a variety of written work ranging from everyday correspondence to memoranda of law. Prerequisites: LEGS 1150 or LGST 2500, and LEGS 2100 or LGST 4000 or permission of coordinator.

LEGS 4270 Real Estate Practice II (3 credits) Topics will generally be chosen from among the following: title problems, mortgage foreclosures, landlord-tenants, commercial real estate transactions, condominiums, construction liens, and environmental matters. Prerequisites: LEGS 1150 or LGST 2500; and LEGS 2100 or LGST 4000; and LEGS 3260 or permission of coordinator. coordinator.

LEGS 4310 Advanced Litigation (3 credits) The following topics under the Florida Rules of Civil Procedure will be covered: pleadings, service of process, parties, default, dismissals, discovery in all of its forms, the trial stage, judgments, and post-judgment relief. Students will work on civil cases in several areas of law, where they will apply many of the procedural rules that they have studied. Prerequisites: LEGS1150 or LGST 2500; and LEGS 2100 or LGST 4000; and LEGS 3300 or permission of coordinator.

LEGS 4370 Wills, Trusts, and Estates II (3 credits) Topics will generally be chosen from among the following: probate litigation, mechanisms to transfer property, will and trust drafting, homestead, and federal estate and gift tax system, the Florida estate tax, and preparation of federal estate and gift tax returns. Prerequisites: LEGS 1150 or LGST 2500; and LEGS 2100 or LGST 4000; and LEGS 3360 or permission of the coordinator.

LEGS 4410 Corporate Regulation and Change (3 credits) Topics will include the following: capitalization, debt and equity financing, federal and state securities regulation, mergers, asset and stock acquisitions, reorganizations, and drafting corporate documents. Prerequisites: LEGS 1150 or LGST 2500; and LEGS 2100 or LGST 4000; and LEGS 3400 or permission of the coordinator.

LEGS 4470 Emerging Technologies and the Legal Profession (3 credits) This course covers emerging technologies and their impact on the legal profession. Topics covered will include an overview on the Internet, conducting legal research on the Internet, electronic filing with government agencies and the courts, "non-legal" Web sites with legal-specific applications, using email in law practice, legal trends on the Internet, ethical issues pertaining to emerging technologies, and law as applied to computers and other technology. Prerequisites: TECH 1110; and LEGS 1150 or LGST 2500; and LEGS 2100 or LGST 4000; and LEGS 3210; and LEGS 3400 or permission of the coordinator.

LEGS 4510 Specialty Course (3 credits) The subjects covered by this course will generally be chosen from among the following: administrative law; alternative dispute resolution; employment law; health law; immigration law; insurance law; international law; and patents, trademark, and copyright law. Prerequisites: LEGS 1150 or LGST 2500; and LEGS 2100 or LGST 4000 or permission of the coordinator.

LEGS 4560 Elder Law (3 credits) Topics will include the following: incapacity; types of guardians; guardianship practice and procedure; alternatives to guardianships, such as durable powers of attorney, trusts, health care surrogates, and representatives payers; government benefits such as Social Security, Medicare, and Medicaid; and housing options such as " reverse mortgages," life care contracts, adult congregate living facilities, and nursing homes. Prerequisite: LEGS 1150 or LGST 2500; and LEGS 2100 or LGST 4000 or permission of the coordinator.

LEGS 4950 Internship in Paralegal Studies (3 credits) A 20-hour per week work experience for 16 weeks in the student's major area of study at an internship site registered with the paralegal studies program as an approved site. Consult academic division for specific details and requirements. Prerequisites: cumulative GPA of 2.5 or higher, completion of 36 or more credit hours, and permission of paralegal coordinator. Students may take a maximum of two internships which must be taken at different internship sites.

LGST

LGST 1999 Prior Learning (1-12 credits) This course number and prefix indicate award of lower-level undergraduate prior learning credit in legal studies. This course is repeatable up to 12 credits.

LGST 2500 Introduction to Legal Studies (3 credits) This course provides an introduction to the structure and basic decisional processes of the American legal system, as well as a study of the historical and social development of the legal profession in America from the colonial period to the present. Particular focus is on examination of the central issues and processes of the legal system from the perspective of their everyday working relationships and how courts work. Prerequisite: COMP 1500.

LGST 3350 Environmental Law and Policy (3 credits) Environmental Law & Policy analyzes environmental quality in terms of law and policy. Specific public policy issues are surveyed to develop alternative approaches for dealing with ecological problems and for illustrating the power of public opinion. This course also provides an understanding of the norms and institutions that comprise national and international environmental law. Specific topics considered include air pollution and protection of the atmosphere, hazardous waste, endangered species, the global commons and laws of the sea. Statutes, regulations, and judicial decisions are emphasized to provide an overall analysis of environmental law. Prerequisite: COMP 2000, 2010, or 2020.

LGST 3400 Comparative Legal Systems (3 credits) A study of the interrelationship between cultures and legal systems; how legal systems develop as a response to, and expression of, the cultures from which they derive. Prerequisite: COMP 2000, 2010, or 2020.

LGST 3999 Prior Learning (1-12 credits) This course number and prefix indicate award of upper-level undergraduate prior learning credit in legal studies. This course is repeatable up to 12 credits.

LGST 4000 Legal Research and Trial Advocacy (3 credits) Students will learn legal research and writing skills, as well as the basics of case preparations, courtroom strategy and presentation, and legal argumentation. Library and Internet primary and secondary legal resources will be utilized, and legal memoranda and research skill exercises will be required. The students will create a trial notebook of their research and writing work, which they will then present in a mock trial/appellate setting. Prerequisite: one LGST course; and COMP 2000, 2010, or 2020.

LGST 4050 Civil and Political Liberties (3 credits) A survey of the philosophical basis and actual development of civil and political liberties in the United States. The course also examines the leading United States Supreme Court cases in the area. Prerequisite: HIST 3020.

LGST 4260 Private Law (3 credits) This course examines, in depth, one or more areas of private law, such as contracts, torts, or corporations and considers them in the context of modern legal thought. The emphasis will be on 20th-century America. Prerequisite: HIST 3020.

LGST 4270 Judicial Politics and Process (3 credits) This class will examine both the formal and informal practices and rules that shape the American judicial system. Using a political science/legal anthropology approach, it will ask who uses the courts, why they use the courts and what they hope to achieve. In doing so, it will seek to assess the effectiveness of American justice by analyzing such topics as the formal structures of the American judicial system and the judicial appointment, socialization, and the decision-making process. Prerequisite: HIST 3020.

LGST 4410 International Law (3 credits) An introduction to basic legal principles governing relations between nations. Topics include recognition of states, jurisdiction, human rights, treaties and agreements, law of the sea and claims against nations. Prerequisite: one LGST course; and COMP 2000, 2010, or 2020.

LGST 4950 Internship in Legal Studies (1-12 credits) A 10-20 hour per week field or work experience for 16 weeks (or more) in the student's major area of study. Consult academic division for specific details and requirements. Prerequisite: cumulative GPA of 2.5 higher, completion of 60 or more credit hours, and permission of division director.

LGST 4990 Independent Study (1-3 credits) The student selects, and carries out independently, library and/or empirical research. Faculty supervision is provided on an individual basis. Prerequisites: one LGST course and written consent of instructor and division director.

LITR

LITR 1999 Prior Learning (1 – 12 credits) This course number and prefix indicate award of lower-level undergraduate prior learning credit in literature. This course is repeatable up to 12 credits.

LITR 2010 British Literature I (3 credits) A survey of major literary movements and writers, from Old English through the 18th century. The course examines themes common to various historical periods. Prerequisite: COMP 1500.

LITR 2010H British Literature I Honors (3 credits) A survey of major literary movements and writers, from Old English through the 18th century. The course examines themes common to various historical periods. Prerequisite: COMP 1500; and Honors students only.

LITR 2011 British Literature II (3 credits) A survey of major literary movements and writers, from the Romantic period through the present. The course examines themes common to various historical periods. Prerequisite: COMP 1500.

LITR 2011H British Literature II Honors (3 credits) A survey of major literary movements and writers, from the Romantic period through the present. The course examines themes common to various historical periods. Prerequisite: COMP 1500; Honors students only.

LITR 2020 American Literature I (3 credits) A survey of American literature from the colonial period through the Civil War, emphasizing major authors and identifying themes common to various historical periods. Prerequisite: COMP 1500.

LITR 2021 American Literature II (3 credits) A survey of American literature from the end of the Civil War through the present, emphasizing major authors and identifying themes common to various historical periods. Prerequisite: COMP 1500.

LITR 2030 World Literature I (3 credits) A survey of selected masterpieces by international writers from antiquity through the Renaissance, emphasizing the evolution of world culture. Prerequisite: COMP 1500.

LITR 2030H World Literature I Honors (3 credits) A survey of selected masterpieces by international writers from antiquity through the Renaissance, emphasizing the evolution of world culture. Prerequisite: COMP 1500; Honors students only.

LITR 2031 World Literature II (3 credits) A survey of selected masterpieces by international writers from the 17th century through the 20th century, emphasizing the evolution of world culture. Prerequisite: COMP 1500.

LITR 2031H World Literature II Honors (3 credits) A survey of selected masterpieces by international writers from the 17th century through the 20th century, emphasizing the evolution of world culture. Prerequisite: COMP 1500; Honor students only.

LITR 3040 Women in Literature (3 credits) Works will be studied to acquaint students with the rich and extensive contributions of women to the various literary genres (autobiography, poetry, fiction). Prerequisite: one LITR course; and COMP 2000, 2010, or 2020

LITR 3060 History and Structure of the English Language (3 credits) A study of the structure and development of the English language from Old English to Modern English, including changes in word forms, meaning and sounds, syntax and grammar. Prerequisite: one LITR course; and COMP 2000, 2010, or 2020.

LITR 3210 British Romantic Literature (3 credits) A study of the Romantic period in Britain, ranging from approximately 1785-1850 and covering such authors as Blake, Wollstonecraft, William and Dorothy Wordsworth, Coleridge, Mary Shelley, P.B. Shelley, DeQuincey, Byron, and Keats. Prerequisites: one LITR course, and COMP 2000, 2010, or 2020.

LITR 3230 American Renaissance Literature (3 credits) A study of the period known in U.S. literary history as the "American Renaissance" or "American Romanticism", ranging from approximately 1810-1865. The course will cover such authors as Whitman, Dickinson, Douglass, Stowe, Thoreau, Emerson, Melville, Hawthorne, and Poe. Prerequisite: one LITR course; and COMP 2000, 2010, or 2020.

LITR 3260 Modernist World Literature (3 credits) A study of the works from western literatures other than American or British from the period of 20th century modernism, primarily the first half of the 20th century. Authors studied might include Freud, Kafka, Camus, Beckett, Yeats, Joyce, and Borges. Prerequisite: one LITR course; and COMP 2000, 2010, or 2020.

LITR 3500 Literature and Medicine (3 credits) This course explores the relationship between literary and historical texts and medical practice. Using critical perspectives from the humanities, the course examines such topics as the medical practitioner's role, medical themes in literature, and pathographies. Prerequisite: one LITR course; and COMP 2000, 2010, or 2020.

LITR 3510 Irish Literature (3 credits) A study of Irish and Celtic literatures, focusing on early Irish myth and medieval literature translated from Gaelic, the literature of the Irish Renaissance in the early 20th century, and contemporary Irish poetry and prose. Prerequisite: one LITR course; and COMP 2000, 2010, or 2020.

LITR 3520 African-American Literature (3 credits) A study of African-American literature, from slave narratives to modern African-American poetry and prose. Prerequisite: one LITR course; and COMP 2000, 2010, or 2020.

LITR 3620 Studies in Poetry (3 credits) A detailed study of the genre of poetry through the reading of important works on various periods and countries from the ancient through the modern era, focusing on the main poetical categories of epic, lyric, and dramatic poetry. Prerequisite: one LITR course; and COMP 2000, 2010, or 2020.

LITR 3630 Studies in the Novel (3 credits) A detailed study of the novel through the reading of important works of various periods and countries from the 18th century through the modern era. Prerequisite: one LITR course; and COMP 2000, 2010, or 2020.

LITR 3640 Studies in Drama (3 credits) A detailed study of drama through the reading of important works of various periods and countries from the ancient through the modern era. Prerequisites: one LITR course; COMP 2000, 2010 or 2020.

LITR 3650 Studies in Detective Fiction (3 credits) A detailed study of the literary sub-genre of detective fiction through the reading of important short fiction and novels by such authors as Poe, Doyle, Christie, Chandler, and Hammett. Prerequisites: one LITR course; COMP 2000, 2010, or 2020.

LITR 3999 Prior Learning (1 – 12 credits) This course number and prefix indicate award of upper-level undergraduate prior learning credit in literature. This course is repeatable up to 12 credits.

LITR 4050 Literary Criticism and Theory (3 credits) This course introduces students to critical approaches to literature and explores the potential usefulness of theoretical constructs in examining literary texts. Prerequisite: one LITR course; and COMP 2000, 2010, or 2020.

LITR 4060 Critical Theories and Gender (3 credits) This course introduces students to contemporary feminist criticism and gender theory from Simone de Beauvoir to the present and explores the potential usefulness of theoretical constructs in examining literature. Prerequisite: one LITR course; and COMP 2000, 2010, or 2020.

LITR 4510 King Arthur (3 credits) This course traces the origins and development of the legend of King Arthur, Queen Guinevere, and the Knights of the Round Table from the 5th to the 21st century. Prerequisite: one LITR course; and COMP 2000, 2010, or 2020.

LITR 4720 Shakespeare (3 credits) This course will examine the life and work of William Shakespeare from a range of critical perspectives, using a variety of Shakespeare's history, tragedy, and comedy plays. Prerequisite: one LITR course; and COMP 2000, 2010, or 2020.

LITR 4730 Faulkner (3 credits) This course will examine the life and work of William Faulkner from a range of critical perspectives, using a variety of Faulkner's short fiction and novels. Prerequisite: one LITR course; and COMP 2000, 2010, or 2020.

LITR 4900 Special Topics in Literature (3 credits) Topics, which vary from year to year, may include a history of literary criticism, a study of literature in relation to a specific field (politics, law, science), an exploration of a particular form of literature (travel literature, autobiography, etc.), or theme (literature and the city, literature and the self), or an interdisciplinary approach to a particular era. Specific focus to be announced. May be repeated once for credit, if content changes and with written consent of division director. Prerequisite: one LITR course; and COMP 2000, 2010, or 2020.

LITR 4990 Independent Study (1-3 credits) The student selects, and carries out independently, library and/or empirical research. Faculty supervision is provided on an individual basis. Written consent of instructor and division director required. Prerequisite: one LITR course; and COMP 2000, 2010 or 2020. and COMP 2000, 2010 or 2020.

MATH

MATH 1000 Essential Mathematics (3 credits) This course is designed to provide a brief review of basic computational skills in fractions, decimals and rational numbers. It expands into a comprehensive study of introductory algebra including: variable expressions, linear equations and inequalities, polynomials, exponents, algebraic word problems, factoring, and quadratic equations.

MATH 1030 Intermediate Algebra (3 credits) This course is designed for students who have had some algebra. Topics include; algebraic expression and real numbers; linear equations and inequalities in one and two variables; quadratic equations; polynomials and factoring; graphs of basic functions; systems of linear equations; and applications. Prerequisite: Challenge examination or MATH 1000.

MATH 1040 Algebra for College Students (3 credits) This course is designed to provide students with a full range of algebra skills. Topics include: graphs of functions and relations; inverse functions; rational and radical expressions; linear, quadratic, and rational functions; absolute value and radical functions; properties and graphs of exponential and logarithmic functions and applications. Prerequisite: Challenge examination or Math 1030.

MATH 1050 Concepts in Geometry & Logic (3 credits) This course is designed to meet the general education requirements for only those students intending to enter education majors. The course addresses essential mathematical competencies related to sets, logic, and geometry. Prerequisites: Challenge examination or MATH 1040.

MATH 1060 Concepts in Statistics and Probability (3 credits) This course is designed to meet the general education requirements for only those students intending to enter education majors. The course addresses essential mathematical competencies related to probability and both inferential and descriptive statistics. Prerequisite: MATH 1040 or challenge examination.

MATH 1200 Precalculus Algebra (3 credits) This course is for students with a strong background in algebra. Students will study fundamental concepts of algebra; equations and inequalities; functions and graphs; polynomials; and rational, exponential, and logarithmic functions. Prerequisite: Challenge examination or MATH 1040.

MATH 1250 Trigonometry (3 credits) This course will complete the sequence of courses necessary to begin the study of calculus. A thorough study of trigonometric functions, analytic trigonometry, and

numerous applications will be covered. Prerequisite: Challenge examination or MATH 1200.

MATH 1999 Prior Learning Credit in Mathematics (1-12 credits) This course number and prefix indicate award of lower-level undergraduate prior learning credit in mathematics. This course is repeatable up to 12 credits. Prerequisite: approval of director.

MATH 2080 Applied Calculus (3 credits) Functions, graphs and derivatives of algebraic functions; introduction to derivatives of trigonometric functions, application of derivatives to business problems; and related rates and maximum/minimum problems. Prerequisites: Challenge examination or MATH 1200.

MATH 2100 Calculus I (4 credits) Functions, limits, and derivatives of algebraic functions. Introduction to derivatives of trigonometric functions, logarithmic functions; application of derivatives to physics problems; related rates and maximum/minimum problems, and definite and indefinite integrals with applications. Prerequisite: Challenge examination or MATH 1250.

MATH 2100H Calculus I Honors (4 credits) This honors course covers functions, limits, derivatives, and integrals with more in-depth topics, more broad investigations, plus technology integration. Course topics include derivatives of trigonometric functions, logarithmic functions, application of derivatives to physics problems, related rates and maximum/minimum problems, curve sketching, and definite and indefinite integrals with applications. Prerequisite: Math 1250, Honors students only.

MATH 2200 Calculus II (4 credits) Riemann sums; the definite integral; method of integration; continuation of exponential, logarithmic functions, and inverse trigonometric functions. L'Hopital's rule and improper integrals. Prerequisite: MATH 2100.

MATH 3020 Applied Statistics (3 credits) An introductory course in the use of descriptive and inferential statistics. Topics include graphical and numerical descriptive measures, probability, common random variables and their distributions, sampling procedures, confidence intervals, and hypothesis testing (including tests for independence and goodness of fit). Prerequisites: MATH 1030 or higher.

MATH 3020H Applied Statistics Honors (3 credits) This course includes the use of descriptive and inferential statistics. Topics cover graphical and numerical descriptive measures, probability, common random variables and their distributions, sampling procedures, confidence intervals, and hypothesis testing including test for independence and goodness of fit. This course also covers simple and multiple regressions, diagnostics, testing, and nonparametric tests. Prerequisites: Math 1030, Honors students only.

MATH 3030 Applied Statistics II (3 credits) Introductory aspects of inferential statistics and experimental design are covered. Course material includes hypothesis testing and estimation, analysis of variance, multiple comparison procedures, linear and multiple correlation and regression methods, chi-square tests, nonparametric techniques, and elementary design of experiments. Stress will be placed on interpreting studies that employ these techniques. Prerequisite: MATH 3020.

MATH 3100 Differential Equations (3 credits) Solving first-order ordinary differential equations: exact, separable, and linear. Applications to rate and mechanics, theory of higher-order linear differential equations. Methods of undetermined coefficients and variation of parameters; application to vibration, mass, and electric circuits; and power series solutions. Partial differential equations and their application to electronics and electrical engineering problems. Solutions of initial boundary problems. Fourier series, Fourier transforms, inhomogeneous problems, Laplace transforms, and introduction to numerical methods. Prerequisite: MATH 2200.

MATH 3250 Euclidean Geometry (3 credits) Plane Euclidean geometry starts with a vocabulary of terms, definitions, and postulates, works its way into direct and indirect proofs, and finishes with similar figures, triangles, circles, and areas. The study of coordinate, solid, and non-Euclidean geometrics will be left as an option (directed study) for the interested individual student. Prerequisite: MATH 1200.

MATH 3300 Introductory Linear Algebra (3 credits) Appropriate for any student seeking a first course in linear algebra. The focus of the course is on matrix theory and its applications. Prerequisites: MATH 2200 or division approval.

MATH 3350 Number Theory (3 credits) Designed primarily for secondary math education majors. Topics covered divisibility, theory of primes, numerical functions, and congruence classes. Prerequisites: MATH 2200 or MATH 3250.

MATH 3900 History of Mathematics (3 credits) Designed primarily for secondary math education majors. Includes from the early development in mathematics to current thinking. Students will gain the perspective that mathematics is the cumulative creation of many people over time. Prerequisites: MATH 2200, MATH 3250 and MATH 3350.

MATH 3999 Prior Learning Credit in Mathematics (1-12 credits) This course number and prefix indicate award of upper-level undergraduate prior learning credit in mathematics. This course is repeatable up to 12 credits. Prerequisite: approval of director.

MATH 4020 Applied Regression Analysis (3 credits) An applied course in regression analysis discussing simple, multiple regression; exponential and logistic regression; resolution of fit of a model, including, residual analysis; precision of estimate; ANOVA and tests of general hypotheses; model building; step-wise regression; use of indicator variables, and Multi co-linearity. Prerequisite: MATH 3030.

MATH 4040 Applied Multivariate Statistical Analysis (3 credits) An applied course in multivariate statistical analysis. This includes the study of the multivariate normal distribution and inference about one and several multivariate means. Also, students will study principal components and factor analysis and apply such techniques to real multivariate data. Also, the study of classification and cluster analysis will enable the students to better apply such techniques in marketing research, biological models and social studies. Prerequisite: MATH 3030 and MATH 3300.

MATH 4050 Advanced Calculus I (3 credits) Begins with analytic geometry and vectors in several dimensions and continues with partial differentiation of functions of several variables; and applications, including linear programming, multipliers, and linear regression. Finally, double and triple integrals and their applications are also covered. Prerequisite: MATH 2200.

MATH 4060 Advanced Calculus II (3 credits) Begins with a study of vector functions of one variable and their applications and continues with vector fields including line and surface integrals. The major theorems of vector calculus, including the divergence theorem, Green's Theorem, and Stoke's Theorem, are also covered. Prerequisite: MATH 4050.

MATH 4080 Introduction to Statistical Computations (3 credits) This class gives the students the opportunity to learn writing codes for performing statistical analysis and data manipulation including writing their own functions or macros in one of the high level programming languages. Students will have a better hand on one/more statistical programming language(s) so as to carry statistical analysis. Students will be prepared to handle and manipulate different types of data files and write their own functions (Macros) to perform specific procedures. Prerequisites: MATH 3030 and MATH 3300.

MATH 4500 Probability & Statistics (3 credits) Probability functions, random events, expectation, conditional probability

distribution functions, and foundations of statistics. Prerequisite: MATH 2200.

MATH 4950 Internship in Mathematics (1-12 credits) A work experience for 16 weeks in the student's major area of study or area of career interest. Consult academic division for specific details and requirements. Prerequisites: cumulative GPA of 2.5 or higher, major GPA of 3.0 or higher, completion of 60 or more credit hours, supervision of instructor, and permission of academic director.

MATH 4990 Independent Study in Mathematics (1-3 credits) The student selects and independently carries out, library and/or empirical research. Faculty supervision is provided on an individual basis. Prerequisite: Determined by faculty and division director.

MBIO

MBIO 1999 Prior Learning Credit in Marine Biology (1-12 credits) This course number and prefix indicate award of lower-level undergraduate prior learning credit in marine biology. This course is repeatable up to 12 credits. Prerequisite: approval of director.

MBIO 2400 Marine Biology (3 credits) This introductory course for the Marine Biology major will acquaint the student with basic principles of marine biology and function as a complementary course to Oceanography (MBIO 2500). The course will touch upon basic aspects of physical, chemical, and geological oceanography, and then focus upon marine communities found in the open ocean, deep sea, coastal shelf and inter-tidal regions. Phylogenetic relationships, organism function, species diversity, symbiotic relationships, and ecological interactions will be examined. Prerequisite: MATH 1030.

MBIO 2500 Oceanography/Lab (4 credits) This introductory course for the Marine Biology major will expose the student to more comprehensive principles of physical, chemical and geological oceanography, and functions as a complementary course to Marine Biology (MBIO 2400). Oceanographic sampling and laboratory analysis techniques will be covered. Prerequisite: MATH 1030.

MBIO 2910 Introductory Marine Biology Field Topics (1-3 credits) Introductory topics in marine biological science that are not included in regular course offerings. Specific content and prerequisites are announced in the course schedule for a given term. Students may reenroll for different topics. Prerequisite: Permission of the instructor.

MBIO 3350 Gulf Stream Ecology (3 credits) This course will be team-taught by experts in a range of different oceanographic sub-disciplines. In this way, students will gain hands-on field and laboratory experience working with a range of organisms collected from several local habitats. Topics explored will include microbial ecology, macroinvertebrate ecology, and vertebrate ecology. Students will become familiar with the techniques used to collect and study these different groups in the field. In the laboratory, they will make detailed observations and conduct experiments to elucidate their function. Prerequisite: MBIO 2400 or permission of the instructor.

MBIO 3650 Marine Vertebrates (3 credits) This course is an introduction to marine vertebrates and their evolution, systematics, anatomy, physiology, ecology, and behavior. The focus will be on the organisms and their interactions with the marine environment, their interactions with each other, and their interactions with other species. A major goal will be to explain the great diversity and adaptations of vertebrate animals with examples involving local marine species. Prerequisite: MBIO 2400 or permission of the instructor.

MBIO 3750 Coral Reefs and Coral Communities (3 credits) This class introduces students to the biology and ecology of corals and coral-associated organisms. Topics include coral distribution, abundance, diversity, taxonomy, endosymbionts; reproduction, predator-prey relationships, and anthropogenic and natural disturbances. Active classroom discussion will be encouraged during and following the presentation of material by the professor. A formal discussion period on selected papers will be conducted during each class. Material will be presented from a global perspective, with focus on South Florida and Caribbean marine environments. Two weekend field trips are required. Prerequisite: MBIO 2400 or permission of the instructor.

MBIO 3900 Special Topics in Marine Science (3 credits) Topics in marine biology not included in a regular course offering. May be repeated for special topics covering different content. Prerequisite: MBIO 2400 or permission of the instructor.

MBIO 3999 Prior Learning Credit in Marine Biology (1-12 credits) This course number and prefix indicate award of upper-level undergraduate prior learning credit in marine biology. This course is repeatable up to 12 credits. Prerequisite: approval of director.

MBIO 4210 Ecology of the Great Barrier Reef (3 credits) This course is an intensive academically rigorous experience designed to provide students with an integrated understanding of reef ecology. The remote location in a protected marine area provides access to an unequaled classroom setting. A typical day involves lectures, snorkeling, field write-ups, oral presentations, and compilation of faunal trips lists. There are reefs in the lagoon and boats are taken to outlying reef areas. Prerequisite: MBIO 2400 or permission of the instructor.

MBIO 4230 Belize Reef Ecology (3 credits) This course is intended as an entry-level residential field experience for marine science majors. The primary focus of the course is a weeklong field experience at South Water Caye, Belize. Students undertake projects to be completed during their stay on the Caye. A written paper must be submitted. This experience provides complete immersion in the subject matter and brings together a number of academic disciplines; it also provides a synthesis of information enabling students to incorporate knowledge from prior coursework in a field setting. Prerequisite: MBIO 2400 or permission of the instructor.

MBIO 4250 Ecology of the Galapagos Islands (3 credits) This intensive lecture and field experience will introduce and amplify principles of evolutionary ecology in the unique setting of the Galapagos Islands. Lectures will cover the historical, geological and biological aspects of the archipelago. The field portion of the course will include visits to the Charles Darwin Research Station and Galapagos National Park Service on the Island of Santa Cruz and a one-week cruise to visit islands in the southern, central and western portions of the archipelago. Prerequisite: MBIO 2400 or permission of the instructor.

MBIO 4350 The Biology and Ecology of the Manatee (3 credits) This course will provide an introduction to the basic biology and ecology of the sirenia with focus on the Florida Manatee (Trichechus manatus latirostris). The course incorporates field observations with lecture material to give the student a comprehensive overview of the sirenia. The course begins with a 3-day field trip to Crystal River at the end of Winter break to observe manatee behavior in the wild. This is followed by 7 2-hour evening lectures. Prerequisite: MBIO 2400 or permission of the instructor.

MBIO 4910 Advanced Marine Biology Field Topics (1-3 credits) Advanced topics in marine biology that are not included in regular course offering. Specific content and and prerequisites announced in the course schedule prerequisites announced in the course schedule for a given term. Students may reenroll for different content. Prerequisite: MBIO 2400 or permission of the instructor.

MBIO 4950 Internship in Marine Biology (1-12 credits) A work experience for 16 weeks in the student's major area of study or area of career interest. Consult academic division for specific details and requirements. Prerequisites: cumulative GPA of 2.5 or higher, major GPA of 3.0 or higher, completion of 60 or more credit hours, supervision of instructor, and permission of academic director.

MBIO 4990 Independent Study Marine Biology (1-3 credits) The student selects and independently carries out library and/or empirical research. Faculty supervision is provided on an individual basis. Prerequisite: Determined by faculty and division director.

PHIL

PHIL 1300 Critical Thinking (3 credits) A study of the basic conceptual tools needed to recognize formulate, and evaluate arguments. Designed for the student who wishes to reason more effectively and critically. Prerequisite: COMP 1500.

PHIL 1999 Prior Learning (1-12 credits) This course number and prefix indicate award of lower-level undergraduate prior learning credit in philosophy. This course is repeatable up to 12 credits.

PHIL 2000 Moral Issues (3 credits) This course provides an introduction to moral reasoning through a philosophical examination of important ethical concepts, such as ethical theory, relativism, egoism, and virtue. Topical moral problems such as world hunger, abortion, and animal rights (among others) will be used as illustrative examples. Students will be introduced to the idea that ethical problems are largely a matter of reason - that progress toward solutions can be gained through an application of normative ethical (philosophical) theory. Prerequisite: COMP 1500.

PHIL 2300 Philosophical Issues (3 credits) A study of the basic problems, methods, and chief types of philosophy. Consideration will be given to the relation of philosophy to other forms of inquiry. Prerequisite: COMP 1500.

PHIL 3010 Ethical Issues in Communication (3 credits) This course provides an introduction to moral reasoning through a philosophical examination of major ethical problems in communications, such as those encountered by media professionals; conflicts of interest, morally offensive content, media influences on anti-social behavior, confidential sources, privacy, truth and honesty in reporting among others. Student will be introduced to the idea that ethical problems are largely a matter of normative ethical (philosophical) theory. Prerequisite: COMP 2000, 2010, or 2020.

PHIL 3180 Biomedical Ethics (3 credits) This course provides an introduction to moral reasoning through a philosophical examination of major problems in biomedical ethics, such as abortion, euthanasia, allocation of resources, medical experimentation, genetic engineering, confidentiality, among others. Students will be introduced to the idea that ethical problems are largely a matter of reason; that progress toward solutions can be gained through an application of normative ethical (philosophical) theory. Prerequisite: COMP 2000, 2010 or 2020.

PHIL 3180H Biomedical Ethics Honors (3 credits) This course provides an introduction to moral reasoning through a philosophical examination of major problems in biomedical ethics, such as abortion, euthanasia, allocation of resources, medical experimentation, genetic engineering, confidentiality, among others. Students will be introduced to the idea the ethical problems are largely a matter of reason, that progress toward solutions can be gained through an application of normative ethical (philosophical) theory. Prerequisite: COMP 2000, 2010, or 2020. Honors students only.

PHIL 3200 Ethics and Sport (3 credits) This course provides an introduction to moral reasoning through a philosophical examination of major problems in sports, such as the nature of sportsmanship, drugs, violence, commercialization, and gender equality, among others. Students will be introduced to the idea that ethical problems are largely a matter of reason; that progress toward solutions can be gained through an application of normative ethical (philosophical) theory. Prerequisite: COMP 2000, 2010 or 2020.

PHIL 3220 Philosophy Of Science (3 credits) A study of the conceptual foundations of modern science. The course focuses on the philosophical analysis of scientific method and its basic concepts and assumptions. Prerequisite: COMP 2000, 2010, or 2020.

PHIL 3330 History of Political Thought I (3 credits) A study of the classic works of political philosophy from the ancients through the early modern period. (e.g., Plato, Aristotle, Augustine, Aquinas, Machiavelli). Prerequisite: COMP 2000, 2010, or 2020.

PHIL 3340 History of Political Thought II (3 credits) A study of the classic works of political philosophy from the modern period through the present (e.g., Hobbes Locke, Rousseau, Mill, Marx). Prerequisite: COMP 2000, 2010, or 2020.

PHIL 3360 Environmental Ethics (3 credits) A study of the classic works of political philosophy through a philosophical examination of major problems in environmental ethics, such as the relationship between human beings and living and non-living environment, controlling nature, and land use, assessing risk, responsibility to future generations, and the roles of science, among others. Students will be introduced to the idea that ethical problems are largely a matter of reason; that progress toward solutions can be gained through an application of normative ethical (philosophical) theory. Prerequisite: COMP 2000, 2010, or 2020.

PHIL 3660 Philosophy of Law (3 credits) A critical examination of basic analytic and normative questions pertaining to law. The course may include such topics as the nature of law, law and morality, legal responsibility, civil disobedience, and the justification of punishment. Prerequisite: COMP 2000, 2010, or 2020.

PHIL 3999 Prior Learning (1-12 credits) This course number and prefix indicate award of upper-level undergraduate prior learning credit in philosophy. This course is repeatable up to 12 credits.

PHIL 4900 Special Topics in Philosophy (3 credits) A careful and critical study of one or more of the outstanding works in philosophy and/or an indepth study of one philosophical issue. May be repeated once for credit if content changes and with written consent of division director. Prerequisite: one PHIL course; and COMP 2000, 2010, or 2020.

PHIL 4990 Independent Study (1-3 credits) The student selects, and carries out independently, library and/or empirical research. Faculty supervision is provided on an individual basis. Written consent of instructor and division director required. Prerequisite: one PHIL course; and COMP 2000, 2010, or 2020.

PHYS

PHYS 1020 Concepts in Physical Science (3 credits) This course is designed to introduce the student to the basic concepts of physical science. By surveying the fundamentals of physics and related sciences the student will obtain an appreciation of the basic tenets of science in general. The emphasis will be on the nature of science as a creative human enterprise, the key role that it plays in modern society, its relationship to technology and thereby to the environment, its open-ended character as reflected in the dynamic nature of scientific concepts, and the human qualities of scientists and their social responsibility. Prerequisite: MATH 1030.

PHYS 1021 Concepts in Science Lab (1 credit) This laboratory course connects science with teaching and the real world. Students are taught how to convert scientific themes into investigative packets for the curious nature of the elementary/middle school child. The lab uses easily accessible equipment and supplies. Prerequisites: BIOL 1100 and PHYS 1020. PHYS 2160 is recommended as either a corequisite or prerequisite. All prerequisites with a C- or higher.

PHYS 1060 Introduction to Oceanography (3 credits) Examination of the physical, chemical, biological, and geological properties of the world's oceans. The interdisciplinary approach will introduce concepts important in understanding the development and current status of oceanographic research for the nonscience major.

PHYS 1500 Introduction to Astronomy (3 credits) General survey of main topics in astronomy, including the sun/planets, the solar system, galaxies/nebulae, black holes/neutron stars, stellar evolution, and cosmology.

PHYS 1999 Prior Learning Credit in Physics (1-12 credits) This course number and prefix indicate award of lower-level undergraduate prior learning credit in physical sciences. This course is repeatable up to 12 credits. Prerequisite: approval of director.

PHYS 2050 Physical Geology/Lab (4 credits) Study of the Earth, its materials, surface, interior features and processes of formation and change. Includes laboratory sessions.

PHYS 2150 Historical Geology/Lab (4 credits) Study of the Earth's history through geologic time and its major geologic periods, formations, and evolution as evidenced through the fossil record. Prerequisites: BIOL 1500 and BIOL 1510.

PHYS 2160 Essentials of Earth and Space Science (3 credits) This course will cover topics from earth science, including the basic concepts needed to understand geology, oceanography, the atmosphere, the weather, and earth history. Topics from space science will include the sun, planets, solar system, the galaxy and larger structures, the composition and evolution of stars, cosmology, and exotic objects such as quasars and black holes. Prerequisite: PHYS 1020.

PHYS 2161 Essentials of Earth and Space Science Lab (1 credit) This laboratory series connects science with teaching of the real world. Students are taught how to convert scientific themes into investigative packets for the curious nature of the middle school student. The lab will be taught in a format that utilizes easily accessible equipment/supplies and uses resources that are generally available within the community. Laboratory exercises connect earth science with geologic time periods, fossilization, mapping, weathering, and identification of major groups of rock and minerals. Laboratory exercises are also created to foster an understanding of the solar system and universe through star mapping, analyzing data from NASA images, and connections between the physical attributes of earth and her sister planets.

PHYS 2350 General Physics I/Lab (4 credits) First of a two-part series covering mechanics, thermodynamics, vibrations, and waves. Includes laboratory sessions. Prerequisite: MATH 1250.

PHYS 2351 General Physics I (3 credits) First of a two-part series covering mechanics, thermodynamics, vibrations, and waves. This course does not include a lab. Prerequisite: MATH 1250.

PHYS 2352 General Physics I Lab (1 credit) First of a two-part laboratory session covering mechanics, thermodynamics, vibrations, and waves. Prerequisites: MATH 1250 and division approval.

PHYS 2360 General Physics II/Lab (4 credits) Second of a two-part series covering electricity and magnetism, optics, and modern physics. Includes laboratory sessions. Prerequisites: PHYS 2350 and MATH 1250.

PHYS 2361 General Physics II (3 credits) Second of a two-part series covering electricity and magnetism, optics, and modern physics. The course does not include a lab. Prerequisites: MATH 1250 and PHYS 2350.

PHYS 2362 General Physics II Lab (1 credit) Second of a two-part laboratory session covering electricity and magnetism, optics, and modern physics. Prerequisites: MATH 1250 and division approval.

PHYS 2400 Physics I/Lab (4 credits) Basic principles of mechanics, including vectors, force, equilibrium, displacement, velocity, acceleration, mass, Newton's Laws, work energy, gravitation, momentum, rotational motion, mechanics of systems of particles and rigid bodies. Includes laboratory sessions. Prerequisite: MATH 2200.

PHYS 2500 Physics II/Lab (4 credits) Calculus based physics includes electrostatics, electric currents, electric fields and electric potential, AC and DC circuits, magnetic fields, capacitance, inductance, and electromagnetic waves. Includes laboratory sessions. Prerequisites: PHYS 2400 and MATH 2200.

PHYS 3010 Acoustics Of S & H (3 credits) No Description is Available

PHYS 3100 Introduction to Biophysics (3 credits) Applications of basic physical principles to problems in biology and medicine. Topics include mechanical aspects of the skeletal and muscular systems, fluid mechanics, osmosis and diffusion, effects of radiation on living systems, metabolism, medical imaging, the physics of sight and hearing and the electrical properties of the nervous system and heart. Prerequisites: BIOL 1500 and prerequisite or co-requisite PHYS 2360.

PHYS 3300 Fundamentals of Optics (3 credits) This is an introductory optics course suitable for students without a calculus background. It covers the fundamental principles of geometrical and physical optics with some emphasis on the optics of vision. It also serves as an introduction for students of optometry and related sciences. Prerequisites: MATH 1250 and PHYS 2350 or higher.

PHYS 3500 Mechanics (3 credits) This course covers basic topics in the mechanics of systems of particles and rigid bodies. Topics covered include vectors, rectilinear and planar motion, non-inertial coordinate systems and fictitious forces, oscillations, three-dimensional motion, gravity, central forces, and Lagrangian mechanics. Prerequisites: PHYS 2500 or PHYS 2360, and MATH 2200.

PHYS 3600 Introduction to Electromagnetic Fields (3 credits) This course covers the fundamentals of electromagnetic theory. Topics covered include vector calculus, electrostatics, magnetostatics, solutions of Laplace and Poisson equations, electric and magnetic fields inside matter, Maxwell's equations, and electromagnetic waves. 2500 or PHYS 2360 and MATH 2200.

PHYS 3700 Introduction to Modern Physics (3 credits) This is an introductory modern physics course suitable for students without a calculus background. It will cover special relativity, quantum mechanics, nuclear, and particle physics. The concepts will be applied to a variety of situations, including some in the field of medicine. Prerequisites: MATH 1250 and PHYS 2360 or higher.

PHYS 3750 Modern Physics II (3 credits) Continuation of PHYS 3700. This course covers introductory quantum mechanics, including Hilbert spaces, the Schrodinger equation, spin, and perturbation theory. Applications to one-dimensional problems, the harmonic oscillator, and the hydrogen atom are included. Prerequisites: PHYS 3700 and MATH 2200.

PHYS 3800 Introduction to Elementary Particle Physics (3 credits) Introduction to particle physics, covering topics that include group theory, properties of elementary particles, the electromagnetic, strong and weak nuclear interactions, gauge theories, and unification. Prerequisites: PHYS 3700 and PHYS 3750.

PHYS 3999 Prior Learning Credit in Physics (1-12 credits) This course number and prefix indicate award of upper-level undergraduate prior learning credit in physical sciences. This course is repeatable up to 12 credits. Prerequisite: approval of director.

PHYS 4900 Special Topics in Physics (1-3 credits) Topics in physical science that are not included in regular course offerings and may be taken without prerequisites. Special content is announced in

the course schedule for a given term. Students may re-enroll for special topics covering differing content.

PHYS 4950 Internship in Physics (1-12 credits) A work experience for 16 weeks in the student's major area of study or area of career interest. Consult academic division for specific details and requirements. Prerequisites: cumulative GPA of 2.5 or higher, major GPA of 3.0 or higher, completion of 60 or more credit hours, supervision of instructor, and permission of academic director.

PHYS 4990 Independent Study in Physics (1-12 credits) The student selects, and carries out independently, library and/or empirical research. Faculty supervision is provided on an individual basis. Prerequisite: to be determined by the faculty and division director.

POLS

POLS 1010 American Government & Politics (3 credits) An introduction to the processes of the American national and local forms of government. Included are the nature and structure of government, its characteristics and functions, and the intimate relation of government to other interests.

POLS 1999 Prior Learning in Politics and Public Affairs (1-12 credits) This course number and prefix indicate award of lower-level undergraduate prior learning credit in politics and public affairs. This course is repeatable up to 12 credits.

POLS 2010 Comparative Government (3 credits) This course will examine the elements of foreign political systems such as constitutions, political parties, institutions, historical development and ideology using the United States as a frame of reference. Attention will be given to how legislation is enacted, how elections are conducted, and the relationship between the judicial, executive, and legislative branches of government.

POLS 3999 Prior Learning in Politics and Public Affairs (1-12 credits) This course number and prefix indicate award of upper-level undergraduate prior learning credit in politics and public affairs. This course is repeatable up to 12 credits.

PSYC

PSYC 1020 Introduction to Psychology (3 credits) An introduction to theory, research and applications in the field of psychology. Topics include biological bases of behavior, perception, learning and memory, psychological development, personality, social psychology, and the identification and treatment of mental illness.

PSYC 1410 Personal Career Development (3 credits) The process of career development applied to oneself: identifying vocational interests and aptitudes, obtaining information about occupations, and establishing career plans. Useful for students adjusting to the college role.

PSYC 1999 Prior Learning in Psychology (1-12 credits) This course number and prefix indicate award of lower-level undergraduate prior learning in Psychology. This course is repeatable up to 12 credits.

PSYC 2000 Introduction to the Counseling Profession (3 credits) Overview of the history and foundational aspects of counseling including legal aspects, the importance of the helping relationship, basic skills, requirements for working in specific settings, and the expertise needed for working with special populations.

PSYC 2110 Human Sexuality (3 credits) Anatomy/physiology of the human sexual system, human sexual response, the range of sexual behaviors, and sources of attitudes and beliefs about sexuality.

PSYC 2110H Human Sexuality Honors (3 credits) Anatomy/physiology of the human sexual system, human sexual response, the range of sexual behaviors, and sources of attitudes and beliefs about sexuality. Honors students only.

PSYC 2130 Family Relationships (3 credits) Contemporary patterns of marriage and family living. Approaches to effective living together in family units. Coverage of both adult and parent-child relationships. Emphasis on communication, supportiveness, and contingency management. Experiential learning included. Identical to SOCL 2130.

PSYC 2330 Interpersonal Communication (3 credits) Study of human communications, interpersonal relationships, and the impact of communication on behavior. Topics include verbal and nonverbal behavior, development of relationships, and conflict management skills. Experiential learning included.

PSYC 2330H Interpersonal Communication Honors (3 credits) Study of human communications, interpersonal relationships, and the impact of communication on behavior. Topics include verbal and nonverbal behavior, development of relationships, and conflict management skills. Experiential learning included. Prerequisite: Honors Students Only

PSYC 2350 Life-Span Human Development (3 credits) This course is designed to provide the student with an understanding of systematic changes within the individual from conception through death. Unlike many studies of development, this course is structured around issues of development rather than examination of development from a chronological perspective. This structure will allow the student to more completely grasp life-span issues. Family, social roles, lifestyle, psychological disorders, mental abilities, and death and dying will be examined. Prerequisite: PSYC 1020.

PSYC 2360 Adolescent Psychology (3 credits) This course will provide an overview of the principles, theories, and research pertaining to the development of the adolescent. Topics include physical, emotional, social, intellectual, moral, and personality development, as well as the importance of the home, school, and community. Prerequisite: PSYC 1020.

PSYC 2370 Early Childhood Growth and Development (3 credits) Students in this course will critically examine theories and research concerning the cognitive, social-emotional, and physical development of the typical and atypical child from birth to age eight. Emphasis will be placed on the ability to observe and describe child behavior and to understand the principles and processes that govern growth and development in the early childhood years. Implications of knowledge of child development for parental behavior, professional practices, and social policy will also be considered. Prerequisite: PSYC 1020.

PSYC 2380 Child and Adolescent Development (3 credits) Aspects of growth and development during childhood and adolescence: physiological, cognitive personality, and social. Prerequisite: PSYC 1020.

PSYC 2390 Adulthood and Aging (3 credits) Developmental experiences of maturity. Physiological and psychological aspects of aging.

PSYC 2450 Forensic Psychology (3 credits) This course covers the interaction of psychology and the legal system. Students will learn how psychologists help courts make decisions about the competency of people to stand trial, insanity, sentencing, committing people to psychiatric treatment against their will, competency to manage one's own affairs, and awarding money for psychological harm. Prerequisite: PSYC 1020.

PSYC 2460 Health Psychology (3 credits) This course covers stressors and health, health behavior promotion, and psychological treatment for cancer, heart disease, and other medical disorders. Prerequisites: PSYC 1020.

PSYC 2470 Loss, Grief, and Bereavement (3 credits) This course addresses the issues of loss accompanying the death of a loved one and the handling of grief for people of all ages. Sensitizes students to their own feelings about death, describes the rites of passage, and identifies methods of resolution for grief. This course will be beneficial to individuals in their own lives, as well as those who will be involved in counseling.

PSYC 2500 Psychology Of Leadership (3 credits) This course covers the goals of leadership, the assessment of leader performance, leadership theories, leadership practices, principles of leadership in varying cultures and types of organizations, and situational and personality influences on leadership. Students will apply leadership principles in natural settings. Prerequisites: PSYC 1020 and SPCH 1010 or 2020.

PSYC 2800 Introductory Practicum (3 credits) An introductory field experience to broaden the student's education. Placement in a research setting, community agency or human resource department. Report required supervision on-site and by the academic division.

PSYC 2920 Special Topics (3 credits) Topics in psychology that are not included in regular course offerings and may be taken without prerequisites. Specific content is announced in the course schedule for a given term. Students may re-enroll for special topics covering different content.

PSYC 2930 Special Topics (3 credits) Topics in psychology that are not included in regular course offerings and may be taken without prerequisites. Specific content is announced in the course schedule for a given term. Students may re-enroll for special topics covering different content.

PSYC 2940 Special Topics (3 credits) Topics in psychology that are not included in regular course offerings and may be taken without prerequisites. Specific content is announced in the course schedule for a given term. Students may re-enroll for special topics covering different content.

PSYC 2960 Special Topics (3 credits) Topics in psychology that are not included in regular course offerings and may be taken without prerequisites. Specific content is announced in the course schedule for a given term. Students may re-enroll for special topics covering different content.

PSYC 2970 Special Topics (3 credits) Topics in psychology that are not included in regular course offerings and may be taken without prerequisites. Specific content is announced in the course schedule for a given term. Students may re-enroll for special topics covering different content.

PSYC 2980 Special Topics (3 credits) Topics in psychology that are not included in regular course offerings and may be taken without prerequisites. Specific content is announced in the course schedule for a given term. Students may re-enroll for special topics covering different content.

PSYC 2990 Special Topics (3 credits) Topics in psychology that are not included in regular course offerings and may be taken without prerequisites. Specific content is announced in the course schedule for a given term. Students may re-enroll for Special Topics covering different content.

PSYC 3000 Psychological Research Methods (3 credits) Research designs commonly used in psychology: observational experimental, and quasi-experimental. Steps in doing research including use of the APA format for writing reports Prerequisites: PSYC 1020 and MATH 3020.

PSYC 3030 Experimental Psychology (Laboratory) (3 credits) Laboratory experience in various areas of experimental psychology. Covers experiments and reports on sensation and perception, motivation, learning and memory, and the measurement of ability and personality factors. Prerequisite: PSYC 1020.

PSYC 3070 Stress Management (3 credits) This course examines the process and complexities of stress management, its impact on the work place, and the overall quality of work life in an organization. Stressful events and conditions will be presented and analyzed from three perspectives individual vulnerability to stressors, the environment in which vulnerability is exposed to stressors, and the resulting behavioral symptoms. Prerequisites: PSYC 1020.

PSYC 3160 Social Psychology (3 credits) Social determinants of individual behavior. Psychological issues of current social relevance such as attraction, propaganda and advertising, aggression and TV violence, prejudice, and conformity. Prerequisite: PSYC 1020.

PSYC 3180 Stereotypes, Prejudice, and Discrimination (3 credits) Examination of how individuals, groups, and cultures develop stereotypes. The class also explores how these stereotypes are used for prejudicial and discriminatory purposes to other individuals and/or groups. Prerequisite: PSYC 1020.

PSYC 3210 Personality (3 credits) Survey of psychoanalytic, humanistic, cognitive, and behavioral theories of personality. Current issues and personality research. Prerequisites: PSYC 2350 or 2380.

PSYC 3260 Abnormal Psychology (3 credits) Diagnoses, causes, and prognoses for the various categories of psychological disorders. Case studies supplement and illustrate theory and research. Prerequisite: PSYC 1020.

PSYC 3300 Behavior Modification (3 credits) Behavior modification techniques applied to diverse areas such as mild and severe behavior problems in children and adults, behavior medicine, organizational behavior, sports psychology, and self-management. Prerequisite: PSYC 1020.

PSYC 3360 Psychology of Gender (3 credits) This course examines theories about, as well as the psychological and social factors related to, gendered identities, roles, and behaviors. Prerequisites: PSYC 1020 or SOCL 1020.

PSYC 3400 Sports Psychology (3 credits) This course includes an analysis of the social and psychological dimensions in sport. Emphasis is placed on social and psychological theories and research related to physical activity, physical education, corporate fitness, and athletic programs. Prerequisite: PSYC 1020

PSYC 3450 Foundations of Therapeutic Interviewing (3 credits) General principles of effective interviewing. Skills and techniques for achieving various interview goals, with an emphasis on counseling interviews and the establishment of helping relationships. Prerequisites: PSYC 1020 and PSYC 2330.

PSYC 3480 Industrial/Organizational Psyc (3 credits) Survey of psychology as applied to work emphasizing a general knowledge of industrial/organizational psychology as well as its application to the solving of real-world problems. Discussion of personnel decisions, organizational training, organizations and their influence on behavior, job satisfaction, job design, and organizational development, human factors, and environmental stressors on workers. Prerequisite: PSYC 1020.

PSYC 3500 Community Psychology (3 credits) Prevention, recognition, and mobilization of individual and community resources for helping solve psychological problems. The role of psychologically trained change agents in the human services field. Prerequisites: PSYC 1020

PSYC 3510 Human Learning and Cognition (3 credits) Theories and research concerning human learning and cognition. Covers conditioning, verbal learning, memory, and problem solving. Prerequisites: PSYC 1020.

PSYC 3550 Substance Abuse and the Family (3 credits) Emphasis will be on family problems as well as changes in family functioning that accompany chemical dependency. The concept of substance abuse as a family illness and the roles within the family as they relate to both maintaining addiction and affecting the recovery process will be explored. Family systems theory of counseling will be introduced. Domestic violence issues will also be covered. Identical to SOCL 3550.

PSYC 3570 Psychology and Physiology of Substance Abuse (3 credits) This course will provide a sound introduction to the pharmacology and physiology of licit and illicit drugs. Psychological effects of psychoactive substances will be explored. Signs and symptoms of substances abuse, diagnostic criteria for evaluating chemical dependency (including familiarization with the DSM-IV) and physical and psychiatric disorders related to substance abuse will be studied. Among the topics covered will be AIDS, an introduction to dual diagnosis, relapse, and relapse prevention.

PSYC 3580 Rehabilitation Strategies for Substance Abuse (3 credits) This course will focus on the various types of therapeutic approaches that may be successfully employed in the treatment of substance abuse problems and the types of facilities available. Treatment planning, clinical documentation and supervision, influences of managed care and other third-party payers will be thoroughly examined. Special needs and approaches to rehabilitation for women, adolescents, and specific cultural groups will be addressed. Intervention strategies, including information and referral services, self-help groups, and employee-assistance programs will also be covered. Ethical and treatment issues related to managed care and the rehabilitation process will be discussed.

PSYC 3600 Criminal Justice and Substance Abuse (3 credits) This course will focus on the interface between treatment providers and the criminal justice system. The student will learn how to work within the various levels of the court system (juvenile, appellate, superior), as well as diversionary programs, such as drug court. Involuntary commitment procedures, state regulations and federal requirements will be explored in detail. In addition, the social impact and historical influences of drugs on society will be examined.

PSYC 3620 Drug Prevention and Education (3 credits) The classification and identification of drugs as well as behavioral criteria for recognizing alcohol and drug abuse are reviewed. Specific attention is paid to prevention, intervention, and education strategies within the family, school, and the community. Methods for designing, implementing, and evaluating effective prevention programs among various cultures are examined. This course is designed to be of immediate practical use to counselors, teachers, and other professionals interested in effective drug prevention and education.

PSYC 3630 Ethical and Professional Developments (3 credits) This course examines personal professional ethical issues faced by counselors today. Conflicts among personal, legal and professional demands will be explored in depth. Students will learn to recognize agents of change and resistance through personal experience in the classroom. This course will also focus on how the mental health professional becomes upwardly mobile within the field. Personal marketing strategies, in the context of ethical considerations, will be discussed.

PSYC 3710 History and Theories of Psychology (3 credits) Exploration of the historical roots of psychology, and the bases and growth of psychology as a science. Examines the major historical and contemporary theories of psychology, with an emphasis on enduring issues. Prerequisite: PSYC 1020.

PSYC 3750 Gender and Counseling (3 credits) This course covers the issues of gender in the counseling and psychotherapy field. Issues pertinent to gender, unique problems of gender, and the dynamics of the therapeutic relationship that are predicated on gender will be covered. Prerequisites: PSYC 2000 or PSYC 3450.

PSYC 3760 Multicultural Issues in Psychology (3 credits) Issues relevant to the field of psychology. Examinations of different cultural groups and their values as they pertain to the individual, the family, time, proxemics (personal and interpersonal space), communication styles, and body language. Different cultural worldviews will be explored as they pertain to locus of control, conception of mental illness, and attitude toward seeking psychological help. Prerequisite: PSYC 1020.

PSYC 3800 Current Psychotherapies (3 credits) This course is designed for the advanced undergraduate student. It is also intended for those in the field who desire a refresher course in counseling theory and practice. It is a comprehensive introduction into the most popular counseling theories and techniques currently in use. The needs of special populations, including substance abuse clients, adolescents and clients from other cultures are examined. Format for this course includes lecture and discussion sessions, role playing, and audio/videotape critique sessions.

PSYC 3950 Brief Therapy (3 credits) This course focuses on the introduction of brief modes of working therapeutically with clients. Topics include a theoretical/philosophical approach to brief therapy, a technical understanding of how to work briefly, and an understanding of collaborative, competency-based practice. This course will also cover the distinctions between short- term and long-term therapeutic work with clients. Prerequisites: PSYC 3450 or PSYC 3800.

PSYC 3999 Prior Learning in Psychology (1-12 credits) This course number and prefix indicate award of upper-level undergraduate prior learning in Psychology. This course is repeatable up to 12 credits.

PSYC 4050 Psychological Assessments (3 credits) Theory and use of psychological tests of ability and personality. Covers the selection, administration, scoring, and interpretation of psychological tests. Prerequisite: PSYC 3000.

PSYC 4150 Group Counseling in Substance Abuse (3 credits) This course covers the essential elements of group counseling, with a specific focus on substance abuse problems. Includes group leadership styles, facilitation skills, group dynamics, the stages of group development, and techniques for dealing with specific problems that often occur in a group setting. Emphasis on experiential learning

PSYC 4200 Cross-Cultural Counseling (3 credits) A study of the impact that culture plays in psychotherapy. Areas of focus include working with clients from a variety of cultural/ethnic backgrounds, the therapeutic relationship based on culture, and an understanding of race and culture in a client's scope of functioning. Prerequisites: PSYC 2000 & PSYC 3760.

PSYC 4600 Biological Bases of Behavior (3 credits) Genetic, neural, and endocrine bases of behavior. Neuroanatomy and chemical and electrical events in the nervous system. Sensory processes, motivation, emotion and arousal. Prerequisite: PSYC 1020.

PSYC 4800 Practicum in Psychological Research (3 credits) Experience in doing research under the supervision of the academic division. Reading the relevant research literature, running subjects, analyzing data, and writing an APA-format report. Prerequisite: PSYC 3000.

PSYC 4810 Practicum in Community Psychology (3 credits) Experience in applying psychological principles in a human services agency. Supervision on-site; weekly team meetings at the university. Written reports required. Prerequisite: PSYC 2330, PSYC 3300, PSYC 3450, and PSYC 3500.

PSYC 4840 Advanced Practicum in Psychology (3-6 credits) Students will gain experience in a specialty area of psychology by working with teams of faculty members and graduate students. They

will be able to observe and participate in both research and applied clinical work. To enroll in this practicum, students need junior or senior standing and written approval of the director of undergraduate social and behavioral sciences and approval of the director of any graduate program where the student may be placed. Prerequisite: PSYC 3000 and SPCH 1010 and Junior or Senior standing.

PSYC 4880 Senior Seminar In Psychology (3 credits) Students will have the opportunity to integrate information from a variety of specialties in psychology. Each seminar will have a focal theme that will allow students to gain new perspectives, as well as apply knowledge from prior courses and experiences. Prerequisites: PSYC 3000 and SPCH 1010 and Junior or Senior standing.

PSYC 4910 Advanced Special Topics: Neuropsychology (3 credits) Neuropsychology is a specialty in psychology that focuses on the relationship between brain functioning and human behavior. This course is designed to provide an overview of this interesting and burgeoning field. Students will be introduced to relevant principles of brain functioning, cortical organization, recovery of function, and neurological damage and disease. Prerequisite: PSYC 3000

PSYC 4920 Advanced Special Topics (3 credits) Advanced topics in psychology that are not included in regular course offerings. Specific content and possible prerequisites are announced in the course schedule for a given term. Students may re-enroll for special topics covering different content. Prerequisites: PSYC 1020 and PSYC 3000.

PSYC 4930 Advanced Special Topics (3 credits) Advanced topics in psychology that are not included in regular course offerings. Specific content and possible prerequisites are announced in the course schedule for a given term. Students may re-enroll for special topics covering different content. Prerequisites: PSYC 1020 and PSYC 3000.

PSYC 4940 Advanced Special Topics (3 credits) Advanced topics in psychology that are not included in regular course offerings. Specific content and possible prerequisites are announced in the course schedule for a given term. Students may re-enroll for special topics covering different content. Prerequisites: PSYC 1020 and PSYC 3000.

PSYC 4950 Internship in Psychology (1-3 credits) A 10-20 hour per week, paying or nonpaying work experience for 16 weeks (or more) in the student's major area of study. Consult academic division for specific details and requirements. Prerequisites: cumulative GPA of 2.5 or higher, completion of 36 or more credit hours, and permission of academic director.

PSYC 4960 Advanced Special Topics (3 credits) Advanced topics in psychology that are not included in regular course offerings. Specific content and possible prerequisites are announced in the course schedule for a given term. Students may re-enroll for special topics covering different content. Prerequisites: PSYC 1020 and PSYC 3000.

PSYC 4970 Advanced Special Topics (3 credits) Advanced topics in psychology that are not included in regular course offerings. Specific content and possible prerequisites are announced in the course schedule for a given term. Students may re-enroll for special topics covering different content. Prerequisites: PSYC 1020 and PSYC 3000.

PSYC 4980 Advanced Special Topics (3 credits) Advanced topics in psychology that are not included in regular course offerings. Specific content and possible prerequisites are announced in the course schedule for a given term. Students may re-enroll for special topics covering different content. Prerequisites: PSYC 1020 and PSYC 3000.

PSYC 4990 Independent Study in Psychology (1-6 credits) The student selects, and carries out independently, library and/or empirical research. Faculty supervision is provided on an individual basis. Prerequisites: PSYC 3000 and written consent of instructor and division director.

SCIE

SCIE 1000 General Science Program Seminar (1 credit) This seminar is intended to orient new students in the general science program. Educational resources, study skills, general science program requirements, admission policies for allied health graduate programs, introduction to other science oriented majors other than biology, and other opportunities available in fields other than science for those students with some background in science.

SCIE 1150 Great Experiments in Science (1-6 credits) An outline course in which students review some of the experiments and scientists that have shaped the field of biology, chemistry, and physics. Students will receive one unit of credit for completion of 10 modules. Completion of 60 modules results in six credits. The course culminates in a lecture given by a prominent scientist concerning a current topic in scientific research. The course is intended to advance scientific literacy and examine the impact of science on our health, technology, and culture. Students may re-enroll but cannot accrue more than a total of six credits.

SCIE 1999 Prior Learning Credit in Science (1-12 credits) This course number and prefix indicate an award of lower-level undergraduate prior learning credit in science. This course is repeatable up to 12 credits. Prerequisite: approval of director.

SCIE 2900 Special Introductory Science (1-3 credits) Introductory topics in biological science that are not included in regular course offerings. Specific content and prerequisites announced in the course schedule for the given term. Student may re-enroll for special topics covering different content.

SCIE 3210 History of Science (3 credits) The course is a survey of science and scientists from ancient to modern times. The major advancements in life science, medicine, and oceanography will be discussed from the perspective and tenor of the times. Some original literature and autobiographies as well as historical reviews will be assigned and discussed.

SCIE 3999 Prior Learning Credit in Science (1-12 credits) This course number and prefix indicate an award of upper-level undergraduate prior learning credit in science. This course is repeatable up to 12 credits. Prerequisite: approval of director.

SCIE 4490 Research Methods (3 credits) This course will present a broad theoretical outline for the design and implementation of research projects. Topics to be covered include problem definition, principles of design, sampling, measurement concepts, and research proposal preparation. Although this is not a course in statistics, a brief overview of univariate and bivariate statistics will be presented. This course will also cover the presentation of results, including graphics. It is assumed that the student will have some background in basic statistics and have some familiarity with computers. Prerequisite: MATH 1040.

SCIE 4500 Independent Research I (1 credit) Initiation of laboratory or field research in biology in consultation with an adviser.

SCIE 4560 Independent Research II (1 credit) No Description is Available

SCIE 4570 Independent Research III (3 credits) Continuation of laboratory or field research in biology.

SCIE 4900 Special Topics in Science (1-3 credits) Topics in advanced science that are not included in a regular course offering. Prerequisites may be required. Specific content and prerequisites are

announced in the course schedule for the given term. Students may reenroll for special topics covering different content.

SCIE 4990 Independent Study in Science (1-12 credits) The student selects and independently carries out library and/or empirical research. Faculty supervision is provided on an individual basis.

SOCL

SOCL 1020 Introduction to Sociology (3 credits) The nature and needs of man and society, groups and institutions, social processes, and social change. Special emphasis will be placed on American culture and the impact of technology on modern man.

SOCL 1999 Prior Learning in Sociology (1-12 credits) This course number and prefix indicate award of lower-level undergraduate prior learning in Sociology. This course is repeatable up to 12 credits.

SOCL 2100 Sociology of Sexuality (3 credits) This course reviews the sociology of sexuality from a sociohistorical perspective. Among the topics to be discussed are the theoretical approaches to sexuality, the making of sexual identities, the relationship between sexuality and social institutions, and sexual politics and ethics.

SOCL 2130 Family Relationships (3 credits) Contemporary patterns of marriage and family living. Approaches to effective living together in family units. Covers both adult and parent-child relationships. Emphasis on communication, supportiveness, and contingency management. Identical to PSYC 2130.

SOCL 2300 Family Communication (3 credits) The purpose of this course is to develop an understanding of communication with the context of the family unit. Historical overview of the theoretical and methodological issues in the study of communication in family settings.

SOCL 2510 Social Problems (3 credits) Focuses on a number of contemporary social problems, analyzing causative factors and exploring alternative solutions. Examines the role of community service agencies in the improvement of some of these problems. Prerequisite: SOCL 1020.

SOCL 3110 Gender, Sexuality, & Family (3 credits) This course considers the socialization into masculine and feminine identities and sexual and reproductive choices, and examines the cultural context in which values about sexuality and gendered roles within the family are formed.

SOCL 3130 Family Systems (3 credits) An introduction to family systems theory. A basic understanding of the field of family therapy as it applies to systems consultations with families and larger organizations. A discussion of how families are components of larger social structures. A resource-based approach to working with children and parents.

SOCL 3300 Gender At Work (3 credits) This course examines the workplace as a specific cultural context in which identifiable values, ethics, and mores come into play, particularly as they relate to issues and imbalances related to gender and cultural diversity.

SOCL 3500 Race and Ethnicity in the U.S. (3 credits) This course covers race and ethnic divisions, discrimination, conflict and cooperation. Further, it explores the impact of global processes on race and ethnicity in the United States. There will be a comparison of US racial and ethnic patterns to other countries. Prerequisite: SOCL 1020.

SOCL 3550 Substance Abuse & the Family (3 credits) Emphasis will be on family problems, as well as changes in family functioning that accompany chemical dependency. The concepts of substance abuse as a family illness and the roles within the family as they relate to both maintaining addiction and to affecting the recovery process explored. Family systems theory of counseling will be introduced. Domestic violence issues will also be introduced. Identical to PSYC 3550.

SOCL 3700 Ethnic Family Diversity (3 credits) This course will focus on the various ethnic minority families in contemporary United States life. An overview of European-American, Hispanic- American, Asian-American, and other Socioreligious families will be presented. Prerequisite: SOCL 2130.

SOCL 3800 Family Life Cycle (3 credits) A study of family functioning over the life span of the family. Various issues such as culture, class, race, and gender will be covered and how these impact family functioning. Emphasizes marriage, divorce, remarriage, death and other major determinants of family operation. Prerequisite: SOCL 2130.

SOCL 3999 Prior Learning in Sociology (1-12 credits) This course number and prefix indicate award of upper-level undergraduate prior learning in Sociology. This course is repeatable up to 12 credits.

SOCL 4000 Lesbian & Gay Cultures (3 credits) This course examines topics in the gay and lesbian cultures from theoretical, historical and political perspectives. Topics might include an examination of the essentialist versus constructionist debates and their respective implications, sex policing, political resistance, and the politics of AIDS.

SOCL 4200 Violence and the Family (3 credits) The causes, dynamics, and consequences of violence in the family. Includes a discussion of violence toward children, spouses, dating partners, siblings, and elders. Emphasizes the social conditions that lead to these types of violence. Prerequisite: SOCL 2130.

SOCL 4950 Internship in Sociology (1-3 credits) A 10-20 hour per week, paying or nonpaying work experience for 16 weeks (or more) in the student's major area of study. Consult academic division for specific details and requirements. Prerequisites: cumulative GPA of 2.5 or higher, completion of 36 or more credit hours, and permission of academic director.

SPAN

SPAN 1210 Elementary Spanish I (3 credits) Essentials of Spanish language with emphasis on grammar, vocabulary, writing, and oral skills. Introduction to Spanish culture. Not open to native speakers.

SPAN 1220 Elementary Spanish II (3 credits) Essentials of Spanish language with emphasis on grammar, vocabulary, writing, and oral skills. Not open to native speakers. Prerequisite: SPAN 1210; or Spanish Placement Test.

SPAN 1999 Prior Learning (1-12 credits) This course number and prefix indicate award of lower-level undergraduate prior learning credit in Spanish. This course is repeatable up to 12 credits.

SPAN 2210 Intermediate Spanish I (3 credits) Readings in Spanish literature and culture. Study of Spanish idioms and syntax. Further development of oral and written Spanish. Not open to native speakers. Prerequisite: SPAN 1220 or Spanish Placement Test.

SPAN 2220 Intermediate Spanish II (3 credits) Continuation of SPAN 2210. Readings in Spanish literature and culture. Study of Spanish idioms and syntax. Further development of oral and written Spanish. Not open to native speakers. Prerequisite: SPAN 2210; or Spanish Placement Test.

SPAN 2330 Spanish for Native Speakers (3 credits) An advanced-level course especially designed for students whose first or family language is Spanish and who want to advance their knowledge of

grammar, vocabulary and their cultural heritage. Prerequisite: native fluency or equivalent.

SPAN 2340 Conversation and Composition (3 credits) A course for students with intermediate-level Spanish reading and writing competency who wish to increase their oral and written competency in the language. Prerequisite: SPAN 2220 or SPAN 2330 or equivalent.

SPAN 3200 Commercial Spanish (3 credits) Introduces business terminology and usage to develop fluent oral and written communication in business and professional settings. Special attention is given to understanding the cultural context for conducting business in both Spain and Latin America. Group projects, class discussions, oral and written work all in Spanish. Prerequisite: SPAN 2330 or SPAN 2340 or native fluency.

SPAN 3240 Introduction to Spanish Literature (3 credits) An introductory literature course intended to familiarize students with the literature of Spain from the medieval period until the twentieth century and to develop skills in literary analysis. Class discussions, readings, oral and written work all in Spanish. Prerequisite: SPAN 2330 or SPAN 2340 or native fluency.

SPAN 3250 Introduction to Latin American Literature (3 credits) An introductory literature course intended to familiarize students with the literature of Latin America through selected readings in all genres and to develop skills in literary analysis. Class discussions, readings, oral and written work all in Spanish. Prerequisite: SPAN 2330 or SPAN 2340 or native fluency.

SPAN 3999 Prior Learning (1-12 credits) This course number and prefix indicate award of upper-level undergraduate prior learning credit in Spanish. This course is repeatable up to 12 credits.

SPAN 4900 Special Topics in Spanish (3 credits) An in-depth study of a period, an author or a literary genre in the Spanish language. Class discussions, readings, oral and written work all in Spanish. May be repeated once for credit, if content changes, and with written consent of division director. Prerequisite: one 3000-level SPAN course.

SPCH

SPCH 1010 Public Communication (3 credits) Training and practice in the fundamentals of public speaking, including audience analysis, topic development, research, organization, language use, and delivery.

SPCH 1010H Public Communication Honors (3 credits) Training and practice in the fundamentals of public speaking, including audience analysis, topic development, research, organization, language use, and delivery. Honors students only.

SPCH 1999 Prior Learning (1-12 credits) This course number and prefix indicate award of lower-level undergraduate prior learning credit in speech. This course is repeatable up to 12 credits.

SPCH 2000 Fundamentals of Human Communication (3 credits) This course surveys major concepts, theories, and research in the study of human communication. The course assists students in developing knowledge and skills in the development of their own communication competence. The course covers basic human communication processes in the contexts of interpersonal, group/team, and public communication. Prerequisite: COMP 1500.

SPCH 2020 Argument and Debate (3 credits) Training and practice in fundamentals of oral argumentation, including methods of obtaining and organizing materials, delivery, and audience analysis, with an emphasis on researching evidence and constructing and refuting an argument in a debate format. Prerequisite: COMP 1500.

SPCH 2030 Oral Interpretation (3 credits) Training and practice in fundamentals of oral communication with an emphasis on interpretation of literary themes through the oral performance of literature. Prerequisite: COMP 1500.

SPCH 3120 Speech Communication for the Professions (3 credits) Emphasis on public communication skills required of the person in business and/or professional settings. Topics include business interviews, public speaking, presentation aids, listening, team communication, and cultural diversity in the workplace.

SPCH 3999 Prior Learning in Speech (1-12 credits) This course number and prefix indicate award of upper-level undergraduate prior learning credit in speech. This course is repeatable up to 12 credits.

TECH

TECH 1110 Technology In Information Age (3 credits) The course covers technology survival skills needed for school, work, and life in our Information Age. Students work for mastery of computer skills needed today for success in academic coursework and tomorrow for the lifelong learning required in the profession. Students use today's popular SW package to create real-world documents in word processing, spreadsheets, charting, multimedia presentations, and Web authoring. They customize hands-on work to expand knowledge in their own field as they master Web navigation and research and create Web products with value for other classes. Students acquire a deeper understanding of technology use, abuse, and its impact on humans living in the ever-changing electronic environment.

TECH 1999 Prior Learning Credit in Technology (1-12 credits) This course number and prefix indicate award of lower-level undergraduate prior learning credit in computer technology. This course is repeatable up to 12 credits. Prerequisite: approval of director.

TECH 2000 Computer Technology (3 credits) Students explore the impact of computer technology on life and work in the information age. Students are encouraged to study technology's impact on their area of study/selected profession (life sciences, law, business, the arts, etc.) and interview a successful professional in the field. Students examine the physical and psychological benefits are balanced by contrasting findings relating implications of technology's evolution and formulate their own view of a possible future. Students create a Web site to showcase their best work. Prerequisite: TECH 1110. Prerequisite: TECH 1110.

TECH 2130 Business Applications of Microcomputers (3 credits) Theory and applications of programs for microcomputers that are useful in the business environment. Accounting, database management, and information system management programs will be included. Computer laboratory course. Prerequisites: ACCT 2100 and TECH 1110.

TECH 2150 Introduction to Internet Resources (3 credits) The course includes research into topics such as netiquette, evaluation of Web sites, copyright information and issues, and the history of the Internet. Students develop advanced skills in the use of search engines, directories and online libraries. Students are introduced to Hypertext Markup Language (HTML) and Netscape Composer. Other skills include creating and publishing personal Web pages, downloading and using file transfer protocol and compression software. Prerequisite: TECH 1110.

TECH 3000 Multimedia Design (3 credits) This course gives the student a comprehensive introduction to the basic design principles of multimedia. A Web focus throughout the course will assist students in exploring the Internet as a means of delivering multimedia. Students will build interactive Web sites using a variety of software to create the elements of multimedia such as sounds, animation, video, text and graphics. Students should have a working knowledge of the Internet,

the World Wide Web, and enhanced computer skills. Prerequisites: TECH 1110 and TECH 2150.

TECH 3520 Emerging Technology in Education (3 credits) Students examine and evaluate state-of-the-art technology tools and developments that have the potential to enhance the curriculum and aid in administrative tasks. This includes tools and techniques to remain current in technology as it develops. Proficiency in using the World Wide Web as an educational tool is stressed. Students research and explore practical solutions to existing and developing educational problems by using technology. Prerequisites: EDUC 3510 and TECH 2150.

TECH 3530 Multimedia Technology for Educators (3 credits) Students learn theories and interactive techniques to use Multimedia and Hypertext authoring packages as teachers to create presentations and/or lessons to enhance the curriculum in the various content areas. They learn how to utilize appropriate packages to teach their students how to create their own portfolios and/or presentations to enhance creativity and meet the expanding needs of the students in the 21st century. Prerequisites: EDUC 3510 and TECH 2150.

TECH 3540 Utilizing Tech Dev Curr (3 credits) No Description is Available

TECH 3750 Cur Issues In Info Mgmt (3 credits) No Description is Available

TECH 3999 Prior Learning Credit in Technology (1-12 credits) This course number and prefix indicate award of upper-level undergraduate prior learning credit in computer technology. This course is repeatable up to 12 credits. Prerequisite: approval of director.

TECH 4050 Business Data Communication (3 credits) Introduction to basic business data communication for managers. Protocols, services, interfaces, and platforms for the transmission of data across local and wide area networks will be discussed. Emphasis will be on managerial decisions regarding topology, equipment, network design and software development. A "project management" approach will be utilized. Topics will include synchronous and asynchronous communication, bridges, routers, ISDN, ATM, and the OSI model. Prerequisite: TECH 1110 and TECH 2150.

TECH 4510 Utilizing Technology to Develop Curriculum (3 credits) Students explore the most current methodologies for including technology within the curriculum to meet specific educational objectives in content areas as well as for enhancing delivery. In this hands-on class students examine and analyze the issues and consequences of the explosion of information and work to implement it in thematic units that strengthen curriculum delivery. The Human-Computer Interface is examined with emphasis on redesigning text-based instruction to develop effective electronic and multimedia delivery methods. Prerequisite: TECH 3520 and TECH 3530.

TECH 4900 Directed Project (3-8 credits) A major project will be completed by the student under the direction of a faculty member.

TECH 4950 Internship in Technology (1-12 credits) A work experience for 16 weeks in the student's major area of study or area of career interest. Consult academic division for specific details and requirements. Prerequisites: cumulative GPA of 2.5 or higher, major GPA of 3.0 or higher, completion of 60 or more credit hours, supervision of instructor, and permission of academic director.

TECH 4990 Independent Study Technology (1-12 credits) The student selects, and carries out independently, library and/or empirical research. Faculty supervision is provided on an individual basis. Prerequisite: to be determined by the faculty and division director.

THEA

THEA 1999 Prior Learning (1-12 credits) This course number and prefix indicate award of lower-level undergraduate prior learning credit in theater. This course is repeatable up to 12 credits.

THEA 2000 Voice and Movement (3 credits) Study and practice in breathing, phonation, standard speech, text analysis, scansion and cold readings, as well as kinesthetic awareness, warm-up, use of space, stage movement, stage blocking, and stage combat.

THEA 2020 Acting I (3 credits) A performance-oriented course designed to introduce, develop and reinforce fundamental acting skills and techniques.

THEA 2060 Technical Theatre (3 credits) A laboratory approach to technical theatre with focus on backstage operations, crew assignments, and practical application in actual productions.

THEA 3000 Theatre History (3 credits) Theatre history from the primitive times to the present, emphasizing the role that historical traditions and movements in the theatre have on contemporary theatre. Prerequisite: COMP 2000, 2010, or 2020.

THEA 3020 Acting II (3 credits) Emphasis on the development and use of techniques for in-depth research and analysis of characters for public performance. Prerequisite: THEA 2020.

THEA 3050 Costuming and Makeup (3 credits) Study of sewing, fabrics, patterns and practical application of costume construction techniques; materials and techniques for stage makeup with emphasis on practical application for theatrical production. Prerequisite: COMP 2000, 2010, or 2020.

THEA 3060 Scene Design (3 credits) A study of the fundamental principles and techniques of stage design. Prerequisite: THEA 2060.

THEA 3100 Theatre Laboratory (1 credit) Participation in one or more of NSU's theatre productions. Assigned duties may include set construction, costume, technical support, acting, directing, management, or administration. Course may be repeated for up to three credit hours. Pass/fail only. Prerequisite: Written consent of the division director.

THEA 3999 Prior Learning (1-12 credits) This course number and prefix indicate award of upper-level undergraduate prior learning credit in theater. This course is repeatable up to 12 credits.

THEA 4100 Directing for the Stage (3 credits) The history of the director, the function of the director, and the examination of theoretical viewpoint, including textual analysis, establishing groupwork for the director's approach to production, play selection, analysis and patterning of auditory and visual elements of production. Directing of a one-act play. Prerequisite: THEA 2020.

THEA 4950 Internship in Theatre (3-6 credits) Training and practice at a professional theatre or arts venue. Prerequisites: cumulative GPA of 2.5 or higher, completion of 60 or more credit hours, and written consent of division director.

WRIT

WRIT 1999 Prior Learning (1-12 credits) This course number and prefix indicate award of lower-level undergraduate prior learning credit in writing. This course is repeatable up to 12 credits.

WRIT 2150 Writing for the Professions (3 credits) A writing course designed to make students proficient in various types of professional writing. Emphasis will be placed on the selection and employment of appropriate styles of written communication for functional uses in the

workplace. Students will learn to use rhetorical devices and research in the professional writing of public documents.

WRIT 2500 Introduction to Creative Writing (3 credits) This course examines the fundamentals of writing poetry and fiction, introducing students to creative writing techniques and strategies. Students will read works of fiction and poetry by published authors and write their own works using various models and styles. Through work shopping their original poetry and fiction, students will learn the importance of finding one's voice and the necessity of revision in the writing process. Prerequisite: COMP 1500 or equivalent with a C- or higher.

WRIT 3020 Poetry Workshop (3 credits) An examination of the fundamentals of writing poetry; learning to use metrical language and seeking the universal in individual human experience. Students will read a wide variety of contemporary poems and will attempt to develop their own poetic language. Pre-requisite: WRIT 2500

WRIT 3030 Fiction Workshop (3 credits) An examination of the fundamentals of writing fiction; learning to use the techniques and tools of the fiction writer. Students will read a variety of fictional works and will attempt to develop their own voices and narrative style. Pre-requisite: WRIT 2500.

WRIT 3150 Business Writing (3 credits) This course focuses on techniques for effective communication in the business environment. Students learn various strategies for writing in the workplace, including letters, memos, proposals, and electronic communication techniques and etiquette. Prerequisite: COMP 2000, 2010, or 2020.

WRIT 3160 Scientific and Technical Writing (3 credits) This course focuses on developing techniques for writing reports, descriptions, instructions, graphic arts, and other types of writing in formats appropriate to the scientific or technical working world. Students will practice explaining technical issues to various audiences, analyze technical objects and processes, and write reports, technical manuals and user instructions. The course will emphasize writing understandable, concise language, integrating text and graphics, and designing documents. Prerequisite: COMP 2000, 2010, or 2020.

WRIT 3999 Prior Learning (1-12 credits) This course number and prefix indicate award of upper-level undergraduate prior learning credit in writing. This course is repeatable up to 12 credits.

WRIT 4900 Special Topics in Writing (3 credits) Topics, which vary from year to year, will focus on specialized genres and techniques in writing. Topics may include memoir/autobiographical writing, travel writing, creative non-fiction writing, and screenwriting. Specific focus to be announced. May be repeated once for credit, if content changes and with department approval. Prerequisite: one WRIT course above the 2000-level.

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