TABLE OF CONTENTS

Graduate 3
Academic Calendar 4
Welcome to Norfolk State University 7
Graduate Education 10
School of Graduate Studies and Research 11
Admissions 12
Graduate Fellowships and Achievement Assistantships 13
Tuition, Fees, and Financial Information 14
Academic Policies 16
Commencement 16
Academic Information 17
Lyman Beecher Brooks Library 20
Administrative Offices 21
Office of the Provost 21
Division of Student Affairs 23
Division of Finance and Business 32
Division of Research and Economic Development 33
Division of University Advancement 33
Division of Operations and Institutional Effectiveness 34
School of Education 35
Early Childhood, Elementary and Special Education 36
Pre-Elementary Education, M.A. - Online 37
Pre-Elementary Education, M.A.- Licensure in Early Childhood Special Education - Online 37
Special Education, M.A. 37
Teaching, M.A. - Elementary Education - PreK-6 - Online 39
Secondary Education and School Leadership 40
Subject Area Concentration, M.A. (MASAC) 41
Teaching, M.A. - Secondary Education 41
Urban Education, M.A. 43
College of Liberal Arts 46
Media and Communications 47
Media and Communication, M.A. 48
Psychology 50
Clinical Psychology, Ph.D. 51
CyberPsychology, M.S. 53
CyberPsychology Certificate 55
Sociology 56
Criminal Justice, M.A. 57
Urban Affairs, M.A. 59
Visual and Performing Arts 61
Music, M.M. 62
Visual Studies, M.F.A. 66
College of Science, Engineering and Technology 69
Computer Science 70
Computer Science, M.S. 74
Cybersecurity, M.S. 80
Engineering 85
Electronics Engineering, M.S. 86
Materials Science 90
Materials Science and Engineering, Ph.D. 91
Materials Science, M.S. 94
Nursing and Allied Health 97
Healthcare Administration, M.H.A. 98
Health Informatics, M.H.I. 99
School of Social Work 100
Social Work, Ph.D. 101
Social Work, M.S.W. 106
Course Descriptions 110
Biology (BIO) 110
Chemistry (CHM) 110
Counseling Education (COED) 111
Communications (COM) 112
Community Psychology (CPS) 112
Computer Science (CSC) 113
Criminal Justice (CJS) 115
Cybersecurity (CYS) 116
Early Childhood Special Education (ECS) 117
Education (EDU) 117
Electronics Engineering (EEN) 117
Elementary Education (EED) 119
English (ENG) 120
Fine Arts (FIA) 120
Healthcare Administration (HCA) 121
Health Informatics 122
History (HIS) 122
Mass Comm/Journalism (MCM) 122
Materials Science (MATS) 123
Materials Science Engineering (MSE) 123
Mathematics (MTH) 125
Music (MUS) 126
Optical Engineering (OEN) 128

Physics (PHY) 129
Political Science (POS) 129
Psychology (PSY) 129
Social Work (SWK) 130
Special Education (SPE) 133
Urban Affairs (UAF) 135
Urban Education (UED) 136
Index 140

GRADUATE

Important Information Regarding Matriculation

Policies regarding the enrollment of degree-seeking (matriculating) students at Norfolk State University are listed below:

- All students will follow the curriculum and the degree completion requirements specified in the University Catalog issued for the year of their initial enrollment as degree-seeking students.
- The University will honor degree completion requirements specified for students in the University Catalog for the year of initial enrollment as long as such enrollment is continuous (summer semesters not included).
- A student who does not maintain continuous enrollment (summer semesters not included) will follow the degree completion requirements specified in the University Catalog issued the year of readmission.
- Any student under any degree program who has re-enrolled in the University after interruptions of more than two semesters will be required to apply for readmission and meet the requirements of the current catalog.
- A student who is applies and admitted to another degree program will follow the requirements specified in the University Catalog issued for the year of the admission to the new degree program.
- Students are held responsible for reading and complying with the University policies contained in the Catalog.
- The Catalog is not an unchangeable contract but, instead, an announcement of present policies only. Implicit in each student's enrollment is an agreement to comply with University rules, policies, and regulations that the University may modify to exercise properly its educational responsibility.

This document is subject to change. Current university policies are located on the university's web site at http://www.nsu.edu/policies/*. Please refer to this website for policy updates and policies and procedures not addressed in the University Catalog.*

This document is intended to adhere to all statutory regulations, State Council of Higher Education for Virginia (SCHEV) guidelines, and other official documents and pronouncements of the Commonwealth of Virginia and the Norfolk State University Board of Visitors.

The current version, as amended, is posted on the University's website.

Norfolk State University is committed to the policy that all persons will have equal access to its programs, facilities, and employment without regard to race, color, creed, religion, national origin, sex, age, marital status, disability, public assistance status, veteran status, or sexual orientation.

ACADEMIC CALENDAR

Fall Semester 2023

Event	Date
State of the University Address/ Faculty/Staff/School/Department	Tuesday, August 15
Meetings/Faculty Information Workshops	
Departmental Advising and Registration	Friday, August 18 - Saturday, August 19
Classes Begin/Late Registration	**Monday, August 21**
Deadline for Late Registration/ Adding Courses or Declaring Audit	Friday, August 25
Mini Term 1A/1C/1O Deadline for Late Registration/Adding Courses or Declaring Audit	Friday, August 25
Deadline to Drop a Course and Receive 100% Refund (22/1 and Mini Term 1A/1C/1O)	Friday, August 25
Labor Day Holiday (No Classes)	**Monday, September 4**
Mini Term 1A/1C/1O Advisory Grades Due (7 week session)	**Tuesday, September 11 - Saturday, September 18**
Founders Day Convocation	**Thursday, September 21**
At the 5th Week, First Advisory Grades Due (15 week session)	**Monday, September 18- Saturday, September 23**
Deadline to Apply for December 2023 Graduation	Friday, September 22
Spartan Wellness Day (No Classes - University Offices Open)	Friday, September 29
Mid Term Grading for Graduate Courses	**Monday, October 2 - Saturday, October 7**
Mini Term 1A/1C/1O Final Grades Due (7 week session)	Monday, October 2 - Saturday, October 7
Fall Break (No Classes for 15 week session)	Thursday, October 12 - Friday, October 13
Mini-Term 1B/1D/1P (Classes Begin)	Monday, October 16
Mini-Term 1B/1D/1P Deadline for Late Registration/Adding Courses or Declaring Audit	Friday, October 20
Deadline to Drop a Course and Receive 100% Refund (Mini Term 1B/1D/1P)	Friday, October 20
At the 10th week, Second Advisory Grades Due (15 week session)	**Monday, October 23 - Saturday, October 28**
Registration for Spring 2024 Semester Begins	Monday, October 30 - Saturday, January 13
Mini Term 1B/1D/1P Advisory Grades Due (7 week session)	**Monday, October 30 - Saturday, November 4**
Spartan Wellness Day (No Classes - University Offices Open)	Tuesday, November 7
Deadline to Drop a Course (23/1, 23/1B, 23/1D, 23/1P)	Friday, November 10
Reading Day (No classes)	Wednesday, November 22
Thanksgiving Break	**Thursday, November 23 - Sunday, November 26**
Classes Resume	Monday, November 27

Final Grades Due for December 2023 Graduates	**Wednesday, November 29**
Classes End	**Friday, December 1**
(**Last Day to Withdraw from the University without Academic Penalty**)	
Final Examination Period	Saturday, December 2 - Friday, December 8
COMMENCEMENT	**Saturday, December 9**
Deadline to Report Final Grades	Tuesday, December 12

Registration One-Stop Shop and Advising Services will be located on the first floor of the Student Center beginning Friday, August 18, 2023 through Friday, August 25, 2023 for registration. Hours of operation will be 8:00 a.m. until 6:00 p.m. Saturday, August 19, 2023, hours of operation will be from 9:00 a.m. until 1:00 p.m.

Note: Academic Calendar dates are subject to change. Visit the NSU Website at http://www.nsu.edu/enrollment-management/registrar/calendars (http://www.nsu.edu/enrollment-management/registrar/calendars/**) for the most recent updates.**

Spring Semester 2024

Event	Date
University Community/Faculty/ Staff/School/Department	Tuesday, January 2 - Monday, January 8
Meetings/ Faculty Information Workshops	
Departmental Advising and Registration	Friday, January 12 - Saturday, January 13
Classes Begin/Late Registration	**Tuesday, January 16**
Deadline for Late Registration/ Adding Courses or Declaring Audit	Friday, January 19
Mini Term 2A/2C/2O Deadline for Late Registration/Adding Courses or Declaring Audit	Friday, January 19
Deadline to Drop a Course and Receive 100% Refund (22/2 and Mini Term 2A/2C/2O)	Friday, January 19
Deadline to Apply for May 2024 Graduation	Friday, February 2
Mini Term 2A/2C/2O Advisory Grades Due (7 week session)	**Monday, February 5 - Saturday, February 10**
At the 5th week, First Advisory Grades Due (15 week session)	**Monday, February 12 - Saturday, February 17**
Spartan Wellness Day (No Classes - University Offices Open)	Monday, February 19
Mid Term Grading for Graduate Courses	**Monday, February 26 - Saturday, March 2**
Spring Break (No Classes)	**Monday, March 11 - Sunday, March 17**
Mini Term 2B/2D/2P (Classes Begin)	Monday, March 18
Mini-Term 2B/2D/2P Deadline for Late Registration/Add/Drop Courses or Declaring Audit	Friday, March 22
Deadline to Drop a Course and Received 100% Refund (Mini Term 2B/2D/2P)	Friday, March 22
Registration for Summer and Fall 2024 Semester	Monday, March 18 - Friday, June 21
At the 10th week, Second Advisory Grades Due (15 week session)	**Monday, March 25 - Saturday, March 30**

Mini Term 2B/2D/2P Advisory Grades Due (7 week session)	**Monday, March 25 - Saturday, March 30**
Deadline to Drop a Course (23/2, 23/2B, 23/2D, 23/2P)	Friday, April 5
Spartan Wellness Day (No Classes - University Offices Open)	Friday, April 5
Final Grades Due for May 2024 Graduates	**Wednesday, April 24**
Classes End	**Friday, April 26**
(**Last Day to Withdraw from the University**)	
Final Examination Period	Saturday, April 27 - Friday, May 3
COMMENCEMENT	**Saturday, May 4**
Deadline to Report Final Grades	Tuesday, May 7
Faculty Development Workshop	Wednesday, May 8 - Thursday, May 9

Registration One-Stop Shop Advising and Registration Services will be located on the first floor of the Student Center beginning, Friday, January 12, 2024 through Friday, January 19, 2024. Hours of operation will be 8:00 a.m. until 6:00 p.m. Saturday, January,13 2024, hours of operation will be from 9:00 a.m. until 1:00 p.m.

Note: Academic Calendar dates are subject to change. Visit the NSU Website at http://www.nsu.edu/enrollment-management/registrar/calendars **(**http://www.nsu.edu/enrollment-management/registrar/calendars/**) for the most recent updates.**

WELCOME TO NORFOLK STATE UNIVERSITY

Norfolk State College was founded on September 18, 1935. The College, brought to life in the midst of the Great Depression, provided a setting in which the youth of the region could give expression to their hopes and aspirations. At this founding, it was named the Norfolk Unit of Virginia Union University. In 1942, the College became the independent Norfolk Polytechnic College, and two years later an Act of the Virginia Legislature mandated that it become a part of Virginia State College.

The College was able to pursue an expanded mission with even greater emphasis in 1956 when another Act of the Legislature enabled the institution to offer its first Bachelor's degree. The College was separated from Virginia State College and became fully independent in 1969. Subsequent legislative acts designated the institution as a university and authorized the granting of graduate degrees. In 1979, university status was attained.

Today, the University is proud to be one of the largest predominantly black institutions in the nation. Furthermore, it is committed to pursuing its vital role of serving the people of the Hampton Roads area.

OUR MISSION

Norfolk State University, a comprehensive urban public institution, is committed to transforming students' lives through exemplary teaching, research and service. Offering a supportive academic and culturally diverse environment for all, the University empowers its students to turn their aspirations into reality and achieve their full potential as well-rounded resourceful citizens and leaders for the 21st century.

Vision Statement

Norfolk State University will be recognized nationally as a premier public institution with outstanding signature academic programs, innovative research, and community engagement opportunities.

Core Values

Norfolk State University's strength lies in its core values. They form the foundation for the University's actions and reflect what is important to the members of the Norfolk State University community and the Hampton Roads region.

1. **Excellence** – We are dedicated to fostering a culture of excellence in all facets of the University through the highest educational standards for student achievement, stellar faculty teaching, innovative research, dedicated service and creative co-curricular activities.
2. **Student-Centered** – Students are our top priority, and we are committed to helping them become globally competitive in an enriching, stimulating and supportive environment.
3. **Diversity and Inclusiveness** – We foster a multicultural campus respecting all people, cultures, ideas, beliefs, identities, socio economic backgrounds, and perspectives. We train our students to become leaders in an ever-changing global and multicultural society.
4. **Integrity and Civility** – We expect everyone to be accountable for his or her actions and to engage in honest, ethical behavior. We value the contributions of each person, treating all with respect and civility, and affirm our shared responsibility for institutional success.
5. **Engagement** – We continually enhance the university's role and influence in affairs of local and global communities by promoting educational attainment, cultural enrichment, and economic development.
6. **Pride** – We display great admiration for the University and its rich history and legacy.
7. **Financial Empowerment** – We aggressively pursue expanded and more diversified revenue streams.

INSTITUTIONAL GOALS

Institutional goals are derived directly from the mission statement and represent the direction the University intends to pursue over the decade.

- The University shall continue to define those areas in which it can make the most effective contributions to the total educational enterprise of the community, state, nation, and the world.
- The University shall continue to utilize its assembled expertise in research and public service to develop programs specifically related to urban needs.
- The University shall continue to develop its management capability in order to provide adequate, efficient, and timely services to its constituents.
- The University shall continue to maintain an environment which encourages its graduates to assume leadership roles in the community, state, nation, and world.

ACCREDITATIONS AND AFFILIATIONS

Institutional Accreditation - Southern Association of Colleges and Schools Commission on Colleges (SACSCOC)

The Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) (http://www.sacscoc.org/) is the regional body for the accreditation of degree-granting higher education institutions in the Southern states. It serves as the common denominator of shared values and practices among the diverse institutions in Alabama, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Texas, Virginia and Latin America and other international sites approved by the Commission that award associate, baccalaureate, master's, or doctorate degrees. The Commission also accepts applications from other international institutions of higher education.

SACSCOC Mission Statement: The mission of the Southern Association of Colleges and Schools Commission on Colleges is to assure the educational quality and improve the effectiveness of its member institutions.

Core Values: The Southern Association of Colleges and Schools Commission on Colleges has six core values:

1. Integrity
2. Peer Review/Self-regulation
3. Student Learning
4. Continuous Quality Improvement
5. Accountability
6. Transparency

SACSCOC Vision Statement: To serve as the premier model for shaping and ensuring the quality of higher education throughout the world.

Accreditation Status of Norfolk State University
The official statement on Norfolk State University's regional accreditation status as required by Standard 14.1, Principles of Accreditation (2018),

of the Southern Association of Colleges and Schools Commission on Colleges is as follows:
Norfolk State University is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) (http://www.sacscoc.org/) to award associate, baccalaureate, master's, and doctorate degrees. Questions about the accreditation of Norfolk State University may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, by calling (404)679-4500, or by using information available on SACSCOC's website (www.sacscoc.org).

- Norfolk State University Institution Details (https://sacscoc.org/institutions/?institution_name=norfolk+state+university&results_per_page=25&curpage=1&institution=0011N00001h9E7kQAE)

Accreditations and Affiliations

Regional Accreditation

Norfolk State University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate, baccalaureate, masters, and doctorate degrees. Contact the:

Southern Association of Colleges and Schools Commission on Colleges
1866 Southern Lane
Decatur, Georgia 30033-4097

or call 404-679-4500 for questions about the accreditation of Norfolk State University.

Specialized Accreditations

Accrediting Agency	Discipline
Engineering Accreditation Commission (EAC) of ABET	Electrical and Electronics Engineering (BS)
	Optical Engineering (BS)
American Chemical Society (ACS)	Chemistry (BS)
Accreditation Council for Education in Nutrition and Dietetics (ACEND)	Food Science and Nutrition (BS in Exercise Science)
American Psychological Association (APA)	Clinical Psychology (Ph.D.)
Association to Advance Collegiate Schools of Business (AACSB)	School of Business (BS)
Commission on Accreditation of Allied Health Education Programs (CAAHEP)	Kinesiotherapy (BS in Exercise Science/ Physical Education)
Computing Accreditation Commission (CAC) of ABET	Computer Science (BS)
Council on Social Work Education (CSWE)	Social Work (B.S.W.)
	Social Work (M.S.W.)
The Association of Technology, Management and Applied Engineering (ATMAE)	Building Construction Technology (BS)
	Computer Technology (BS)
	Electronic Technology (BS)
National Association of Schools of Music (NASM)	Music (B.Mus.)
	Music (M.Mus.)
Council for the Accreditation of Educator Programs (CAEP)	Early Childhood Education, Elementary Education, Special Education (BS Interdisciplinary Studies or BA Psychology)
	Health and Physical Education (BS Exercise Science/Health and Physical Education)
	History Education (BA History)
	English Education (BA English)
	Mathematics Education (BS Mathematics)
	Chemistry Education, Physics Education, Biology Education (BS Science: Chemistry, Physics, Biology)
	Fine Arts Education (BA Fine Arts)
	Music Education (BM Music Education)
	Early Childhood Special Education (MA PreElementary Education)
	Special Education General Curriculum K-12, Special Education Adapted Curriculum (MA Special Education)
	Elementary Education, English, Mathematics, Science (Biology, Physics, Chemistry), Visual Arts, Music, History (MAT)
	School Counseling, Administration and Supervision (Principal Preparation and Curriculum Development and Supervision) (MA Urban Education)
	School Social Work (MSW)
Accreditation Commission for Education in Nursing (ACEN)	Nursing (BS)
Accrediting Council on Education And Mass Communications (ACEJMC)	Mass Communication & Journalism (BS)

Affiliations

- Administrative Management Society
- American Alliance for Health Education, Recreation, Physical Education and Dance
- American Association for Affirmative Action
- American Association of Colleges of Nursing
- American Association of Colleges for Teacher Education
- The Virginia Association of Teacher Educators
- American Association of Collegiate Registrars and Admissions Officers
- American Association of State Colleges and Universities
- American Council of Construction Education
- American Public Health Association
- American Society of Engineering Education
- American Society of Manufacturing Engineering Association for Continuing Higher Education

- Association of American Colleges
- Association of Governing Boards of Universities and Colleges
- Association of Information Systems Professionals
- Association of Virginia Colleges
- Central Intercollegiate Athletic Association Cluster Program
- College Placement Council
- College and University Staffing
- Conference of Southern Graduate Schools
- Council for Advancement and Support of Education
- Council of Graduate Schools
- Council of Historically Black Graduate Schools
- Council on Social Work Education
- Intercollegiate Music Association
- Mid Atlantic Association for School
- Group for the Advancement of Doctoral Education
- National Alliance of Business College/Industry Relations
- National Association for Equal Opportunity in Higher Education
- National Association for Intercollegiate Athletics
- National Association for the Health Professions
- National Association of College Admissions Counselors
- National Association of Student Personnel Administration
- National Business Education Association
- National Center for Allied Health Leadership
- National Collegiate Athletic Association
- National League of Nursing
- Norfolk Chamber of Commerce
- Southern Association of Collegiate Registrars and Admissions Officers
- Southern College Placement Association, Inc. Southern Region II, ALAW
- Southern Regional Education Board
- Virginia Association of Allied Health
- Virginia Association of College Nursing
- Virginia Council of Graduate Schools
- Virginia Public Health Association

GRADUATE EDUCATION

Graduate Education

The goal of graduate education at Norfolk State University is to provide advanced, discipline-specific knowledge, skills, and perspectives which prepare graduates to assume leadership roles and contribute to a profession, discipline or field. Master's degree programs build upon the foundation of undergraduate education and provide advanced knowledge, specialized skills, methodologies, and opportunities for independent learning. Doctoral degree programs provide the highest level of preparation for leadership roles and careers in teaching, research, and professional practice. All programs require a minimum of 30 semester credit hours for degree completion.

The University offers several master's degree programs. Each master's degree program consists of a coherent program of study, which includes core and concentration coursework, electives, seminars, and other educational experiences, such as practicums, theses and creative scholarly projects.

The minimum requirements for the master's degree include the successful completion of 30 semester credit hours of approved coursework and a cumulative grade point average of 3.0 or better on a 4.0 scale. Degree programs may require a thesis option, or other culminating scholarly and creative projects. The requirements for each master's program are included in the program description published in the Graduate Catalog.

The University offers three doctoral degree programs which require a minimum of 54 semester credit hours for degree completion. Doctoral programs include core and concentration coursework, comprehensive and/or qualifying examinations, advanced research coursework, and preparation and defense of a dissertation. The aim of doctoral education is to prepare leaders who are grounded in the knowledge, theories, and best practices of their disciplines and professions. Graduates are expected to demonstrate competence and expertise in their fields, a global perspective, and the ability to engage in both independent scholarship and interdisciplinary collaboration in knowledge development. The minimum requirements for the doctoral degree include successful completion of all program requirements and a cumulative grade point average of 3.0 or better on a 4.0 point scale. Specific requirements for doctorate degrees vary by discipline and are specified in each program description published in the Graduate Catalog.

Degrees and Certificates Offered

MA	Criminal Justice
MA	Media and Communications
MA	Special Education
MA	Urban Affairs
MA	Urban Education
MAT	Teaching
MFA	Visual Studies
MHA	Healthcare Administration
MHI	Health Informatics
MMUS	Music
MS	Computer Science
MS	CyberPsychology
GRAD CERT	CyberPsychology
MS	Cybersecurity
MS	Electronics Engineering
MS	Materials Science
MSW	Social Work
PHD	Clinical Psychology (w/ODU)
PHD	Materials Science and Engineering
PHD	Social Work

SCHOOL OF GRADUATE STUDIES AND RESEARCH

Dr. DoVeanna Fulton, Provost and Vice President for Academic Affairs
(757) 823-8408

Dr. Desi S. Hacker, Dean
(757) 823-8015

The School of Graduate Studies and Research administers the University's graduate programs in the School of Education, College of Liberal Arts, Ethelyn R. Strong School of Social Work, and College of Science, Engineering, and Technology. The Graduate Dean is responsible to the Provost for developing and maintaining high-quality graduate programs. The Graduate Dean serves as Chair of the Graduate Council and initiates activities and policies designed to maintain the quality of graduate programs and promote the general welfare of graduate students.

Graduate Council

The Graduate Council is responsible for academic matters pertaining to graduate education at Norfolk State University. Thus, the Council is responsible for establishing and recommending policies, regulations, and procedures for graduate degree programs. It aims to ensure the effective coordination of graduate programs and the maintenance of high-quality graduate education. The Council recommends the following:

1. selection criteria for graduate faculty;
2. instructional loads for graduate faculty; and
3. mechanisms for the evaluation of graduate faculty and programs.

The Council also determines and monitors requirements for admission to graduate study at the University; regulations governing the number of undergraduate hours which graduate students can apply towards a graduate degree; the admission of undergraduate students to graduate courses; the number of transferable graduate credits; and other matters regarding graduate policies, regulations, and procedures that are presented to the Council for consideration.

Membership on the Graduate Council is restricted to representatives from those schools housing graduate programs; those schools which have been granted approval by the State Council of Higher Education in Virginia to implement graduate programs; the Faculty Senate; the Office of the Provost; the Library; the Graduate Student Association (GSA), and the Virginia Beach Higher Education Center.

ADMISSIONS

Norfolk State University practices its mission to provide higher education opportunities for all people regardless of their socio-economic status, race, sex, age, religion, or national origin by identifying and admitting students with academic promise.

Norfolk State University seeks to admit in-state and out-of-state applicants whose combination of academic preparation, aptitude, achievements, and motivation predict a reasonable probability of success in one or more of the University's schools.

The University makes an effort to maintain a diverse student population, which enriches the educational process and benefits the entire campus community. Further, the University reserves the right to base individual admission in any given year upon a number of factors, including the number of applicants to space availability. In some instances, the academic standards/criteria of some programs exceed the minimum University requirements, due to space limitations, resources, and/or program design.

General Admission Requirements

Qualified graduates of accredited colleges and universities are eligible to seek admission to Norfolk State University for graduate study. Applicants are accepted for admission on the basis of qualifications, without regard to sex, age, race, religion, or national origin.

1. Applicants must hold a bachelor's degree from an accredited college or university.
2. Applicants must request that all graduate and undergraduate institutions attended send copies of their official transcripts to the Graduate School.
   a. Applicants who attended a U.S. undergraduate or graduate institution may submit unofficial transcripts for initial application review. However, all admitted students, except NSU alumni, must submit official transcripts to the university. A registration hold for the second semester will be placed on the student's account if an **official transcript** with a conferral date is not received by the dates below:
      i. October 15 (fall admitted students)
      ii. February 15 (spring admitted students)
      iii. July 1 (summer admitted students)
   b. International students who attended an undergraduate school at a non-U.S. institution must submit an official, evaluated transcript from an approved agency such as the World Education Services (WES) or Educational Credential Evaluators (ECE).
   c. Each official transcript must show the complete scholastic record, bear the official seal of the institution, and be signed by the issuing officers.
3. Applicants must have met one of the following requirements:
   a. A minimum grade point average (GPA) of 2.5 on a 4.0 point scale. (Please note: Some programs may require a higher minimum grade point average.)
   b. A minimum grade point average (GPA) of 3.0 on a 4.0 point scale in the last 60 hours of undergraduate work.
   c. Submits a portfolio of relevant work experience (minimum of five years in the specified field of study). Work experience does not reduce the course requirement credits.

Some graduate programs have additional requirements such as letters of recommendation, a personal statement or essay, standardized test scores (e.g., Graduate Record Examination [GRE]), or teacher licensure, and most require a grade point average greater than 2.5. Applicants should refer to the appropriate graduate program description or inquire at the academic program department for additional requirements.

PRIORITY DEADLINES

To ensure adequate time for processing prior to enrollment, the Office of Graduate Studies must receive application forms, transcripts, letters of recommendation, and other credentials by the following deadlines:

Standard semester-based programs.

November 1 for enrollment for the spring semester.
May 1 for enrollment for the summer or fall semesters.

> **PLEASE NOTE:** Some programs have different deadlines than those approve. Please check with your specific program of interest to determine if they have earlier or later deadlines for admission consideration.

Accelerated Online Programs and Exceptions to the above deadlines.

Accelerated Online (https://online.nsu.edu/) programs admit students every seven (7) weeks and have rolling deadlines (see weblink for more information); and some traditional programs have earlier deadlines.

Students who submit applications by these deadlines will also be considered for tuition assistance, graduate assistantships, and other forms of financial aid available. Applications received after these dates may be deferred for consideration of enrollment for the following semester.

PLEASE NOTE: All transcripts and other credentials become the property of the University and must remain on file in the School of Graduate Studies and Research.

Admission Procedures

Admission to pursue graduate study at Norfolk State University is accomplished by the completion of an online application (https://www.nsu.edu/applyonline/) and payment of the application fee. All application materials should be uploaded to the application portal with the exception of the Official transcript. Unofficial transcripts may be uploaded to the application portal and will be accepted for review. However, if accepted for admission, official transcripts for all except NSU alumni must be mailed or electronically delivered to:

The School of Graduate Studies and Research
Office of Graduate Studies
Norfolk State University
700 Park Avenue
Norfolk, Virginia 23504.

When the applicant's file is complete, a decision will be made on admission, and the Graduate School will convey the decision, in writing, to the applicant with a copy to the appropriate graduate program office.

International Students

In addition to the admissions requirements stated above, all international applicants, whose native language is not English, are required to demonstrate a required level of proficiency in the English language. This requirement can be met in the following ways:

1. Acceptable scores on approved English language proficiency tests such as the Test of English as a Foreign Language (TOEFL; minimum of 80 on the TOEFL iBT) and IELTS (minimum of 6.5) taken within the past two years. Other English language proficiency tests must be approved and passed at rates equivalent to the TOEFL and IELTS per official standards from the administering organization. Some programs may require higher scores, please see the specific program of interest. Information on the TOEFL can be obtained at http://www.ets.org/toefl (http://www.ets.org/toefl/) or on the IELTS at https://www.ielts.org/.
2. Six semester hours or more of college-level English completed with a grade "C" or better at an accredited institution.
3. Possession of a bachelor's or master's degree equivalent from an accredited institution located in a country where English is the native or dominant language.

International students who are admitted into the university must be cleared through the Office of Accessibility and International Students (OASIS) prior to enrolling in courses. Information about this clearance process can be found on the OASIS website (https://www.nsu.edu/iss/about/).

Admission Classifications

Applicants are admitted to study at the graduate level in one of two classifications: degree-seeking (regular/matriculating) and non-degree-seeking (non-matriculating).

Degree Status

To be admitted as a degree-seeking student in a graduate program at Norfolk State University, a student must hold a baccalaureate degree from an accredited institution and meet the admission criteria. Students who are currently completing their baccalaureate degree can be admitted conditionally into a graduate program and may register for the first semester courses only. However, enrollment in courses beyond the first semester is not allowed until the School of Graduate Studies and Research receives a final official transcript with the degree conferral date.

Admission is granted for a specified semester and program. A student may not transfer his or her admission status to another graduate degree program. If a student wishes to enroll in a different degree program, the student must submit a new application for admission and be formally admitted to a new program in a subsequent semester.

Non-Degree Status

Non-degree status is available for applicants who:

1. meet all requirements for regular admission but do not wish to take courses leading to a particular degree;
2. hold a baccalaureate degree from a regionally accredited institution but whose academic record reflects less than the required minimum grade point average for regular admission; or
3. are seeking certification or endorsement in a teacher preparation program.

Applicants, whose formal degree application is pending final action for admission in a subsequent semester, may submit an application for non-degree status.

A maximum of nine (9) credit hours may be taken as a non-degree student. Non-degree students are not eligible for financial aid, graduate assistantships, or housing.

A non-degree seeking student may apply for admission to a graduate program as a degree-seeking student. However, non-degree status does not guarantee future admission. Additionally, admission to a graduate program does not imply that all coursework completed as a non-degree seeking student will be automatically applied to degree requirements. A student's admission status will not be changed from non-degree seeking to degree-seeking during the same semester in which the student is enrolled in non-degree courses.

Time Limit

A student matriculating at Norfolk State University in a master's degree program will be expected to complete all requirements for his/her degree within a four-calendar year period. Doctoral and terminal degree students must complete degree requirements within a seven-calendar year period.

A reasonable exception to the time limit may be granted to a student by written petition to the Graduate Program Coordinator prior to the expiration of the time limit. Exceptions are granted for one year and only two exceptions are allowed. Students requesting an exception must also submit a plan of action for completing all degree requirements. Forms for an extension request can be found on the Office of Graduate Studies website.

Re-Admission

Re-admission is required when a student has not enrolled in classes for one or more semesters and has not, during that time, been enrolled in a continuous registration course. To be readmitted, a student must submit a completed readmission application (see http://www.nsu.edu/applyonline (http://www.nsu.edu/applyonline/)). Re-admission is granted upon recommendation of the Graduate Program Admissions Committee. The re-admitted student must consult with his/her academic advisor regarding the conditions of readmission and determine if any of the courses previously taken will count toward the fulfillment of degree requirements.

A student who does not maintain continuous enrollment (summer semesters not included) will follow the degree completion requirements specified in the University Catalog issued the year of readmission.

Re-Admission After the Time Limitation Has Passed

A new application is required for readmission to a graduate program after the time limitation has lapsed for completing degree requirements. The Graduate Program Admissions Committee will review the student's application and academic record under the current University, School of Graduate Studies, and program policies. If admission is granted, the student will be informed of the provisions of readmission and whether any of the courses taken previously will be applied toward the degree.

Graduate Fellowships and Achievement Assistantships

Graduate Fellowships

Graduate Fellowships may be awarded on the basis of need or merit. To be considered for an award, a student must be enrolled full-time (nine semester credit hours or more) as a degree-seeking student and have a minimum grade point average of 3.0 as an undergraduate student (for newly admitted students) or as a currently enrolled student.

The number of graduate fellowships is limited and subject to the availability of funds. All graduate students may be considered for graduate fellowships.

Graduate Achievement Assistantships

Norfolk State University is authorized in the Code of Virginia to offer Achievement Assistantships to Virginia and non-Virginia graduate students. To be eligible for this award, a student must be:

1. Enrolled full-time (nine credit hours or more)
2. In good academic standing with a gpa of 3.3 or higher in their undergraduate program (new students) or their current program (enrolled students)
3. Making satisfactory progress toward a graduate degree
4. Recommended by their academic program

A qualified graduate student may receive an assistantship in an amount not to exceed the cost of tuition and fees. Continuing students must maintain a cumulative grade point average of 3.3 or better to receive this assistantship. All graduate students may be considered for this award.

Students should complete a FAFSA for consideration of most awards.

Tuition, Fees, and Financial Information

The following guidelines outline eligibility information for obtaining in-state tuition rates in the Commonwealth of Virginia. The information is not comprehensive and should only be used as a general reference.

Domicile

To be eligible for in-state tuition rates, students must be domiciled in Virginia for a minimum of one year preceding the first official day of classes. Domicile is defined as the student's "present, fixed home to where the student returns following temporary absences and to where he or she intends to stay indefinitely." In order to qualify for Virginia in-state tuition, therefore, the student must meet two criteria: he or she must currently reside in Virginia and intend to reside in Virginia indefinitely.

As a minor, a student carries his or her parents' domiciliary status. Once the student reaches the age of 24, he or she is eligible to establish his or her own domicile. However, if a student is over 24 years of age and is financially dependent on his or her parents, normally the parents must be domiciled in Virginia before the student becomes eligible for in-state tuition benefits.

Factors Used to Determine Domicile

The University reviews several factors when determining domicile, including:

1. Residence during the past year prior to the first official day of classes
2. State to which income taxes are filed or paid
3. Employment
4. Valid Driver's license
5. Voter registration
6. Motor Vehicle Registration
7. Property ownership
8. Location of checking or savings account
9. Other social or economic ties with Virginia and other states
10. Military personnel or dependents should refer to the application for change of domicile.

The presence of any or all of these factors does not unquestionably determine Virginia domicile. These factors, used to support a case for in-state tuition benefits, must have been present for one year prior to the first official day of classes.

Residence or physical presence in Virginia attained primarily to attend a college or university does not entitle a student to in-state tuition rates. If a student is classified as an out-of-state student, that student will be required to provide clear and convincing evidence to refute the presumption that he or she is residing in the state primarily to attend an institution and does not intend to stay indefinitely. Applications for change of domicile are available through the Office of Admissions.

All applications and supporting documents must be received in the Office of Admissions prior to the start of the semester for which a change of domicile is sought. Domicile review and appeal procedures may take up to six weeks. If a student's application is pending a decision, the student will be expected to pay out-of-state charges until written approval has been granted by the Domicile Committee.

Copies of pertinent Virginia statute and guidelines issued by the State Council of Higher Education for Virginia are on reserve in the University Library. For additional information, contact the Office of Admissions at (757) 823-8396 or 1-800-274-1821.

Tuition and Fees

Tuition and fees are established annually by the University's governing board, the Board of Visitors. Considerable effort is made to keep increases at a minimum. For fee information, students should obtain a current "Schedule of Tuition and Fees" and "Registration Information and Schedule of Classes" booklet online or from the Registrar's or Admissions Office located in the Student Services Center. These documents will include the current tuition, mandatory fees, room, board, and any special instructional fees. Students who register during late registration will be assessed a late registration fee.

Books, uniforms, supplies, professional dues, and examination expenses are paid separately from University charges. Students should consult their academic department for an estimate of these costs.

The current listing of tuition and fees is located at: https://www.nsu.edu/finance/student-accounts/tuiti2on-and-fees (https://www.nsu.edu/tuitionandfees.aspx).

Financial Aid for Students

Financial aid programs provide monetary assistance to students who would not otherwise be able to pursue or continue their educational objectives. Financial aid awards may be based on merit or need. The Free Application for Federal Student Aid (FAFSA) is used to determine a student's eligibility for need and non-need based financial aid. The FAFSA may be accessed and completed online at (studentaid.gov (https://studentaid.gov/h/apply-for-aid/fafsa/)). For additional information on FAFSA, students may call 1-800-433-3243.

The information on financial aid contained herein is subject to change or deletion as circumstances warrant.

Application Requirement

The Financial Aid application priority deadline is March 15. Applications and required documentation are accepted after this date. Financial Aid

awards are made on a first come, first served basis. All documentation must be received and completed prior to a student obtaining a financial aid award offer.

To receive and to continue to be eligible for financial aid, a student must be admitted to a graduate program as a degree-seeking student, in good academic standing, making satisfactory academic progress toward his/her degree. In addition, the following information is required:

Free Application for Federal Student Aid (FAFSA)

The FAFSA information helps the University and other awarding agencies to determine eligibility for financial assistance. The **NSU Federal School Code is 003765**. To complete the FAFSA visit studentaid.gov (https://studentaid.gov/h/apply-for-aid/fafsa/). Failure to complete the FASFA form in its entirety may delay the processing of financial aid applications.

Verification of Taxable and Non-taxable Income

Upon request, students may be required to submit a copy of their 1040. In addition, students may be required to submit a copy of non-taxable income such as social security benefits, veteran's benefits, pension and annuity, and any other documentation requested by the Financial Aid Office.

Federal Ford Direct Loans

The University participates in the William D. Ford Federal Direct Loan Program. This loan program consists of the Federal Ford Subsidized Loan, the Federal Ford Unsubsidized Loan and the Graduate PLUS Loan. Graduate Students can borrow from Unsubsidized only. Students borrowing from loan programs borrow directly from the U.S. Department of Education. The Ford Direct Unsubsidized Loan is a non-need-based Loan. The maximum award is $20,500 per academic year.

ACADEMIC POLICIES

Academic Honesty

In keeping with its mission, the University seeks to prepare its students to be knowledgeable, forthright, and honest. It expects and requires academic honesty from all members of the University community. Academic honesty includes adherence to guidelines established by the University for the use of its libraries, computers, and other facilities.

"Academic or academically related misconduct" includes, but is not limited to, unauthorized collaboration or use of external information during examinations, plagiarizing or representing another's ideas as one's own, furnishing false academic information to the University, falsely obtaining, distributing, using, or receiving test materials, obtaining or gaining unauthorized access to examinations or academic research materials, soliciting or offering unauthorized academic information or materials, improperly altering or inducing another to alter improperly any academic record, or engaging in any conduct which is intended or reasonably likely to confer upon one's self or another an unfair advantage or unfair benefit respecting an academic matter.

Additional information regarding academic or academically related misconduct, and disciplinary procedures and sanctions regarding such misconduct, may be obtained by consulting the current edition of the Norfolk State University Student Handbook.

Graduate students are expected to exhibit personal and academic integrity as they pursue their educational goals and engage in research and other scholarly activities. Students must adhere to University policies and procedures regarding scholarly responsibility, intellectual property, responsible conduct of research, and all policies and protocols related to research involving human subjects and/or animals. Contact the Office of Sponsored Programs for regulations and protocols regarding the protection of human and animal subjects in research.

Class Attendance Policy

The University expects students to attend all classes. While absences are discouraged, the University recognizes that, on occasion, students may have legitimate reasons for being absent. Thus, a student will be permitted one "unexcused" absence per semester hour credit or the number of times a course meets per week. Once a student exceeds the number of allowed unexcused absences, an instructor may require an official University excuse. Not more than 20% of class meetings (excused and/or unexcused) may be missed by a student during a given semester. At the discretion of the instructor, a student whose absences exceed 20 percent of scheduled class meetings for the semester may receive a grade of F for the course.

Students have the responsibility to confer with instructors regarding all absences or intended absences. If a sudden departure from the campus (for an emergency or extraordinary reason) prevents a student from communicating with each of his or her instructors, the student is expected to notify the Dean of Students Office within 48 hours.

Class excuses are issued for legitimate reasons as deemed appropriate by the Dean of Students Office. Such reasons may include but are not limited to medical reasons, funerals for immediate family, and official University business/activity. Official written documentation may be required. Notes from relatives, friends, etc., are not accepted as "official" documentation for absences. The Dean of Students Office will determine if an absence is legitimate and if an excuse will be issued.

Students who become ill are encouraged to report to the Student Health Center, located in Spartan Station, for "minor" medical treatment. A current NSU ID card must be presented prior to treatment. Written verification of illness issued by the Health Center should be carried to the Dean of Students Office, and an official University excuse should be obtained.

Students residing in on-campus housing facilities are governed by the same policies and procedures as non-residential students insofar as class attendance and class excuses are concerned.

Candidacy For Degree

Each graduate student is assigned a faculty advisor. The student is expected to develop early, in consultation with his/her advisor, a program of study for completion of degree requirements. It is the responsibility of each student to work with the academic advisor toward the completion of degree requirements and preparation for graduation.

Commencement

Commencement Policy

Commencement exercises are held two times each year in May and December. Candidates must complete all requirements no later than the published deadlines for graduation.

The Office of the Registrar processes all applications for graduation. Any student expecting to complete academic requirements at the end of a semester must complete and file an application for graduation through the academic department by the designated due date for the applicable semester. It is the responsibility of the department chair to submit the necessary forms and documentation to the Registrar's Office in compliance with established deadlines. A graduation application fee will be assessed in accordance with the University Fee Schedule.

Students must resolve deficiencies and/or discrepancies in the academic record with the department chair/program coordinator/director within prescribed guidelines including incomplete removals and meeting thesis and dissertation format requirements. Failure to do so may result in deferring graduation.

Commencement Participation

Candidates for graduation must complete all degree requirements and satisfy all financial obligations in order to participate in commencement ceremonies. Academic and financial clearances must be obtained before academic attire is issued to the student. Information about commencement requirements can be found on the Office of the Registrar's website:

https://www.nsu.edu/registrar/graduation (https://www.nsu.edu/registrar/graduation/).

ACADEMIC INFORMATION

The requirements which are listed below apply to all graduate students at Norfolk State University. It is the student's responsibility to be knowledgeable of and comply with all policies, procedures, and regulations. Specific departmental and program requirements are available in departmental offices, websites, and program handbooks.

The Curriculum

The curriculum is the vehicle through which the University seeks to make its most significant impact upon the lives of students. Developing, implementing, and updating curricula is the responsibility of the faculty and academic administrators. Curricular offerings are described in this catalog for each academic program.

Course Load

A full-time graduate student must be enrolled in nine (9) credit hours per semester during the academic year. Students enrolled in at least three (3) and no more than eight (8) credit hours per semester are considered part-time.

Academic Standards and Minimum Grade Requirements

A cumulative grade point average (GPA) of 3.00 ("B"), from semester to semester, is required to

1. maintain good academic standing as a graduate student, and to
2. meet the requirements for a graduate degree.

Any student who fails to maintain a 3.00 GPA will be automatically placed in probationary status and must, within the next enrolled semester elevate his/her GPA to 3.00 in order to remain in the graduate program. Grades in all courses taken as a graduate student are used in determining whether a student has met the 3.00 ("B") cumulative grade point average requirement to remain in good academic standing.

Graduate degree programs vary in their minimum grade requirements for successful completion of a graduate course and program. In some units, a grade of B- or below is interpreted as a failing grade and a student may be required to repeat the course. Students are responsible for knowing and adhering to the academic requirements of their specific program.

Semester Credit Hour

Semester Credit Hour is the unit of instruction used for computing the amount of work required for assigning credit. Academic credit is awarded in the form of a semester credit hour, which reflects the amount of engaged learning time expected of a typical student enrolled not only in traditional classroom settings but also in laboratories, studios, internships, and other experiential learning, including distance and correspondence education. One semester hour is equivalent to one 50–70 minute period of instruction or lecture per week for 15 weeks. Two or three 50-minute periods of laboratory sessions are equal to one period of instruction or lecture. Mini-term courses are equivalent to the time required for full-semester courses. Faculty assign and monitor semester credit hour assignments.

Course Level/Number

Course level/Number is an indicator of the knowledge and skills that are expected to be taught and learned in a course. Course level indicates the progression of learning, rigor, and content. Generally, the course level is indicated by the course numbering system. Graduate-level courses start at 500 and go up to a potential ceiling of 999.

Course Number	Course Level
500-599	First Year Graduate
600-999	Upper Level Graduate

In general, course prefix numbers ranging from 500-799 designate master's level coursework. Depending on the program, doctoral-level course prefixes may range from 500-999. In general, doctoral-level courses are designated by course prefixes ranging from 700-999.

The Grading System

The grade point system, based upon all graduate hours graded at Norfolk State University is used to calculate student scholarship. The table below depicts the grading symbols and points used to calculate grade point averages.

Grade	Quality Points	Description
A	4.000	
A-	3.700	
B+	3.300	
B	3.000	
B-	2.700	
C+	2.300	
C	2.000	
C-	1.700	
F	0.000	
I	None	Incomplete
W	None	Official Withdrawal

Transfer credits from institutions where the pass/fail grading system prevails will be interpreted as "B" unless the awarding institution submits with the transfer credits, a copy of its policies that would justify the interpretation of the transfer credits otherwise.

The established University policy will prevail regarding the awarding and use of the "W" grade.

Auditing Courses

Students who desire to attend courses but do not wish to receive course credit may audit such courses, with permission from the instructor. Even though no grade will be received for the course, the student is required to pay the required fee. To audit a course the student must complete the Course Request Form and place an "AU" in the "Tuition Hours" column of the form. The instructor's signature should be placed in the "Comments" column on the same line as the audited course. The auditing student is expected to attend classes regularly but is not required to submit assignments or take examinations. Changing from audit to credit or from credit to audit is permitted only during the scheduled "Add" period. Audited courses may be dropped during the scheduled "Drop" period.

Change of Curriculum Within a Program

Students wishing to make a curriculum change from one track/concentration to another within a graduate degree program must execute the Change of Curriculum form. This form must be signed by the program officer of the graduate program in which the student is enrolled. The Change of Curriculum form may not be used to make a change from one

graduate degree program to another because admissions requirements for graduate programs vary. The Change of Curriculum form is processed in the School of Graduate Studies and Research.

Continuous Registration

Continuous registration is required for all degree-seeking graduate students, including students completing terminal projects, theses, and practicums; working to remove "I" grades; or preparing to take a comprehensive/qualifying examination.

Students must enroll in a continuous registration course and pay a continuous registration fee each semester until degree requirements are met. Students are expected to meet regularly with their advisors during the continuous enrollment period.

A student who is not continuously enrolled at Norfolk State University, excluding summer sessions, must submit an application for readmission. Readmission Applications are available at http://www.nsu.edu/applyonline (http://www.nsu.edu/applyonline/).

Course Substitutions

Course substitutions involve Norfolk State University courses and should not be confused with the awarding of transfer credits. Students may request that a course taken at Norfolk State University be substituted for a prescribed course to meet a degree requirement in the student's academic program. Course substitutions must be submitted the following semester after successful completion of the course and approved by the Program Coordinator and the Dean of The School of Graduate Studies and Research.

Grade Appeal

The instructor has the responsibility for evaluating coursework and determining grades; however, the student has the right to appeal a grade believed to be in error. The appeal process may involve the following steps and may be resolved at any level:

1. The student confers with the instructor involved.
2. The student and instructor (preferably together) confer with the chairperson of the department offering the course.
3. The student and instructor (preferably together) confer with the dean of the school in which the department is housed.

When the above steps do not resolve the issue, the student may initiate a formal written appeal through the Faculty/Student Grievance Committee to the Provost for its review and recommendation. Appeals should not be taken lightly by either the student or the instructor.

The student is responsible for verifying the accuracy of his or her academic records. Grade appeals should be made immediately after the grade in question is received. No appeals will be considered after one year has elapsed or after graduation, whichever is earlier.

Incomplete Grades

A grade of "I" is assigned when a student has maintained a passing average but for reasons beyond his/her control, the course requirements have not been met. It is the responsibility of the student to make arrangements with the instructor to remove the "I" grade. The instructor will set a time limit, usually no later than mid-term of the next semester, for the removal of the 'I'. After a one (1) year time limit, the "I" grade will automatically change to the "F" grade. No student will be allowed to participate in commencement with an "I" on his/her record.

Repeating Courses

A student who has received a final grade of B- or lower in a course may repeat the course. Students must consult with their academic advisors regarding minimum course grade requirements and policies for repeating courses. The course to be repeated must be taken at Norfolk State University and taken prior to completion of the degree at Norfolk State University. The normal registration procedure must be followed when registering for repeat courses, and the grade earned will be posted to the student's record. The credit and quality points for the highest grade earned (one grade only) will be used to calculate the student's GPA. All courses attempted (the original course attempted and the grade for that course) will remain on the student's permanent record and will appear on the transcript.

Registration

Registration for graduate students takes place in the department. The graduate student must consult with an advisor in his/her respective department to plan her/his program of study.

All graduate students are classified as "Day" students and are required to secure an I.D. card appropriately marked "Graduate Student." I.D. cards are issued or updated during the registration period.

I.D. cards provide access to the following:

1. library and media center;
2. recreational facilities;
3. the Student Activities Center;
4. parking privileges on campus, and
5. financial offices at the University.

Residence Requirements

The minimum residency requirement for a graduate degree is one academic year. This residency requirement reflects the graduate faculty's concern that students experience sustained academic concentration directly related to the degree sought. Therefore, it is required that graduate students pursue their studies as fully participating members of their respective programs for a minimum of one academic year. Students in fully online programs do not have to meet this residency requirement.

Spartans All Inclusive Learning

- Spartans All Inclusive Learning (https://www.nsu.edu/About/Administrative-Offices-Services/Auxiliary-Services/Departments/Spartans-All-Inclusive-Learning/)

Spartans All Inclusive Learning (SAIL) is a course material model that reduces the cost of materials for students and ensures they have all their materials across all courses prior to the first day of class. Instead of purchasing materials a la carte, the cost will be included in their tuition or as a charge. The bookstore will provide each student with a convenient package for physical books and digital materials will be delivered directly to Blackboard. The cost is $25.00 per credit hour.

The program provides all required textbooks, lab manuals and digital textbook versions to eligible students. The program does not include consumables that cannot be returned and reused such as lab goggles, dissection kits, molecular model kits, engineering kits or nursing kits.

The deadline to return all rental textbooks is the last day of finals. The program provides you with the option to purchase textbooks at a reduced rate during the return period.

All NSU students will be automatically enrolled in the SAIL program. Students have the option to opt out of the program by completing the SAIL Opt-Out Form. Opting out means you will not receive access to your required course materials in a convenient package at a discounted rate. Title IV financial aid recipients have the option of purchasing their books at their own expense or by using their excess FA funds at the Barnes & Noble College bookstore.

Thesis / Dissertation

A student completing a thesis or dissertation will develop his/her plan in consultation with her/his major advisor. The thesis/dissertation must include a significant problem and demonstrate the student's competence in research methods and overall scholarship.

Students should obtain a Thesis Guide from the School of Graduate Studies and Research. It is the responsibility of the student to follow all guidelines and procedures for submitting the thesis or dissertation for processing. Final copies of theses and dissertations are submitted to the University Library.

Transfer of Credit

Generally, a maximum of twelve (12) credit hours of graduate work completed at another regionally accredited institution may be accepted as transfer credit, provided that

1. the credits have not previously been used or applied to a degree at another institution;
2. the grade earned in the course is "B" or above;
3. the courses are comparable to those offered in the program to which the applicant is applying;
4. approval is granted by the graduate program area; and
5. the credits were earned within five (5) years prior to registration.

Graduate programs that require 60 semester credit hours may approve up to 24 credit hours of transfer credits, this policy also applies to courses taken at Norfolk State University.

Transfer credits are not included in the calculation of the cumulative grade point average. For clarification regarding the transfer of credit for specific courses, applicants should consult the Graduate Program Coordinator.

Withdrawal from Courses

A graduate student may officially withdraw, voluntarily and without penalty, from a course in accordance with the dates stipulated in the University Calendar. To withdraw, a student must file a withdrawal petition that is available in the academic unit or the Registrar's office. The final grade for the course(s) dropped is a "W."

Students who withdraw from all courses after the second week of the semester are considered to have been enrolled for the semester. Degree-seeking students who withdraw from all courses for one semester, excluding summer sessions, may enroll in the subsequent semester provided they have not attended another college or university since last attending NSU, have not been suspended from NSU, and otherwise are eligible to return.

Fees for students who withdraw or reduce their course load will be adjusted in accordance with the University's Fee Adjustment Schedule which is printed in the Registration Booklet. Financial aid eligibility may be affected by reducing the course load after financial aid has been awarded.

Withdrawal from the University

University policy requires a student to complete an Application for Withdrawal when enrollment is terminated before the end of a semester or summer session. The Application for Withdrawal may be obtained from the department head/advisor or the Registrar's Office and must be submitted to the Office of the Registrar by the last day of class. The student should discuss the matter with their advisor or Program Coordinator/Director before processing the Application for Withdrawal. The last day to officially withdraw from all classes is the last published date for all classes.

If the student is ill or otherwise incapacitated and cannot complete the withdrawal process, the student must contact, or have someone else contact the Dean of Student's Office immediately.

A student who fails to adhere to the published deadlines for withdrawing from all classes or withdrawing from the university will be charged the appropriate tuition and will receive a failing grade (F).

Note: Under no circumstance does non-attendance constitute an official withdrawal from the university.

Lyman Beecher Brooks Library

Don Essex
Dean of Library
(757) 823-9153

The Lyman Beecher Brooks Library provides services and resources to meet the scholarly and informational needs of the Norfolk State University community. Students and faculty can access online resources, including the library catalog, electronic full-text journals, and e-books, either remotely or via any campus computer. The Reference Research area in the library not only provides research assistance but also provides access to additional computer workstations, which students can use for research needs. The Lyman Beecher Brooks Library is a member of the Virtual Library of Virginia. This cooperative effort of the libraries of colleges and universities in the state of Virginia provides cost-effective access to online resources and enhances interlibrary lending. The Library has extensive journal subscriptions, including e-journals and many issues in microformat. The Library is an open-stack facility with space for approximately 2,000 readers and a book capacity of 500,000 volumes.

Campus Archives

Harrison B. Wilson Archives

The Harrison B. Wilson Archives is the repository of the historical records of the University, its faculty, alumni, and students. In addition, the Archives has the mission of collecting and preserving the historical records of African-Americans in Virginia and making them available to researchers.

Herbert A. Marshall Collection

The Herbert A. Marshall Collection is a Special Collection of approximately ten thousand (10,000) items pertaining to African-American history, folklore, and culture.

Lois E. Woods Museum

The Lois E. Woods Museum houses a collection of African art from 14 countries representing 40 groups and cultures. Included in the museum is a reference library that features over 400 books on African art, folklore, and history.

ADMINISTRATIVE OFFICES

The administrative offices help the university carry out its mission efficiently and effectively. The University is organized into 5 divisions:

- Office of the Provost (p. 21),
- Finance and Business (p. 32),
- Operations and Institutional Effectiveness (p. 34)
- Student Affairs (p. 23)
- University Advancement (p. 33).

Each division is led by a vice president who is responsible for implementing programs and services that are essential for the management of the University.

Office of the Provost

Dr. DoVeanna Fulton
Provost and Vice President for Academic Affairs
(757) 823-8408
The Office of the Provost at Norfolk State University bears leadership responsibility for the academic focus of the institution. The Office plays a central role in the articulation, development, initiation and continuing support of the educational philosophy of Norfolk State University which is articulated in its mission: "To provide an affordable, high quality education for an ethnically and culturally diverse student population, equipping students with the capability to become productive citizens who continuously contribute to a global and rapidly changing society."

The Office is made up of two colleges, three professional schools, an off-campus center, and academic support programs. The colleges are the College of Liberal Arts and the College of Science, Engineering, and Technology. The schools are the School of Business, the School of Education, and the Ethelyn R. Strong School of Social Work. Thirty bachelor's degree programs, two associate degree programs, sixteen master's degree programs, and three doctoral degree programs are offered through these schools. Continuing Norfolk State University's tradition of service, the Office of the Provost promotes and encourages community involvement. The Office of the Provost provides a variety of programs and opportunities in which the students, faculty, and staff may demonstrate altruistic spirit.

The goal of student success guides all academic policies and processes. The Office of the Provost is committed to student mastery of subject matter, the acquisition of liberal knowledge, and the development of competence in students' career fields. The leadership of the Office of the Provost works in concert with the faculty to ensure that the curriculum supports the University's mission and strategic imperatives.

To that end, the Provost has developed the following goals:

1. Enhance the Collegial Environment – identify correct Rules of Engagement
2. Enrollment Growth in Quality and Quantity – increase student enrollment with improved quality
3. Improve the freshman to sophomore retention rate; and increase the Graduation Rate
4. Implement Teacher/Scholar Model for the faculty – improve sponsored research and NSU role in economic development
5. Implement Performance Based Management Model - ensure accountability at all levels

The implementation plan for these goals including targeted initiatives, action steps and resource needs, are available in the

Office of the Provost, Suite 460
Harrison B. Wilson Hall
(757) 823-8408.

Programs under the Office of the Provost include, but not limited to, the programs/services which follow.

Inter-Institutional Exchange Program with Old Dominion University

Norfolk State University students have the opportunity to take courses at Old Dominion University through a student exchange program.

Graduate and undergraduate students are eligible to participate in the Exchange Program. For degree purposes, credits earned will be considered resident credit at the home institution. Courses taken at ODU under this program will be considered the same as Norfolk State University courses; all other courses taken at ODU are subject to Transfer Credit Policy limitations. Registration under this program is limited to students with a cumulative grade point average of 2.00 or better. The approval of the school dean is required.

The Registrar at each institution will register a student for courses at the other institution if the student presents a form properly signed by the appropriate university officials. The student exchange will be honored both in regular sessions and in the summer session.

Regular bus service between campuses is provided during the regular session but is not available for evening classes or the summer session.

Information Technology Services (ITS)

(757) 823-8678 – Help Desk

The information Technology Services (ITS) manages the administrative and academic information technology resources for Norfolk State University. ITS provides ubiquitous access to technology over a highly secured wired and wireless CISCO-based network, utilizing a gigabit fiber optic backbone for voice, video, data, and security. A port-per-pillow, computer labs, and wireless access are provided in all the residence halls.

The Enterprise Information Systems (EIS) administrative computing unit includes the Student Information System (Datatel/Colleague) and university web development. MyNSU is a Datatel web-based tool for online registration, grades, unofficial transcripts, financial aid information, and online payments.

ITS also works closely with the Office of eLearning and the Division of Financial Services on Blackboard's course management and dining and vending systems.

NSU's state-of-the-art Data Center houses over 100 enterprise-wide servers and a supercomputing Internet2 environment managed through a high-end Networking Operations and Security Center. The new Virtualization and Collaboration Center provides an environment conducive for onsite and remote collaborations, visualization, and training in support of a wide variety of opportunities.

E-mail is provided through a Microsoft Exchange Enterprise Email System.

Television/video/multimedia technology specialists provide on-site event coverage and production support to meet both institutional and instructional needs of the University. The Telecommunications Unit is responsible for all telecommunication services on campus, including cellular and desk phones. The development of a Supercomputing environment using Internet2 in the new McDemmond Center provides NSU with the latest cutting edge technology for research.

Faculty and Staff receive Colleague, technical, and applications software training through the ITS Training unit. Since flexibility is a key consideration, various types of training are offered including: general classroom, departmental, one-to-one, and online tutorials.

Faculty, students, and staff of Norfolk State University must comply with all University, Information Technology Services (ITS), and school/ department policies and procedures relating to the use of technological resources operated for administrative, academic/ instructional, and research purposes. Current University and ITS policies are found at the following websites:

http://www.nsu.edu/policies/ and http://www.nsu.edu/oit/policies/.

Off-Campus Center

Virginia Beach Higher Education Center (VBHEC)
1881 University Drive
Virginia Beach, Virginia 23453 (757) 368-4150

The mission of NSU programs and services at the VBHEC is to provide educational opportunities and outreach services for traditional and non-traditional students with special emphasis placed upon the adult lifelong learner. Additionally, VBHEC strives to develop and disseminate educational programming, training programs, and selected technological information to its adult constituents outside the traditional credit delivery formats.

The Virginia Beach Higher Education Center, operated cooperatively by Norfolk State University and Old Dominion University, offers graduate-level courses for Norfolk State University in criminal justice, secondary education, urban education (counseling), and social work. Undergraduate courses and a number of continuing education (non-credit) offerings are also available. This Center offers administrative services, including academic counseling and course registration. Courses offered at the ODU/NSU Higher Education Center are listed with section number 85.

The goal of the Center is to strengthen the skills of the adult learner through educational opportunities in workforce development, leadership, competitive education programs, continuing education, and business and community partnerships.

The Center focuses on meeting the needs of non- traditional students and offers weekend and evening courses. Other programs located at VBHEC are Spartan Prep Academy, Military Education Programs, the Reclamation Project, and the Criminal Justice Master's degree program. Other credit classes taught at VBHEC include—Interdisciplinary Studies, Urban Education, History, Nursing, Business, English, Psychology and Social Work. Courses are offered using a variety of modalities including, but not limited to, face to face, online, and videoconferencing. Non-credit continuing education certificate courses and programs are offered year round. The VBHEC is also used for special events such as the Annual Women's Conference. Community groups, school systems, and government agencies also host various events at this location.

Division of Student Affairs

Dr. Leonard Brown, Jr.
Vice President for Student Affairs
(757) 823-8141

The Division of Student Affairs is the central administrative unit responsible for the coordination and direction of student programs, services, and activities outside the classroom. The departments within the Division are dedicated to recognizing and providing for the needs of each student while stimulating student development outside the classroom. Other goals are aimed at preserving the rights of each individual student; fostering respect and communication among different cultures; maintaining a continued process of self-assessment; and adapting objectives to meet the needs of the student body while supporting the educational mission of the University.

Office of the Dean of Students

Student Services Center, Suite 307
(757) 823-2152

The Office of the Dean of Students assists all students, graduate and undergraduate, from their initial orientation to the University through successful completion of their academic and career goals. The Dean of Students staff advocates for student needs, addresses student complaints, acts as a liaison between students and academic departments, and provides support and challenges designed to enhance personal growth, as well as a sense of personal authority and responsibility in each student.

Student Advocacy and Family Relations

Student Services Center, Suite 319

Student Advocacy and Family Relations is available and committed to address comments, questions, and concerns related to the NSU experience. Individuals are counseled regarding University policies and procedures. Concerns and complaints are investigated by working with campus officials and a response is given via email. An online form is available at https://www.nsu.edu/student-affairs/dean-of-students/student-complaints. Ensuring the highest level of satisfaction is paramount.

Student Conduct

Student Services Center, Suite 307

Student Conduct through the Dean of Students Office supports the mission of the University by promoting an environment conducive to transforming lives and empowering individuals through the fair and impartial administration of the Code of Student Conduct. We recognize that every community includes rules, standards, and expectations. The office helps educate students on their responsibilities as members of the Norfolk State University community and promotes a safe and inclusive atmosphere. Additional information can be found at: Student Conduct (http://www.nsu.edu/dean-of-students/student-conduct/)

The Dean of Students Office is located in the Student Services Center, Suite 307. The telephone number is 757-823-2152.

Student Concerns

The Office of Academic Engagement handles academic student concerns rising to the Office of the Provost.

STUDENT COMPLAINT PROCESS

Student concerns will be addressed according to published protocol. For academic concerns, students must begin by interacting directly with the instructor in a respectful, professional manner. Nearly all concerns can be resolved at the level of the instructor in a collegial conversation.

- Please take time to review a flowchart of the University's Student Complaint Process (https://www.nsu.edu/oel/student-complaint-process/)

The official process for addressing student concerns is located at the link below. Please see the appropriate school or college Student Resolution Form below.

Student Resolution Forms

- Student Resolution Form - COLA (https://www.nsu.edu/Academics/Academic-Engagement/Student-Pathways-Academic-Formation/Student-Concerns/Student-Resolution-Form_COLA.aspx)
- Student Resolution Form - CSET (https://www.nsu.edu/Academics/Academic-Engagement/Student-Pathways-Academic-Formation/Student-Concerns/Student-Resolution-Form_CSET.aspx)
- Student Resolution Form - Business (https://www.nsu.edu/Academics/Academic-Engagement/Student-Pathways-Academic-Formation/Student-Concerns/Student-Resolution-Form_Business.aspx)
- Student Resolution Form - Social Work (https://www.nsu.edu/Academics/Academic-Engagement/Student-Pathways-Academic-Formation/Student-Concerns/Student-Resolution-Form_Social-Work.aspx)
- Student Resolution Form - Education (https://www.nsu.edu/Academics/Academic-Engagement/Student-Pathways-Academic-Formation/Student-Concerns/Student-Resolution-Form_Education.aspx)

SCHEV

In accordance with VAC 40-31-100 of the Virginia Administrative Code, the State Council of Higher Education of Virginia (SCHEV) is responsible for investigating all written and signed student complaints against post-secondary educational institutions in Virginia, once a student has exhausted all available grievance procedures at the University. Please review the attached link for additional information: SCHEV Student Complaints Page (http://www.schev.edu/index/students-and-parents/resources/student-complaints/).

Complaints and Grievances to External Entities

For students (and other persons) who wish to address unresolved complaints, the University provides contact information for the following entities:

1. The Southern Association of Colleges and Schools Commission on Colleges SACSCOC, 1866 Southern Lane, Decatur, Georgia 30033-4097 or call (404) 679-4500 for unresolved complaints concerning University compliance with accrediting standards;
2. The State Council of Higher Education for Virginia (SCHEV), 101 N. 14th Street, 10th Floor James Monroe Building, Richmond, Virginia 23219 for unresolved complaints concerning a condition or incident involving the University;
3. The Office of the State Inspector General, 101 N. 14th Street, 7th Floor, Richmond, Virginia 23219, (804) 625-3255 or (800) 723-1615, for complaints alleging fraud, waste, abuse, or corruption; and

4. The Office of Civil Rights of the U.S. Department of Education, 400 Maryland Avenue, SW, Washington, D.C. 20202, (1-800-872-5327), for complaints concerning federal laws prohibiting discrimination.

Career Services

Student Services Center, Room 318
(757) 823-8462

Career Services is responsible for the overall planning, development, and implementation of the University's Career Services program for students and alumni. The office is located in Suite 318, Student Services Center.

Functions include:

1. Identifying and developing full-time, internship and cooperative opportunities;
2. Maintaining Handshake, a dynamic database of employment opportunities that allows students/alumni to upload resumes, and apply for jobs and internships;
3. Providing career coaching and advising;
4. Planning and conducting professional seminars which include Resume Writing, Interviewing Skills, Internship Preparation, Job Search Strategies and Dress for Success, and Professional Social Media training;
5. Planning and coordinating the On-campus Interviewing Program;
6. Planning and conducting career fairs (fall/spring) and graduate professional school day (fall semester).

Student must register with Career Services to receive all available services. Seniors are strongly encouraged to register with Career Services to prepare to transition into the professional workforce upon graduation.

Counseling Center

(757) 823-8173

The Counseling Center provides a range of counseling services for Norfolk State University students at no charge. Services include individual, group, and crisis counseling, as well as educational outreach programming.

Counseling Services are confidential. The Counseling Center does not release information about a student without the student's written permission, except in cases of imminent danger to self or others, when the student is a minor (under 18), per court order, or otherwise required by law. Counseling records are not part of academic records.

Counselors are available to consult with students, parents, and staff about issues that affect student life. Adjustment difficulties, substance abuse, depression, troubled relationships, and the inability to manage stress are a few reasons students seek counseling services. Crisis counseling is available to students 24 hours per day, seven days per week.

The Counseling Center staff are professional counselors trained, licensed and experienced in addressing issues common among university students. Appointments can be made by phone or in person. For additional information, please visit the Counseling Center in Room 312, Student Services Center, or call (757) 823-8173.

Office of Accessibility Services/ International Student Services (OASIS)

James Bowser Bldg., Suite 121
(757) 823-8325

The mission of Accessibility Services/International Student Services is to promote the academic success of students with disabilities (SWD), and International Students through high-quality educational assistance; faculty and staff seminars; workshops and training, and assistive technology training for students, faculty, staff, and administrators.

Accessibility Services

Accessibility Services is committed to complying with both the Americans with Disabilities Act (ADA) of 1990 and Section 504 of the Rehabilitation Act of 1973.

Accessibility Services assists currently enrolled students with documented disabilities including physical disabilities, traumatic head injuries, learning disabilities and other health concerns. Services include counseling, rehabilitation, note-sharing, and priority seating.

All contacts are held in strict confidence, and information is released only with the student's permission.

Assistive Technology Laboratory (AT Lab)

The AT Lab exists to support the enhancement of student outcomes through the delivery of information, training, and support through the use of assistive technologies. Students with documented disabilities who are enrolled in the SSDS program are given access to the AT Lab where they are able to utilize specialized hardware, software, and other technologies that level the playing field in their endeavor to excel.

A complete list of services and accommodations are provided through the SSDS program and within the AT Lab is available from Disability Services and the Norfolk State University Student Handbook.

International Student Services

James Bowser Bldg., Suite 121
(757) 823-8325

International Student Services assists international students with matters related to immigration, promoting international education, and intercultural understanding. The office circulates immigration information and acts as a referral source for students, staff, faculty, and the community. Services include issuing visa documents/advising students; processing immigration petitions; serving as a liaison between the international student, the university, government agencies; and providing support services and education to enhance student success.

More information is available in the International Student Services Office and in the Norfolk State University Student Handbook. The office is located in the James Bowser Bldg., Suite 121.

Housing and Residence Life

Residential Complex, Suite 100
(757) 823-8407

Living in one of our residential communities provides a great opportunity for students to take advantage of campus resources such as tutoring, library and dining; interact with people from different backgrounds, be actively involved with campus life, create lifelong friendships, and

develop to your fullest potential. Students who reside in our residential communities are required to abide by all University policies and respecting the rights of other residents.

Staff

Each residential community is staffed with full-time and part-time employees such as a residence hall director, graduate assistant (GA), front desk staff, and a resident assistant (RA) who is assigned to each floor. All staff are responsible for administering and enforcing University policies and regulations, while acting as an advocate, listener, mediator and resource person.

Living on Campus

All students who live within our residential communities are members of the Residence Hall Association (RHA). RHA is committed to enhancing the residential experience on campus. Each community has representatives who work with the Office of Housing & Residence Life to identify areas of concern, enhance services provided to residential students, and plan and implement fun, creative programs and activities.

Payment of Fees

All students desiring on-campus housing must submit an online housing application and include the non-refundable housing deposit of $300.00 by the deadline date (Fall semester entry-April 1st for current NSU students and June 1st for incoming first-time students; Spring semester entry-November 1st).

Applications will be considered upon submission of a complete housing application and the $300 deposit. Students may submit a request for a preferred residential community but Housing and Residence Life does not guarantee placement. Spaces are assigned on a first-come, first-serve basis.

Upon receipt of a bill from NSU, the entire room and board balance must be paid in full or payment arrangements made with the Office of Student Accounts in order for students to receive a key to their room. To inquire about individual accounts, students should contact the Office of Student Financial Services at (757) 823-8381.

Roommate Request(s)

Requests for roommates will be honored, to the extent possible, provided the request is mutual and included on the housing application of each applicant, deadlines for fees are met, and each person making the request meets all eligibility criteria for living in the desired residential community.

Occupancy of Rooms

Students are required to occupy rooms on or before the first day of classes or they may forfeit their room reservation.

Check-In

Upon check-in, students must complete a Blue Card Emergency Contact Form, receive their key, and complete a Room Condition Report. Students must have satisfied all financial obligations to the University and submitted a signed housing contract.

Housing during Breaks

All residential communities are typically closed during the Fall break, Thanksgiving, spring and summer breaks (except Spartan Suites). Students are not required to move their belongings out of their room during Breaks if they plan to return after the break ends. Students will receive updated information with specific dates and times to vacate the respective community.

Students will depart the residential communities at the conclusion of the Fall semester, which coincides with the Thanksgiving holiday. Students who plan to return for the Spring semester are not required to remove their belongings. However, students are strongly encouraged to secure all valuables or take them home.

Withdrawal Procedures

Those who withdraw from their community must contact their residence hall director. Residents are responsible for removing all personal possessions and for cleaning their rooms, which must be verified by the residence hall director. The student is responsible for completing all paperwork to finish the withdrawal process. Students considering withdrawing from their assigned space after the designated grace period outlined in their Housing Contract may incur additional charges on their student account based on contract terms.

There will be a $100 charge for all rooms/suites not cleaned and a $75 key charge for all keys not returned. Both offenses are subject to possible sanctioning that could prohibit future residency. In addition, students withdrawing from the residence halls will incur a $50 charge for improper check-out if they fail to complete any part of the withdrawal process. Students should contact their respective residence hall director if they have questions.

Check-Out Procedures

Prior to student check-in and upon checkout, each residence hall will have staff assigned to check the condition of the room/suite. Damages and other discrepancies will be noted on the back of the resident's Blue Card. Normal wear is not penalized. Should the resident in violation not be known, all residents assigned to the room will be charged. Each resident assigned to a room/suite is responsible for cleaning his or her side of the room. Rooms and/or suites must be clean and free of all trash. Students housed in suites must ensure that the bathrooms are clean. Charges will be assessed for broken, damaged, misplaced, or out of area furniture. Failure to follow correct check-out procedures will result in a fine and possible sanctioning that prohibit future residency in the residence halls.

Off-Campus Housing

The University has an off-campus housing referral listing to aid students in finding privately owned accommodations. Referrals are available in the Office of Housing and & Residence Life. Information is available about rooms, houses, and apartments that are available to students. Contracts or agreements are private matters between the student and the landlord and not Norfolk State University. Students are urged to make living arrangements well in advance of the beginning of the semester.

Violation of Residence Hall Rules and Regulations

Living with a diverse group of students can be challenging and rewarding at times. The Office of Housing & Residence Life seeks to provide an inclusive and welcoming environment where values such as respect, civility, and accountability are upheld at all times. Students within the residential communities are required to abide by the 2022-2023 Residential Handbook (Guide to Community Living) and the terms of their Housing Contract. Additionally, residents are required to abide by the Norfolk State University Code of Student Conduct. Alleged violation of the Handbook or Code of Conduct will result in disciplinary action.

Spartan Health Center

Spartan Station
(757) 278-3360

Student health services are provided by Fort Norfolk Plaza Urgent Care. Basic health services provided Living with a diverse group of students can be challenging and rewarding at times. The Office of Housing & Residence Life seeks to provide an inclusive and welcoming environment where values such as respect, civility, and accountability are upheld at all times. Students within the residential communities are required to abide by the Guide to Community Living Handbook and the terms of their Housing Contract. Additionally, residents are required to abide by the supplies, general and emergency medical services, health education counseling, maintenance of immunization/ health history records, provision of forms and materials on preventive health, mental health, and other health-related areas, and injections of allergy serum (at students' expense). Should a student require consultation with a specialist, the health care provider at the Center will refer the student to a local practitioner. The Center is staffed with highly skilled health care professionals including physicians, nurse practitioners, and nurses.

The costs for the health care services listed above are paid by the University for students who are enrolled full-time. Costs incurred for care that exceeds the services listed above must be paid by the student. Students are encouraged to purchase health insurance to cover the cost of specialty referrals, prescriptions or hospitalization. Students need to bring their NSU ID and any insurance documentation they have in the event outside labs, imaging or referrals are needed.

It is recommended that any necessary dental and/or eye examinations be done prior to coming to the University, as the Health Center cannot provide these services.

The Spartan Health Center does not operate a pharmacy. Prescriptions may be filled at local pharmacies.

Emergency Care

When a serious or life-threatening illness or injury occurs on campus, the NSU Campus Police Department should be contacted immediately by calling (757) 823-9000. Norfolk State University's campus has easy-to-see, blue-light emergency telephones located across campus. Blue-light phones provide a direct connection to the University Police Department. Most blue-light phones are located on each building on campus, including residence halls, and along major foot traffic areas. Phones mounted on residence halls have an emergency button that, when pushed, connects directly with the University Police Department.

If emergency medical transportation is needed, the University Police Department will make the necessary arrangements to ensure that the individual is taken to the nearest urgent health care facility. The expense of this care will be borne by the student.

Location and Office Hours

The Spartan Health Center is housed in the Spartan Station at the east end of the campus. It is open Monday through Friday from 8:00 a.m. to 5:00 p.m. Walk-in hours will be from 8:00 a.m. to 10:00 a.m. for the acutely ill. Acutely ill is defined as new onset of sickness such as fever, diarrhea, urinary problems, and upper respiratory problems. Students should call the Spartan Health Center at (757) 278-3360 or visit the Spartan Health Center's website to make an appointment to ensure prompt treatment. However, students with new onset illnesses will be seen on a walk-in basis between scheduled appointments, whenever possible.

Appointments

Students should call for an appointment to ensure prompt treatment. However, students with new onset illnesses will be seen on a walk-in basis between scheduled appointments, whenever possible.

Confidentiality

The relationship between a clinician and the patient is strictly confidential. To ensure this, the Spartan Health Center will not release files or information to anyone, including university officials, relatives, or prospective employers, without the expressed written consent of the patient. Only upon issuance of a legal subpoena will records be provided without the patient's authorization.

Medical Excuses

Written statements verifying a student's visit to the Health Center will be issued, if necessary, at the discretion of the Health Care Provider. An official university excuse may be obtained from the Office of the Dean of Students.

Immunizations

Health History Record of Immunizations Virginia State Law (Sec.23-7.7) and Norfolk State University require all full-time entering and returning students to provide documentation of immunizations and a completed health record form. The information on this health record is needed to both protect the health of the university community and to assist the Spartan Health Center staff in providing comprehensive medical care for students.

Student Accident Insurance Plan

All full time undergraduate students (U.S. citizens and permanent residents) taking 12 or more credit hours and all international students (full and part time, graduate and undergraduate) will automatically be enrolled in the Accident Only Expense Benefit and the Outpatient Prescription Drug Benefit, insured by BCS Insurance Company. This plan is mandatory and no waivers will be allowed. The annual premium of $100 will be assessed to each qualifying student in two equal installments of $50 each semester.

Additional coverage for sickness benefit is also available. While enrollment in the Sickness Expense portion of the plan is not mandatory, it is highly recommended for students who do not have adequate insurance for sicknesses. Part-time and graduate students are also eligible to enroll in the Optional Sickness plan. Specific information regarding the student insurance plan can be obtained via the NSU website.

Health Insurance

Information about the NSU student insurance plan maybe obtained at the Spartan Health Center or the Office of Student Services/Judicial Affairs. Health History/Record of Immunizations Virginia State Law (Sec. 23-7.7) and Norfolk State University require all full-time entering and returning students to provide documentation of immunizations and a completed health record form. The information on this health record is needed to both protect the health of the university community and to assist the Spartan Health Center staff in providing comprehensive medical care for students.

Student Center

(757) 823-8200

The Norfolk State University Student Center builds a sense of community by facilitating learning, leadership and personal development to enhance the student's experience.

The Student Center is home to the Student Government Association, the Office of the Student Activities and Leadership, meeting rooms, Spartan commuter Lounge, computer labs, Spartan Echo and Spartan Reflection Yearbook Office, Spartan Game Zone, Spartan Training Zone, Spartan Express Café, and University Bookstore. The Spartan Lanes are managed by the Student Center along with Intramural Sports teams and IM league teams.

Student Activities and Leadership

(757) 823-8200

The Office of Student Activities and Leadership is responsible for the coordination and implementation of a creative, responsive, and diverse co-curricular program. Norfolk State University strives to cultivate individuals who have not only mastered academic coursework, but have also developed active interests and skills in interpersonal relations. To assist with this mission, the University promotes a wide range of student organizations and activities. Students are encouraged to participate in the following academic, social, athletic, literary, and religious activities.

Student Organizations

- Accounting Association
- 200 Plus Menu
- 2xclusive Hip Hop Dance Team
- Active Minds at Norfolk State University
- African Student Association
- Airway Science Club
- Alpha Delta Mu National Social Work Honor Society
- Alpha Epsilon Rho
- Alpha Eta Rho Fraternity, Inc.
- Alpha Kappa Alpha Sorority, Inc.
- Alpha Kappa Delta
- Alpha Kappa Mu Honor Society
- Alpha Lambda Delta Honors Society for First Year Students
- Alpha Mu Gamma National Collegiate Foreign Language Honor Society
- Alpha Nu Omega Fraternity Inc.
- Alpha Nu Omega Sorority, Inc.
- Alpha Phi Alpha Fraternity,Inc.
- Alpha Phi Omega Fraternity, Inc.
- Alpha Phi Sigma National Criminal Justice Honor Society
- Alpha Sigma Lambda
- American Association of University Women
- American Chemical Society
- American Physics Society
- American Production and Inventory Control Society
- Arabic Language & Culture Club
- Association for Computing Machinery
- Association of Black Communicators
- Association of Concerned Sociologists
- Association of General Contractors of America
- Association of Information Technology Professionals
- Athletes in Action
- Banking and Finance Club
- Baptist Student Union
- Consumer Services and Family Studies Club
- Cooperative Education Club
- Council for Exceptional Children
- Council of Independent Organizations (C.I.O.)
- Dance Marathon
- Beta Gamma Sigma Honor Society
- Beta Kappa Chi National Scientific
- Beta Psi Biology Society
- Boxing Club
- Business Honor Council
- Caribbean Student Association
- Cheerleaders
- Chemistry Club
- Chess Club
- Chi Eta Phi Sorority, Inc.
- Christian Student Fellowship
- Circle K International
- Collegiate Secretaries International
- Commuter Student Association
- Concert Choir
- Consumer Services and Family Studies Club
- Cooperative Education Club
- Council for Exceptional Children
- Council of Independent Organizations (C.I.O.)
- Dance Marathon
- Data Processing Management Club
- Delta Sigma Theta Sorority, Inc
- Determined Educated Sisters Taking Initiative N Encouraging Dreams(D.E.S.T.I.N.E.D.)
- Diplomats' Circle,The
- DNIMAS Student Association
- Early Childhood Education Club
- Eboni Rage Fashion Society
- Economics Club
- Elements of Style
- English Club
- English and Foreign Languages Major Club
- Elements of Style
- Entertainment Alliance
- Entrepreneurship Club
- Epsilon Tau Sigma
- Family and Consumer Sciences
- Filipino Americans @ Norfolk State
- Finance and Banking Association
- Food Science and Nutrition Club
- French Club

- Freshman Class
- Girls in Science, Engineering and Technology (GISET)
- Genetics Society of Norfolk State University
- Golden Key National Honor Society
- Gospel Choir
- Grace Church Ministries
- Graduate Student Association
- Group for Microgravity & Environmental Biology Strategies for Ecology, Education, Diversity and Sustainability (GMEB-SEEDS)
- Guild of Fine Arts
- Habitat for Humanity
- HBCU's Peace + Love
- Health/Physical Education & Exercise Science Majors Club
- Health Services Management Association
- History Club
- Honda Campus All-Star Challenge
- Honor Society of Nursing
- Honors College Student Association
- Hotel, Restaurant and Institutional Management Club
- Industrial Education Technology Club
- Institute of Electrical and Electronic Engineers
- Interdisciplinary Studies Student Association
- International Food Service Executive Association
- International Student Organization
- International Technology Education Collegiate Association
- Intervarsity Christian Fellowship
- Iota Phi Theta Fraternity, Inc.
- James W. Howell Book Club
- Junior Class
- Kappa Alpha Psi Fraternity, Inc.
- Kappa Delta Epsilon
- Kappa Kappa Psi Fraternity, Inc.
- Kappa Omicron Nu
- Kappa Omicron Tau Society
- Ladies and Gentlemen of Technology
- Leading the Education of Gay and Straight Individuals (LEGASI)
- League of Extraordinary Men
- The League of Extraordinary Women
- The League of Gamers Inspiring Culture (L.O.G.I.C.)
- Lyman B. Brooks Debating Society
- Mass Communications Student Association
- Master Social Work Graduate Student Organization
- Material Advantage (ACerS-ASM-TMS)
- Materials Research Society Mathematics Club
- Minority Association of Pre-Health Students
- Music Educators National Conference
- National Association for the Advancement of Colored People (NAACP)
- National Association of Black Accountants (NABA)
- National Association of Blacks in Criminal Justice
- National Broadcasting Society
- National Council of Negro Women
- National Institutes of Science
- National Pan-Hellenic Council
- National Society of Black Student Engineers
- National Society of Minorities in Hospitality
- National Society of Pershing Angels Sorority, Inc.
- National Society of Pershing Rifles Fraternity, Inc.
- National Student Nurses Association
- Norfolk Review (formally The Rhetorician)
- NSU Dance Theatre
- NSU Theatre Company
- Nursing Honor Society
- Nutrition Club (formerly Food Science and Nutrition Club)
- Omega Psi Phi Fraternity, Inc.
- Online Student Organization
- Optical Society of America (NSU Student Chapter)
- Order of Omega
- Organization of International Black Unity
- Phi Alpha Delta Law Fraternity International
- Phi Alpha Theta
- Phi Beta Delta Honor Society for International Scholars
- Phi Beta Lambda
- Phi Alpha Delta Law Fraternity International
- Phi Alpha Theta
- Phi Beta Delta Honor Society for International Scholars
- Phi Beta Lambda
- Phi Beta Sigma Fraternity, Inc.
- Phi Delta Psi Fraternity, Inc.
- Phi Mu Alpha Sinfonia of America, Inc.
- Physical Education and Exercise Science Club
- Physics and Engineering Club
- Pi Gamma Psi Fraternity, Inc.
- Pi Sigma Alpha Honor Society
- Pi Sigma Epsilon Fraternity, Inc. (formerly American Marketing Club)
- Political Science Association
- Pre-Alumni Club
- Pre-Medical Society
- Psi Chi (The International Honor Society in Psychology)
- Psychology Club
- Public Relations Student Society of America
- Resident Hall Association
- SDX
- Senior Class
- Sigma Alpha Iota International Music Fraternity
- Sigma Tau Delta International English Honor Society
- Sister Circle
- Society for the Advancement of Management
- Society of Manufacturing Engineers
- Society of Physics Students
- Society of Women Engineers
- Sociology Club
- Sophomore Class
- Spanish Club

- Spartan Alpha Tau
- Spartan Cavalry
- Spartan Epidemik
- Spartan Generals
- Spartan Legion Marching Band
- Student Activities Board
- Student Affiliate of the American Chemical Society
- Student Ambassadors
- Student Association of Music
- Student Athlete Advisory Committee
- Student Government Association
- Student National Technical Association
- Student Nurse Association
- Student Virginia Education Association
- Students in Free Enterprise
- Students Standing 4 Sickle-Cell
- Students Taking Action Now: Darfur(S.T.A.N.D.)
- Swim Club
- Taekwondo Club
- Tau Beta Sigma National Honor Band Sorority, Inc.
- Technology Education Collegiate Association
- Teacher PREP Student Support Services Program
- Thurgood Marshall Pre-Law Club
- Upsilon Phi Delta Honor Society
- Urban Control Entertainment Crew
- University Dance Theater
- University Players
- Veterans Club
- Virginia 21
- Virginia Family and Consumer Sciences
- Vocational Industrial Clubs of America
- Wesley Westminster Club
- Whitney Young Social Work Club
- World Changers
- Young Democrats
- Young Life Multicultural
- Young Republicans
- Zeta Phi Beta Sorority, Inc

Student Publications

1. Spartan Echo Newspaper
2. Spartan Reflections Yearbook
3. The Intramural Program

The Intramural Program

The Intramural Program at Norfolk State University provides opportunities for students, both male and female, to participate in individual and team sports activities on a regular basis. More specifically, the program promotes:

1. Better health through exercise,
2. Social interaction and the development of friendships,
3. Sportsmanship of the highest order, and
4. Important values developed through team spirit and cooperation.

The list of competitive intramural activities includes tennis, coeducational volleyball, men's and women's basketball, flag football, softball, billiards, recreational swimming, bowling, roller skating, and ice skating. Students who do not ordinarily take part in sports are encouraged to participate in and enjoy some type of physical activity. The skills acquired in the intramural program will encourage future sports participation and healthy habits that will last a lifetime.

Student Government Association

Students are invited to help guide the direction of the University through membership in the Student Government Association (SGA). The purpose of the SGA is to develop a cooperative spirit among students; to promote self-development through personal expression, communication, and leadership; to encourage student initiative; and to act as an intermediary between the administration and students in matters of general welfare.

Decisions rendered by the Student Government Association are subject to the approval of the Executive Council.

Campus Program Disclaimer

University organizations frequently invite speakers and performers to campus. The views and opinions of these guests do not necessarily represent those of the University or the sponsoring organization.

Military Services and Veterans Affairs

Student Services Center, Suite 110
(757) 823-2586

The Office of Military Services and Veterans Affairs (MSVA) provides support and assistance to active duty military, reservists, Veterans and family seeking to complete their education from admission through graduation. MSVA also provides counseling to students using tuition assistance and Department of Veterans Affairs (VA) education benefits. The VA Certifying Official for Norfolk State University assists students with Education Plans and serves as a liaison between the University and the VA, providing information on university procedures and resolving problems regarding eligibility and payment of VA benefits. MSVA also provides information about Virginia State Veterans benefits, including the Virginia Military Survivors and Dependents Education Program.

Each semester, students using VA education benefits must report their enrollment to MSVA by completing the Veterans Enrollment Reporting Form. New students who are planning to use VA benefits must report to MSVA before enrolling. Students using VA benefits must immediately inform MSVA if they add, drop, audit, stop attending, have a class cancelled, withdraw or are withdrawn from class(es) or the University, are unable to attend classes, or make any changes to their enrollment.

Educational assistance is available for U.S. military Veterans and members of the National Guard and Selected Reserve. Dependents of Veterans in certain categories may be eligible for benefits. In all instances, the VA determines eligibility. The VA sends monthly payments directly to the student following verification of enrollment each semester. Receipt of VA benefits may have an impact on levels of federal and state financial aid for which a student may be eligible; therefore inquiries regarding financial aid eligibility should be directed to the Norfolk State University Office of Financial Aid. Norfolk State University is authorized to receive tuition payments for Veterans attending school under the Veterans Readiness and Employment Program. For information on the

program and eligibility requirements, Veterans should contact VA at 1-800-827-1000. The University also accepts tuition waivers under the Virginia Military Survivors and Dependents Education Program.

VA Delayed Payment Compliance Addendum
Norfolk State University adheres to the requirements of 38 USC 3679(e). Norfolk State University will not impose any penalties on students entitled to educational assistance under Chapter 31, Vocational Rehabilitation and Employment, or Chapter 33, Post-9/11 G1 Bill benefits while awaiting payments from the Department of Veterans Affairs (VA).

Norfolk State University will allow covered individuals to attend or participate in their course of education during the period beginning on the date on which the individual provides to the educational institution a certificate of eligibility for entitlement to educational assistance under Chapter 31 or 33 and ending on the earlier of the following dates:

1. The date on which payment from VA is made to the institution.

2. 90 days after the date the institution certified tuition and fees following the receipt of the certificate of eligibility.

Norfolk State University will not impose any penalty, including the assessment of late fees, the denial of access to classes, libraries, or other institutional facilities, or the requirement that a covered individual borrow additional funds, on any covered individual because of the individual's inability to meet his or her financial obligations to the institution due to the delayed disbursement funding from VA under Chapter 31 or 33.

Grievance Policy
The Virginia State Approving Agency (SAA), is the approving authority of education and training programs for Virginia. This office investigates complaints of GI Bill beneficiaries. While most complaints should initially follow the school grievance policy, if the situation cannot be resolved at the school, the beneficiary should contact our office via email saa@dvs.virginia.gov.

Other Services

1. **Active Duty Personnel**
   Norfolk State University is approved for tuition assistance for military members seeking to earn their degree. Each branch of the armed forces offers tuition assistance for voluntary, off-duty education programs. Each branch also has a policy regarding the use of tuition assistance and how to apply. The Military Services and Veterans Office offers assistance to all Active Duty, Reserve and Guard members seeking guidance on tuition assistance. Active duty military member can also contact the Education Services Office for assistance.

2. **Part-Time Employment**
   The University keeps in close contact with local business concerns through which many students are placed in positions which offer remuneration for work experience.

3. **Social Security Benefits**
   Students eligible to receive social security benefits should contact their local Social Security Office for more information.

4. **Social Security Benefits**
   Disabled or handicapped persons may qualify for educational assistance through the Virginia Department of Vocational Rehabilitation. These persons are required by the Department to apply for financial assistance through Norfolk State University.

5. **Veterans Benefits**
   Eligible Students may apply for educational benefits through the Department of **Veterans Affairs.** Dependents of qualified disabled or deceased veterans may qualify for educational benefits. For more information, contact the Military Services and Veterans Affairs Office at (757) 823-2586.

   Additional information about financial aid programs can be secured from the financial aid office at Norfolk State University by visiting NSU's website at www.nsu.edu (http://www.nsu.edu/) and by checking the federal website at studentaid.gov. (https://studentaid.gov/h/apply-for-aid/fafsa/)

6. **Virginia Military Survivors and Dependent Education Program (VMSDEP)**
   The Virginia Military Survivors and Dependents Education Program (VMSDEP) provides education benefits to spouses and children of military service members killed, missing in action, taken prisoner, or who have been rated by the United States Department of Veterans Affairs as totally and permanently disabled or at least 90 percent permanently disabled as a result of military service. Military service includes service in the United States Armed Forces, United States Armed Forces Reserves, or the Virginia National Guard.

The
Virginia Department of Veterans Services is responsible for managing the program and collaborates with the State Council of Higher Education for Virginia (SCHEV) and Virginia's public colleges and universities to assist spouses and children of qualified military service members and Veterans in attaining their educational goals. Benefits are available for up to eight semesters, the equivalent of four academic years.

For information and to apply for VMSDEP, please visit the Virginia Department of Veterans Services (DVS) website at https://www.dvs.virginia.gov/education-employment (https://www.dvs.virginia.gov/education-employment/).

U.S. Code, 38 U.S.C. 3679(c). Veterans Access, Choice, and Accountability Act of 2014

Official School Catalog Addendum

I certify the current policy is true and correct:

The following individuals shall be charged the in-state rate, or otherwise considered a resident, for tuition purposes:

- A veteran using educational assistance under either Chapter 30 (Montgomery G.I. Bill® – Active Duty Program) or Chapter 33 (Post-9/11 G.I. Bill), of Title 38, United States Code, who lives in the Commonwealth of Virginia while attending a school located in the Commonwealth of Virginia (regardless of their formal state of residence).

- Anyone using transferred Post-9/11 GI Bill benefits who lives in the state where the IHL is located, and the transferor is a member of the uniformed service serving on active duty.

- A spouse or child using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (38 U.S.C. § 3311(b)(9) who lives in the Commonwealth of Virginia while attending a school located in the Commonwealth of Virginia (regardless of their formal state of residence).

- A spouse or child using benefits under Survivors' and Dependents' Education Assistance (Chapter 35) living in the Commonwealth of Virginia while attending a school located in the Commonwealth of Virginia (regardless of their formal state of residence).
- An individual using educational assistance under chapter 31, Veteran Readiness and Employment (VR&E) who lives in the Commonwealth of Virginia while attending a school located in the Commonwealth of Virginia (regardless of their formal state of residence).
- Anyone described above remains continuously enrolled (other than during regularly scheduled breaks between courses, semesters, or terms) at the same institution. Therefore, the described person must be enrolled in the institution and use educational benefits under Chapters 30, 31, 33 or 35 of Title 38, United States Code.

GI Bill® is a registered trademark of the U.S Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Webs site at http://www.benefis.va.gov/gibill."

Authorized Official to Make Revisions to the Catalog: Dr. DoVeanna Fulton

Title: Provost and Vice President for Academic Affairs

Division of Finance and Business

Dr. Gerald Hunter
Vice President for Finance and Administration
(757) 823-8011

The Division of Finance and Administration provides leadership for the administration of the institution's fiscal and business services and protects its financial and capital resources. These services include providing leadership for an array of initiatives and services that sustain and enhance the University's living, learning, and working environments for students, faculty, and staff. The Division's priorities and goals are service oriented attitude, operational efficiency and effectiveness, and financial accountability. The institution's commitment to academic excellence and fiscal soundness is reflected in its stewardship of resources, integrity in activities and customer-friendly interactions with constituents.

The Division ensures that the University complies with applicable state and federal requirements and sustains credible fiscal and operational management. The Division's support services include

- Administration;
- Auxiliary Services;
- Bursar;
- Controller;
- Environmental Health, Safety and Risk Management;
- Facilities Management;
- Finance;
- Parking and Transportation Services;
- Procurement Services, and
- University Police.

As the University maintains its credibility as a well-managed, fiscally sound institution of higher education, its goal is to promote greater efficiency and effectiveness in administration, while taking a proactive approach to emerging issues and new challenges.

Bookstore

The Bookstore is a service element owned by Norfolk State University and operated by Barnes and Noble Bookstore. It is located in the New Student Center. The Bookstore provides the University community with the widest possible selection of goods and services at competitive prices, with particular attention being paid to academic requirements.

Facilities Management Department

The Facilities Management Department has four major areas, namely (a) Operations and Maintenance, (b) Capital Planning and Improvements, (c) Administrative Services and (d) Environmental Health, Safety and Risk Management. The area of Operations and Maintenance provides services needed to operate and maintain all university facilities. These services are provided by carpenters, painters, mason plasterers, plumbers, electricians, HVAC mechanics, locksmiths, housekeeping workers, grounds persons, laborers, engineers, administrative, work management center, and supervisory personnel. The Department is also responsible for electrical and other utilities distribution. In addition to operating and maintaining the facility plant, the department provides labor services such as sound setups and moving and hauling for the entire university community.

The area of Capital Planning and Improvements provides services for space utilization, design, planning, bidding, and contracting services for capital outlay projects and minor renovations and alterations to existing facilities.

The area of Administrative Services provides financial, budgeting, and administrative services to the operating units within facilities. Services provided include budget, finance, payroll, postal services, inventory control, property disposal, receiving, warehousing, billing, payment of all utility and vendor invoices, construction contract administration, and funding for all new planning and construction projects.

The area of Environmental Health, Safety and Risk Management provides oversight to mandated programs; provides safety consultations to faculty and staff, and conducts training, incident investigations; monitors and coordinates evaluations for fire safety systems; manages liability and property damage claims; appraises and issues certificates of insurance coverage; coordinates hazardous waste storage and disposal. This area also designs and assesses response procedures for emergency situations.

Dining Services

NSU Dining Services prepares home-style cooked meals for meal plan participants and customers. Meals are served at Scott Dozier Dining Hall and West Dining Hall, which are conveniently located for students. Traditional meals are also served in the Faculty Dining Hall located adjacent to Scott Dozier Hall. All facilities are operated by Thompson Hospitality/Compass Group.

NSU Dining Services offers branded retail outlets such as Pizza Hut, Freshens, Origins, Coyote Jacks Grill, and Chick-fil-A. These retail dining areas are conveniently located on campus. The Spartan Station Food Court located at the Student Service Center provides specialty fast food and beverages for staff and students. NSU Dining Services also sponsors two Campus C-Stores to meet the needs of staff and students. There is an Outtakes Kiosk located in Wilson Hall Administration Building.

Catering services also are provided by NSU Dining Services. It is committed to accommodating customers and students with quality products and to providing incomparable service.

Inclement Weather

Decisions to close the University due to inclement weather will be made by the Vice President for Finance and Business in consultation with the President and other vice presidents. The decision to close Norfolk State University will be communicated by the Acting Executive Director of Communications and Marketing via the area's media outlets.

During times of inclement weather (e.g., hurricanes, tornadoes, etc.) employees and students may obtain information regarding NSU closing and cancellation of classes from the following:

Radio Stations	Television Stations
WNSB FM 91.1	WTKR TV 3
WOWI FM 102.9	WAVY TV 10
WJCD FM 105.3	WVEC TV 13
WHRV FM 89.5	WVBT TV 43

For more information on this policy, please call:

- Office of Communications and Marketing at (757) 823- 8373,
- Office of Finance and Business at (757) 823-8011,

- Office of Risk Management at (757) 823-9142,
- Switchboard at (757) 823-8600 or
- SpartanLine at (757) 823-2600.

Postal Services

The Postal Service provides University faculty, staff, and students with quality services when processing official campus and off-campus mail, and provides postage meter service for the University community at the prevailing governmental rates for all classes of mail. Proper mail handling instructions and assistance to University faculty, staff and students are also provided.

University Police Department

Norfolk State University Police Department has primary responsibility for security on campus. The Norfolk State University Police Department's mission is "to promote and maintain personal safety and physical and environmental security." The department's efforts include preventive measures through education and enforcement and to promote awareness of individual responsibility in safety and crime prevention. Norfolk State University Police Officers are sworn officers empowered and mandated to enforce federal, state, and local laws.

Norfolk State University Police Department's security policies and procedures comply with law enforcement regulations as established by the Commonwealth of Virginia and the Department of Criminal Justice Services.

CONTACT CAMPUS POLICE
Incidents may be reported in person or anonymous by dialing the following phone numbers:
Non-Emergency: 757-823-8102
Emergency: 757-823-9000
Anonymous: 757-823-2148

Division of University Advancement

Mr. Clifford Porter
Vice President for University Advancement
(757) 823-8323

The purpose of the Division of University Advancement is to advance the University's mission by:

- involving constituents and stakeholders in the life of the University;
- informing constituents of University achievements, priorities, opportunities and challenges;
- researching, identifying, cultivating, and securing support and financial investments in the University;
- being good stewards of the institution's relationships and resources; and
- promoting and enhancing the University's stature and image.

The above mission is accomplished through the planning and execution of various programs that promote voluntary support for the University and ongoing liaisons with governmental agencies, foundations, business and industry, alumni and others that provide funds and resources to the University. Specific initiatives to actualize the division's goals are coordinated through the functional areas of alumni relations, development, event planning, and the L. Douglas Wilder Performing Arts Center. The NSU Foundation, Inc. is a separate entity that also advances and supports the University's mission by soliciting, receiving, investing, and administering gift resources for the University. Many need-based scholarships are administered through the NSU Foundation.

Division of Operations and Institutional Effectiveness

Dr. Justin L. Moses
Vice-President for Operations & Chief Strategist for Institutional Effectiveness
(757) 823-2452

The Division of Operations and Institutional Effectiveness, through its eight departments, ensures the quality and effectiveness of NSU's internal infrastructure and enrollment functions. The division is comprised of eight functional administrative areas that provide enrollment guidance, communication, and technological support to incoming students, faculty and staff. The departments that comprise the Division of Operations and Institutional Effectiveness include the following:

ENROLLMENT MANAGEMENT (https://www.nsu.edu/enrollment-management/)

The Enrollment Management Office at Norfolk State University provides the highest standards of excellence in enrollment planning by actively identifying, recruiting, and enrolling academically qualified students.

HUMAN RESOURCES (https://www.nsu.edu/human-resources/)

The Office of Human Resources functions as a value-added business partner to faculty and staff in acquiring, cultivating, and retaining diverse talent to facilitate institutional sustainability and excellence in academic and administrative operations, research, and community engagement.

INFORMATION SECURITY OFFICE (https://www.nsu.edu/oit/staff/)

The Information Security Office (ISO) is committed to strengthening Norfolk State University's comprehensive cyber security posture by advancing University-wide governance to increase information technology (IT) security and reduce risk.

INSTITUTIONAL RESEARCH (https://www.nsu.edu/factbook/)

The Office of Institutional Research provides data and analysis to support continuous improvement and informed decision-making at the University.

OFFICE OF INFORMATION TECHNOLOGY (https://www.nsu.edu/oit/)

The Office of Information Technology (OIT) enables student, faculty, and staff success by providing high-quality services and support through its management of University information technology resources.

OFFICE OF INSTITUTIONAL EQUITY (https://www.nsu.edu/Office-of-Institutional-Equity/)

The Office of Institutional Equity (TOIE) serves as a critical leader, resource, and support in helping to lead inclusion efforts across campus through accountability, compliance and diversity and inclusion.

SCHOOL OF EDUCATION

Dr. Denelle Wallace, Dean
dlwallace@nsu.edu
(757) 823-8701

Dr. Cynthia Nicholson, Associate Dean
csnicholson@nsu.edu
(757) 823-2325

> "Preparing competent, compassionate, collaborative, and committed leaders."

The School of Education is responsible for providing leadership, coordination, and evaluation of all teacher education programs at the University. Its central purpose is to provide pre-service and in-service educational programs to prospective teachers, in-service teachers, administrators, and others engaged in educational activities in schools and other agencies. Corollary purposes are as follows:

1. To contribute to the knowledge base in the field of educational theory and practice in a multi-cultural, multi-lingual, multi-racial world.
2. To provide leadership in involving public schools, universities, and communities in collaborative educational efforts.
3. To provide service to other agencies engaged in education in such a manner to promote the realization of equal educational opportunity and equal educational results for all children.

Conceptual Framework

The conceptual framework adopted by Norfolk State University's professional education programs describes the vision and purpose of the School of Education to prepare educators to work in PreK-12 schools. Consistent with the institution's mission, its focus is to prepare competent, compassionate, collaborative, and committed leaders capable of meeting the diverse needs of all learners. Supported by a strong knowledge base, the conceptual framework provides a system for ensuring coherence and a well-articulated professional commitment to knowledge, teaching competence, leadership, and student learning. This is reflected in the curriculum, instruction, and clinical experiences provided to develop the knowledge, skills, and dispositions that are valued in teachers and other professional school personnel.

Accreditation

All of the teacher education programs leading to certification and licensure sponsored by the School of Education have been approved by the Virginia Department of Education and have been accredited by the Council for Accreditation of Educator Programs (CAEP). These programs are designed to prepare teachers, counselors, and administrators to meet the requirements for the Commonwealth of Virginia.

Organization of School

The courses of instruction offered by the School of Education are organized into departments that sponsor a wide array of specialization possibilities for students. The departments, centers, and laboratories are as follows:

- Department of Early Childhood, Elementary and Special Education
- Department of Health, Physical Education and Exercise Science
- Department of Secondary Education and School Leadership
- The H.H. Bozeman Resource Center
- The Office of Clinical Experiences and Student Services
- The Center for Health Disparities
- The Praxis Instructional Laboratory

The licensure and degree requirements for all programs offered by the School of Education may be revised due to the Virginia Department of Education's regulations, Norfolk State University requirements, or regional and national accreditation standards. Department heads and faculty advisors will inform students of the most current information due to changes from any of the agencies which may be different than the information in this catalog.

School of Education Departments

Department of Early Childhood/Elementary Education and Special Education

The Early Childhood/Elementary and Special Education Department (EESE) provides undergraduate and graduate programs for students seeking preparation to work with young children in the community, agencies, and P-12 school settings. The goal of the teacher education programs is to prepare competent, compassionate, collaborative, and committed leaders. The teacher education programs are approved by the Virginia Department of Education and accredited by the Council for the Accreditation of Educator Preparation (CAEP). The early childhood, elementary, and special education programs provide instruction, field experiences, and clinical practices that develop excellence in teaching and skills to serve diversified populations.

Department of Secondary Education and School Leadership

The Department of Secondary Education and School Leadership (SESL) offers multi-dimensional Urban Education degree programs and teacher education to assist in-service and pre-service school practitioners interested in acquiring state endorsements and enhancing their professional development. Programs offered in SESL under the Urban Education degree include Administration and Supervision P-12, Mental Health Counseling, Professional School Counseling, and Curriculum Development and Supervision (currently under revision and not accepting students). SESL also awards the Master of Arts in Teaching for Secondary Education and advanced teaching degrees in specific content areas.

Degree Programs

- Early Childhood, Elementary and Special Education (p. 36)
  - Special Education, M.A. (p. 37)
  - Teaching, M.A. - Elementary Education - PreK-6 - Online (p. 39)
- Secondary Education and School Leadership (p. 40)
  - Teaching, M.A. - Secondary Education (p. 41)
  - Urban Education, M.A. (p. 43)

Early Childhood, Elementary and Special Education

Kianga Thomas, Ed.D., Department Chair
(757) 823-2700
krthomas@nsu.edu

M.A. in Special Education

The graduate program in Special Education leading to the Master of Arts Degree provides highly specialized academic and professional training for persons working in special education and related areas.

M.A. in Teaching (Elementary Education, PK-6)

The Master of Arts in Teaching Elementary program is designed to prepare individuals to teach in an elementary school setting. The program is a career path in which students enrolled will focus on subjects (e.g., mathematics, science, social studies and language arts) to be taught to students in grades pre-kindergarten through five or six (depending on school district/division). Students will be provided with pedagogical knowledge, skills and dispositions to effectively plan instructional activities to support learning for all school-age children. Curricula will incorporate school policy, child development courses along with coursework towards global awareness, instructional technology, planning and assessment and working with at-risk children. In addition, the graduate of this program will receive a Commonwealth of Virginia professional teaching license and will be eligible to teach in public elementary schools in Virginia.

Early Childhood, Elementary and Special Education Programs

- Special Education, M.A. (p. 37)
- Teaching, M.A. - Elementary Education - PreK-6 - Online (p. 39)

Special Education, M.A.

The graduate program in Special Education leading to the Master of Arts Degree provides highly specialized academic and professional training for persons working in special education and related areas. Enrollees in these programs gain specific knowledge and techniques related to the education and welfare of a segment of the population that experiences disabilities due to clinical/medical conditions. This program requires a minimum of thirty-nine (39) credit hours for completion. Its design is to enhance knowledge, skills and performance in accordance with current "best practices" in the treatment of the total individual with disabilities.

The Special Education program offers three course sequences:

1. Teacher Licensure a. General K-12 b. Severe Disabilities - Adapted curriculum for students with severe disabilities to increase access to the general curriculum
2. Rehabilitation Counseling
3. Severe Disabilities/Non-Teaching - primarily for those who do not need teacher licensure but seek an advanced degree in special education

Completion of the teacher licensure results in credentialing to teach individuals with mild to severe disabilities in grades K-12. The rehabilitation counseling sequence prepares persons to work as rehabilitation counselors. The Severe Disabilities/Non-Teaching sequence is open to professionals from any discipline who wish to increase their competence in serving individuals with disabilities in community agencies or organizations. The program equips individuals with skills necessary to serve in leadership roles in identification, assessment, curriculum development/modifications, instructional strategies, rehabilitation, case management, and policy making on local, state and national levels for disabled persons. After completing this program, graduates will assume specific positions such as instructional leaders, programmers, diagnosticians, data collectors/evaluators, hospital teachers, special /collaborative classroom teachers, case managers/ service coordinators, and rehabilitation counselors.

ADMISSIONS

Admission criteria to the Master of Arts Degree Program in Pre-Elementary Education are in accordance with the Graduate Council of Norfolk State University and the Admissions Committee of the School of Education. The criteria for admission are as follows:

Regular Status

1. A baccalaureate degree from an accredited college or university. A foreign student should possess equivalent credentials as documented on an evaluated transcript.
2. A minimum overall undergraduate grade point average (GPA) of 2.75 or higher on a four (4) point scale.

A complete application file will include the following:

1. Application to Norfolk State University
2. Non-refundable application fee.
3. Official transcripts from all institutions of higher education attended. (Unofficial transcripts may be submitted for application review. Official transcripts are required if admitted prior to enrollment).
4. A personal statement regarding professional goals.
5. Three (3) recent letters of recommendation (e.g. supervisor, former professor, and advisor) dated within the last year.

FOR LICENSURE PROGRAMS ONLY:

1. Bachelor's degree (Liberal Arts) from a nationally accredited institution of higher learning. Students with a non-Liberal Arts degree may be required to take additional coursework.
2. Passing scores on the Virginia Communication and Literacy Assessment (https://www.va.nesinc.com/) (VCLA: Total score of 470 or higher).

FOR THE SEVERE DISABILITIES ADAPTED CURRICULUM K-12 LICENSURE ONLY:

Pre-requisite required courses include SPE 512 Foundations of Special Education: Legal and Ethical Aspects of Educating Exceptional Learners **and** EDU 605 Human Growth and Development. Courses or equivalent may be taken at the undergraduate level or taken concurrently upon admission. If taken concurrently, these courses do not count towards degree requirements.

All application materials should be received by May 1 for priority consideration in the fall, and by November 1 for priority consideration in the spring. Candidates for admission may be requested to come to the school for a personal interview. Also, an applicant may request an interview.

Non-Degree Status

A person with a baccalaureate degree, seeking to take particular courses but not working toward a graduate degree may be granted such permission. These courses may be taken for credit or on a non-credit basis.

A person seeking admission to the degree program but who does not meet all requirements for regular admission may be admitted in a non-degree status. Non-degree students may be allowed to take up to nine (9) credit hours of course work and must earn a grade point average of 3.0 or better after which the student may petition the Committee to have his/her status changed to regular admission.

Transfer Credits

Generally, a maximum of six (6) credit hours of credit of graduate work earned at another accredited institution may be accepted as transfer credit, provided the conditions of the Graduate Council are met. However, decisions regarding the transfer credit will be made by the Graduate Program Coordinator with the approval of the department head, the Graduate School.

General Curriculum K-12 (licensure)

Prepares candidates for licensure to provide educational services to individuals with special needs who are served in general education environments from kindergarten through 12th grade.

Summary of Graduation Requirements

Subject Area	Credits
Major Requirements	27
Electives	6
Other Requirements	6
Total Credit Hours	**39**

Sample Curriculum

Code	Title	Credits
First Mini-Term		
EDU 605	Human Growth and Development	3
SPE 512	Foundations of Special Education: Legal and Ethical Aspects of Educating Exceptional Learners	3
Second Mini-Term		
EDU 501	Foundations of Education (Second Mini-Term)	3
UED 692	Research Methods	3
Third Mini-Term		
SPE 516	Managing Human Behaviors (Third Mini-Term) **	3
SPE 613	Assessment and Evaluation in Ecc **	3
Fourth Mini-Term		
SPE 523	Attirubutes and Medical Conditions Assoicated With Disabilities	3
EED 500G	Language and Developmental Reading in (Third Mini-Term) **	3
Fifth Mini-Term		
SPE 542	Reading and Literacy Instruction for Exceptional Learners **	3
SPE 545	Collaboration, Inclusion, Transition and Other Curriculum Adjustments **	3
Sixth Mini-Term		
SPE 534	Nat/Strtgs Tching Lrnrs-ED	3
SPE 532	Curriculum & Instructional Procedures for Teaching Students With Mild Disabilities **	3
Seventh and Eight Mini-Terms		
SPE 699	Internship in Teaching Students With Mild Disabilities	3
Total Credits		**39**

** Course consists of a 20-hour observation participation field experience in a school.
Students must pass the Reading for Virginia Educators (RVE) Assessment and VCLA to apply for student teaching.

Severe Disabilities Adapted Curriculum K-12 (Licensure)

Prepares candidates for licensure to provide educational services to individuals with severe disabilities and autism from kindergarten through 12th grade. Courses in this concentration are offered through distance learning by the Virginia Consortium for Teacher Preparation in Severe Disabilities and Autism which may provide tuition assistance to qualified applicants.

Summary of Graduation Requirements

Subject Area	Credits
Major Requirements	33
Other Requirements	6
Total Credit Hours	**39**

Curriculum

Code	Title	Credits
NSU Courses		
UED 637	Curriculum Development and Technology	3
UED 691	Research/Writing	3
Consortium Courses		
SPE 516A	Managing Human Behavior-Adapted (Adapted)	3
SPE 542A	Reading and Literacy Instruction for Exceptional Learners (Adapted)	3
SPE 523A	Attirubutes and Medical Conditions Assoicated With Disabilities-Adapted (Adapted)	3
SPE 613A	Assessment and Evaluation-Adapted (Adapted)	3
SPE 641A	Physical and Occupational Therapy Procedures-Adapted (Adapted)	3
SPE 538A	Nature of and Strategies for Teaching Individuals With Severe Disabilities (Adapted)	3
SPE 540A	Collaboration Procedures-Adapted (Adapted)	3
SPE 545A	Transition Procedures-Adapted (Adapted)	3
SPE 643A	Communication Development for Individuals With Severe Disabilites (Adapted)	3
Internship		
SPE 699A	Internship: Special Education (Adapted)	6
Total Credits		**39**

Rehabilitation Counseling

Summary of Graduation Requirements

Subject Area	Credits
Core Courses	30
Internship	6
Total Credit Hours	**36**

Curriculum

Code	Title	Credits
Core Courses		
SPE 512	Foundations of Special Education: Legal and Ethical Aspects of Educating Exceptional Learners	3
SPE 613	Assessment and Evaluation in Ecc Requires a 20-hour observation-participation field experience.	3
SPE 516	Managing Human Behaviors	3
SPE 523	Attirubutes and Medical Conditions Assoicated With Disabilities	3
SPE 641	Physical and Occupational Therapy	3
SPE 662	Guidance and Counseling	3
SPE 663	Case Work and Rehabilitation Counseling	3
SPE 665	Rehabilitation Counseling: Occupational Information and Placement	3
UED 622	Counseling Theory and Psychotherapy	3
UED 691	Research/Writing	3
Internship		
SPE 699E	Internship in Rehabilitaiton Counseling	6
Total Credits		**36**

Teaching, M.A. - Elementary Education - PreK-6 - Online

Description

The Masters of Arts in Teaching Elementary Online program is designed to prepare individuals to teach in an elementary school setting. The program is a career path in which students enrolled will focus on subjects (e.g., mathematics, science, social studies, and language arts) to be taught to students in grades pre-kindergarten through six (depending on school district/division). Students will be provided with pedagogical knowledge, skills, and dispositions to effectively plan instructional activities to support learning for all school-age children. Curricula will incorporate school policy, child development courses along with coursework towards global awareness, instructional technology, planning and assessment, and working with at-risk children. In addition, the graduate of this program will receive a Commonwealth of Virginia professional teaching license and will be eligible to teach in public elementary schools in Virginia.

The program provides comprehensive course offerings that align with requirements set forth by the Council for the Accreditation of Educator Preparation (CAEP), Interstate New Teacher Assessment and Support Consortium (InTASC), and the Virginia Department of Education (VDOE) standards.

ADMISSIONS

Admission criteria to the Master of Arts Degree Program in Elementary Education (Pk-6) are in accordance with the Graduate Council of Norfolk State University and the Admissions Committee of the School of Education. The criteria for admission are as follows:

Regular Status

1. A baccalaureate degree from a regionally accredited college or university. A foreign student should possess equivalent credentials as documented on an evaluated transcript.
2. A minimum overall undergraduate grade point average (GPA) of 2.75 or higher on a four (4) point scale.

A complete application file will include the following:

1. Application to Norfolk State University
2. Non-refundable application fee.
3. Bachelor's degree (Liberal Arts) from a nationally accredited institution of higher learning. Students with non-Liberal Arts degree may be required to take additional coursework.
4. Passing score of 450 or higher (reading and writing) on the Virginia Communications and Literacy Assessment (VCLA).
5. Three (3) recent letters of recommendation (e.g. supervisor, former professor, and advisor) dated within the last year.
6. Official transcripts from all institutions of higher education attended (unofficial transcripts can be accepted for review purposes).
7. Personal Statement regarding professional goals.
8. Resume (updated)

All application materials should be received by May 1 for consideration in the fall, and by November 1 for consideration in the spring. Candidates for admission may be requested to come to the school for a personal interview. Also, an applicant may request an interview.

Non-Degree Status

A person with a baccalaureate degree, seeking to take particular courses but not working toward a graduate degree may be granted such permission to take up to nine (9) credit hours. These courses may be taken for credit or on a non-credit basis.

A person seeking admission to the degree program but who does not meet all requirements for regular admission may be admitted in a non-degree status. Non-degree students may be allowed to take up to nine (9) credit hours of course work and must earn a grade point average of 3.0 or better after which the student may petition the Committee to have his/her status changed to regular admission.

Transfer Credits

Generally, a maximum of six (6) credit hours of credit of graduate work earned at another accredited institution may be accepted as transfer credit, provided the conditions of the Graduate Council are met. However, decisions regarding the transfer credit will be made by the Graduate Program Coordinator with the approval of the department head, the Graduate School.

Summary of Graduation Requirements

Subject Area	Credits
Core Courses	30
Practicum	9
Total Credit Hours	**39**

Curriculum

Course	Title	Credits
First Year		
EDU 605	Human Growth and Development	3
EED 500G	Language and Developmental Reading	3
EED 501	Diagnostic Reading	3
EDU 501	Foundations of Education	3
EED 503	Teaching and Learning in the Pre K-3	3
EED 603	Teaching and Learning in the Pre-K-3	3
	Credits	**18**
Second Year		
EED 601	Methods and Materials for Teaching Math	3
EDU 636	Classroom and Behavior Management	3
EED 500	Teaching Social Studies in Elem Schools	3
UED 691	Research/Writing	3
EED 696C	Practicum	9
	Credits	**21**
	Total Credits	**39**

Secondary Education and School Leadership

Dr. Melendez Byrd
Department Chair
(757) 823-2926
mobyrd@nsu.edu

The Department of Secondary Education and School Leadership (SESL) offers multi-dimensional programs in urban education and teacher preparation. The focus is to offer in-service and pre-service practitioners an opportunity to acquire state endorsements and licensure while enhancing their professional development. The programs offered in the SESL Department include:

Master of Arts (MA) in Urban Education with concentrations in:

1. Professional School Counseling
2. Mental Health Counseling
3. Principal Preparation Pre-K-12 (Accelerated Online Program)
4. Curriculum Development and Supervision (currently under revision and not accepting applications)
5. Advanced Teacher Education in Subject Area Concentrations for those who hold a teacher's license of certification in a content area

Master of Arts in Teaching (MAT) with concentrations in:

1. Biology
2. Chemistry
3. English
4. History
5. Mathematics

The Department historically has focused its attention principally on those educational issues germane to the urban experience. The intention is to provide students with the types of broad-based learning experiences that engender standards of excellence and equity as preparation for leadership in urban educational settings. The Department is committed to infusing technology and diversity throughout all its programs. The goal is to prepare competent, compassionate, collaborative, and committed leaders capable of meeting the diverse needs of all learners.

All programs are approved by the Virginia Department of Education and the Council for the Accreditation of Educator Preparation.

Secondary Education and School Leadership Programs

- Teaching, M.A. - Secondary Education (p. 41)
- Urban Education, M.A. (p. 43)

Teaching, M.A. - Secondary Education

Dr. Cynthia Nicholson, Graduate Program Coordinator
csnicholson@nsu.edu
(757) 823-2325

The Master of Arts in Teaching is a (39) thirty-nine credit hour initial teacher certification program that enables its candidates to receive a Master's degree and certification in a content area and become qualified to teach in the Commonwealth of Virginia.

Candidates must pass the VCLA (Virginia Communication and Literacy Assessment) and related state required licensure exams before the program is completed. Candidates must have a baccalaureate degree in a liberal arts discipline or one of the certified teaching areas:

- Biology
- Chemistry
- English
- Fine Arts
- History
- Mathematics
- Music
- Physics

The application will be reviewed by an admissions committee within the Department of Secondary Education and School Leadership.

For information on the subject-specific courses needed to complete the program, applicants should consult with the graduate program coordinator for the MAT program.

Summary of Graduation Requirements

Subject Area	Credits
Core Courses	27
Subject Area Courses	12
Total Credit Hours	**39**

Core courses

Code	Title	Credits
UED 505	Reading in the Content Area	3
UED 599	Teaching Internshp	9
UED 684	Curriculum and Instructional Procedures in Mathematics (UED 685, UED 686, UED 687, UED 690 can be used also)	3
UED 691	Research/Writing	3
EDU 501	Foundations of Education	3
EDU 605	Human Growth and Development	3
EDU 636	Classroom and Behavior Management	3
Total Credits		**27**

M.A.T. - Biology

Code	Title	Credits
BIO 501	History of Biological Concepts	3
BIO 502	Modern Biology	3
BIO 510	Experience Biology	3
BIO 520	Special Problems in Biology	3
Total Credits		**12**

M.A.T. - Chemistry

Code	Title	Credits
CHM 521	Chemical Demonstration	3
CHM 531	Biochemistry	3
CHM 532	Biochemistry	3
CHM 581	Special Topics	3
Total Credits		**12**

M.A.T. - English

Code	Title	Credits
ENG 519	Contemporary American English Grammer	3
ENG 560	Assessment and Evaluation of Writing	3
ENG 654	Professional Writing	3
ENG 648	Language and Culture	3
Total Credits		**12**

M.A.T. - Fine Arts

Code	Title	Credits
FIA 513	Computer Graphics	3
FIA 514	Fine Arts Methods	3
FIA 515	Fine Arts Units	3
FIA 599	Graduate Seminar Art Education	3
Total Credits		**12**

M.A.T. - History

Code	Title	Credits
HIS 501	Topics in Us History	3
HIS 502	Topics in european History	3
HIS 503	Topics in Non-Western History	3
HIS 516	America and the Rise of a City	3
Total Credits		**12**

M.A.T. - Mathematics

Code	Title	Credits
MTH 511	Adv Topics in Geom	3
MTH 520	Mathematical logical and Set theory	3
MTH 531	Topics in algebra	3
MTH 540	Mathematical Model and Application	3
Total Credits		**12**

M.A.T. - Music

Code	Title	Credits
MUS 650	Choral Techniques	3
or MUS 651	Band Management	
MUS 680	History and Philosophy of Music Education	3
MUS 681	Current Trends in Music Education	3

MUS 682	Administration and Supervision in Music Education	3
Total Credits		**12**

M.A.T. - Physics

Code	Title	Credits
PHY 565	Physical Mechanics	3
PHY 566	Electricicity and Magnetism	3
PHY 590	Physics Demonstration	3
PHY 591	Experimental Concepts in Physics	3
Total Credits		**12**

Urban Education, M.A.

Principal Preparation Pre-K-12

Dr. Denelle Wallace, Program Coordinator
dlwallace@nsu.edu
757-823-8590

The Principal Preparation program is designed to prepare the candidate to be an effective school administrator. Candidates must have at least three years of certified teaching experience. They must submit three evaluation forms in which one must be from the appropriate school leader, documenting the applicant's ability and potential to be an effective principal or assistant principal. Applicants already holding a master's degree may receive the endorsement without pursuing the research option or the pre-requisite research course. However, they will need to complete all other courses. The program is offers courses in theory, practice, and research with a primary goal to prepare students to become competent, compassionate, collaborative, and committed leaders in urban environments. All individuals will be required to take the School Leaders Licensure Assessment (SLLA), a requirement in Virginia.

Prerequisites:

Certification as a Teacher and 3 years of teaching experience

This program is offered as an accelerated online program designed to be completed in 18 - 24 months.

Mental Health Counseling (Naval Base Program)

Dr. Keesha Kerns, Graduate Program Coordinator
kmkerns@nsu.edu
(757) 823-8036 or (757) 489-8516

Norfolk State University's Mental Health Counseling Program is designed to train and prepare candidates who plan to pursue careers in community agencies (i.e. community services boards, social service boards, penal institutions, rehabilitation facilities, court services, public/private community agencies). The coursework offered in this degree program will prepare candidates to meet the minimum requirements for national and state licensure. The Master of Arts degree program requires 60 semester hours of academic credit that requires a 100 hour practicum and includes a 600 hour internship experience.

Professional School Counseling

Dr. Keesha Kerns, Graduate Program Coordinator
(757) 823-8036
kmkerns@nsu.edu

Norfolk State University's School Counseling Program is designed to prepare candidates in the specialty of professional school counseling. The school counseling courses cover the common core areas of

1. professional counseling orientation and ethical practice,
2. social and cultural diversity,
3. human growth and development,
4. career development,
5. counseling and helping relationships,
6. group counseling and group work,
7. assessment and testing, and
8. research and program evaluation which represents knowledge areas that are fundamental to the counseling profession and essential for candidates seeking careers in school counseling and related educational settings at the elementary, middle, and high school levels.

The Master of Arts degree program requires 60 semester hours of academic credit (no more than 6 credit hours may be transferred from another university) and includes a 600-hour internship experience.

MA in Urban Education in Subject Area Concentrations

Dr. Cynthia Nicholson, Program Coordinator
csnicholson@nsu.edu
757-823-2325

The Master of Arts in Urban Education in subject area concentration is a (36) thirty-six credit hour degree program that serves the needs and interests of teachers in Science, Technology, Engineering, the Arts, and Mathematics (STEAM). This degree program is designed to allow teachers to meet Virginia recertification guidelines in the current content area while earning an advanced degree. Ideal for working educators, this graduate degree program offers 7-week coursework that is totally online.

Candidates will be required to take (15) fifteen graduate credit hours of professional education courses and graduate credit hours in their respective subject concentration area.

For more information regarding the subject-specific courses, applicants should consult with the coordinator or call the office of Secondary Education and School Leadership for a curriculum sheet. The number for that office is (757) 823-2926.

ACADEMIC STANDARDS

SESL Academic Good Standing Requirements

The student is responsible for knowing the academic standards of his/her academic unit and of the School of Graduate Studies and Research. Graduate students must maintain a cumulative grade point average of 3.0 on a 4.0 point scale and make satisfactory progress towards degree completion to remain in good academic standing. The Secondary Education and School Leadership Student Handbook states that more than two (2) grades of "B-" are permitted in a student's academic program. A grade of "B-" or below is interpreted as a failing grade and a student will be required to repeat the course.

Students must:

1. Maintain a cumulative 3.0 GPA;
2. Repeat any required course that they receive a "B-".
3. Students obtaining three (3) grades below a "B-" will be reviewed for academic fit for the program. The outcome of the review will determine continuation in the program.
4. Students obtaining two (2) or more incomplete grades ("I"s) will be prohibited from enrolling in courses until the incomplete grades have been removed.

SESL Exit Requirements

Students must:

1. Successfully complete course of study;
2. Have a minimum 3.0 GPA.

Admissions

Requirements

For admission to any of the degree or non-degree-seeking programs in the Department of Secondary Education and School Leadership, each applicant should apply online at www.nsu.edu (http://www.nsu.edu) and include the following:

1. Graduate application
2. An official transcript for each regionally accredited college or university attended
3. Three letters of recommendation, one of which must be from a current principal.
4. An active teaching license (**only for Teacher Education in Subject Area Concentration, Principal Preparation and Curriculum Development and Supervision Program candidates).**
5. Three (3) years of teaching experience (**only for Principal Preparation and Curriculum Development and Supervision Program candidates).**
6. A personal statement.
7. An interview is required for applicants to the Mental Health and School Counseling concentrations.
8. All candidates must have a baccalaureate degree from an accredited college or university.
9. A minimum grade point average (GPA) of 2.75 for the last 60 credit hours of undergraduate work and a cumulative GPA between 2.50 – 3.0 (depending on the degree sought)
10. A non-refundable application processing fee.

Transfer Credit

Students who are admitted with prior graduate study may transfer a maximum of six credit hours or the equivalent in quarter credit hours. Those courses submitted for transfer must have a grade of "B" (3.0) or better, must have similar course descriptions as those offered in the curriculum, and must be no more than four years old. Students wishing to receive transfer credits must do so within the first semester following acceptance. Requests submitted after the first semester may not be accepted.

Background Verification

If admitted, a current criminal background check is required. Please understand that you may have difficulty receiving an additional endorsement to your education license in the Commonwealth of Virginia if you have been convicted of any felony. If anytime during the duration of your graduate program you receive a criminal charge or proceedings pending against you, you must notify your advisor and the department chair immediately.

Mental Health Counseling (Naval Base Program) - Concentration

Code	Title	Credits
Common Counseling Courses		
UED 606	Multicultural Concepts and Perspectives	3
COED 612	Counseling for Human Growth & Lifespan	3
COED 620	Legal and Ethical Issues in Counseling	3
COED 622	Counseling Theory and Psychotherapy	3
COED 623	Counseling Techniques and Skills	3
COED 632	Group Counseling and Human Relationships	3
COED 640	Family Systems	3
COED 644	Addiction Counseling	3
COED 645	Testing & Assessment in Community/School	3
COED 650	Diagnosis and Treatment	3
COED 677	Career Development/ Counseling	3
COED 680	Introduction to Counseling Supervision	3
UED 692	Research Methods	3
COED 700	Psychopathology	3
UED 720	Crisis and Trauma Intervention	3
Mental Health Counseling Core Courses		
COED 631C	Introduction to Professional Counseling	3
COED 630C	Community and Agency Counseling	3
COED 710C	Counseling Practicum	3
UED 793C	Internship I	3
UED 794C	Internship II	3
Total Credits		**60**

Professional School Counseling P-12 Curriculum - Concentration

Code	Title	Credits
Common Counseling Courses		
UED 606	Multicultural Concepts and Perspectives	3
UED 692	Research Methods	3
COED 612	Counseling for Human Growth & Lifespan	3
COED 620	Legal and Ethical Issues in Counseling	3
COED 622	Counseling Theory and Psychotherapy	3
COED 623	Counseling Techniques and Skills	3
COED 632	Group Counseling and Human Relationships	3
COED 640	Family Systems	3
COED 644	Addiction Counseling	3
COED 645	Testing & Assessment in Community/School	3
COED 650	Diagnosis and Treatment	3
COED 677	Career Development/ Counseling	3
COED 680	Introduction to Counseling Supervision	3
COED 700	Psychopathology	3
UED 720	Crisis and Trauma Intervention	3
Professional School Counseling Core Courses		
COED 621	Principles of Counseling	3
COED 638	School Counselor Classroom Management	3
COED 710C	Counseling Practicum	3
UED 793	Internship	3
UED 794	Internship II	3
Total Credits		**60**

Principal Preparation P-12 - Concentration
(Offered as an Accelerated Online Program Only)

Summary of Graduation Requirements

Subject Area	Credits
Core Courses	33
Internship	6
Total Credit Hours	**39**

Curriculum

Code	Title	Credits
Core Courses		
UED 600	Introduction to Administration and Leadership	3
UED 606	Multicultural Concepts and Perspectives	3
UED 626	Program Evaluation and Development	3
UED 630	School and Community Relations	3
UED 637	Curriculum Development and Technology	3
UED 641	Supervision and Evaluation of Instruction	3
UED 670	School Law	3
UED 671	School Finance	3
UED 681	Pesonnel Management and Staff Development	3
UED 692	Research Methods	3
UED 720	Crisis and Trauma Intervention	3
Internship		
UED 793	Internship SLLA Exam must be passed prior to internship.	3
UED 794	Internship II	3

Advanced Teach Preparation - Subject Area Concentrations Summary of Graduation Requirements

Subject Area	Credits
Core Courses	21
Subject Area Courses	15
Total Credit Hours	**36**

Core Courses

Code	Title	Credits
SPE 512	Foundations of Special Education: Legal and Ethical Aspects of Educating Exceptional Learners	3
UED 600	Introduction to Administration and Leadership	3
UED 606	Multicultural Concepts and Perspectives	3
UED 670	School Law	3
UED 692	Research Methods	3
UED 720	Crisis and Trauma Intervention	3
UED 793	Internship	3

Subject Area Courses

Biology

Code	Title	Credits
BIO 501	History of Biological Concepts	3
BIO 502	Modern Biology	3
BIO 510	Experience Biology	3
BIO 520	Special Problems in Biology	3
BIO XXX	Restricted Elective	

Chemistry

Code	Title	Credits
CHM 521	Chemical Demonstrations	3
CHM 531	Biochemistry	3
CHM 532	Biochemistry	3
CHM 581	Special Topics	3
CHM XXX	Restricted Elective	

English (Offered as an Accelerated Online Program Only)

Code	Title	Credits
ENG 519	Contemporary American English Grammar	3
ENG 560	Assessment and Evaluation of Writing	3
ENG 648	Language and Culture	3
ENG 654	Professional Writing	3
ENG XXX	Restricted Elective	

History

Code	Title	Credits
HIS 516	America and the Rise of a City	3
HIS 610	Topics in Urban History	3
GEO 510	Urban Geography	3
UAF 611	Urban Problems in Contemporary America	3
HIS XXX	Restricted Elective	

Mathematics (Offered as an Accelerated Online Program Only)

Code	Title	Credits
MTH 500	Advanded Geometry	3
MTH 510	Discrete Mathematiccs	3
MTH 520	Mathematicalalogical and Setatheory	3
MTH 530	Mathematical Models and Applications	3
MTH XXX	Restricted Elective	

Mathematics Specialist

The Mathematics Specialist concentration focuses on leadership and mathematics instructional delivery including best practices. It requires nine (9) credits of Educational Leadership courses for a total of 39 credits.

Code	Title	Credits
MTH 500L	Geometry and the Middle School Teacher	3
MTH 500S	Probability and Statistics	3
MTH 501J	Numbrasysta&aoper	3
MTH 501K	Alga&afunctionsamidaschateache	3
MTH 501L	Rational Numbers & Proportional Reasoning	3
UED 617	Organization Beh/Multicultural Society	3
UED 637	Curriculum Development and Technology	3
UED 691	Research/Writing	3
UED 791	Applied Research I	3
UED 792	Applied Research II	3
EED 551	Education Leadership I	3
EED 552	Education Leadership II	3
EED 553	Educational Leadership III	3

COLLEGE OF LIBERAL ARTS

Dr. Wanda Brockington, Dean (I)
Professor Chinedu Okala, Associate Dean
(757) 823-2430

The College of Liberal Arts is comprised of a broad range of academic disciplines in the humanities and social sciences with undergraduate and graduate degrees housed in seven departments:

- English and Foreign Languages
- Mass Communications and Journalism
- History and Interdisciplinary Studies
- Political Science
- Psychology
- Sociology
- Visual and Performing Arts (Fine Arts, and Music).

In addition, General Studies, and WNSB 91.1 FM are housed in the College of Liberal Arts.

The mission of the college is to provide a transformative education that enables students to maximize their potential to become creative, independent thinkers and lifelong learners who adapt and contribute ethically to evolving national and international societies.

The College of Liberal Arts impacts every student who matriculates through Norfolk State University. In addition to nine undergraduate academic degree programs and four graduate academic degree programs, the college serves as a service area for students taking introductory courses in the general education core. Exposure to courses in the areas of English, Music, Fine Arts, History, Sociology, and Psychology affords students many opportunities to appreciate and understand their role in a global society.

Within the context of the University's strategic plan, the overall goals of the College of Liberal Arts are to:

- Provide students with a liberating education that is conducive to life-long learning.
- Impart knowledge, strengthen communicative and quantitative abilities, and enhance research and inquiry skills in the various subject matter areas.
- Develop habits of independent thought and critical thinking.
- Promote attitudes of understanding, respect, and tolerance for one's own culture and the cultures of other peoples.
- Engender in students an appreciation of the moral and ethical components of life.
- Define educational standards that address the changing paradigms and diverse needs of students in a changing global society.
- Provide highly qualified graduates for the global workforce.

Contribute to the social consciousness, civic engagement, and cultural enrichment of the community through the provision of programs, exhibits and workshops in the arts, humanities, and social sciences.

College of Liberal Arts Departments

- Media and Communications (p. 47)
  - Media and Communication, M.A. (p. 48)
- Psychology (p. 50)
  - Clinical Psychology, Ph.D. (p. 51)
  - CyberPsychology Certificate (p. 55)
  - CyberPsychology, M.S. (p. 53)
- Sociology (p. 56)
  - Criminal Justice, M.A. (p. 57)
  - Urban Affairs, M.A. (p. 59)
- Visual and Performing Arts (p. 61)
  - Music, M.M. (p. 62)
  - Visual Studies, M.F.A. (p. 66)

Media and Communications

Dr. Cathy Jackson
Program Coordinator
(757) 823-2442
cmjackson@nsu.edu

The program leading to the Master of Arts in Media and Communications offers two (2) sequences: mass communications and journalism.

- The Mass Communications sequence has two tracks: (1) Media Management and (2) Media Production. The Media Management track is designed to provide students with the academic knowledge and work experience required for careers in the administration of the print and electronic media (cable, satellite, radio, and television) at the mid-management level. The Media Production track is designed to provide students with advanced skills and work experience in planning, creating, organizing, and producing a wide variety of media audio and video productions.
- The Journalism sequence has two tracks: (1) News Editorial Management and (2) Public Relations. The sequence is designed as a mid-career program for journalists and media and public relations practitioners or those who want to build upon a baccalaureate degree from an accredited college or university.

Media and Communications Programs

- Media and Communication, M.A. (p. 48)

Media and Communication, M.A.

Dr. Cathy Jackson
Program Coordinator
(757) 823-2442
cmjackson@nsu.edu

The program leading to the Master of Arts in Media and Communications offers two (2) sequences: mass communications and journalism.

- The Mass Communications sequence has two tracks: (1) Media Management and (2) Media Production. The Media Management track is designed to provide students with the academic knowledge and work experience required for careers in the administration of the print and electronic media (cable, satellite, radio, and television) at the mid-management level. The Media Production track is designed to provide students with advanced skills and work experience in planning, creating, organizing, and producing a wide variety of media audio and video productions.
- The Journalism sequence has two tracks: (1) News Editorial Management and (2) Public Relations. The sequence is designed as a mid-career program for journalists and media and public relations practitioners or those who want to build upon a baccalaureate degree from an accredited college or university.

Admissions

Requirements

Admission to the program leading to a Master of Arts in Media and Communications may be admitted on a degree or non-degree basis. To be admitted as a possible degree candidate, a student must hold a baccalaureate degree from an accredited college or university with an overall academic average of 3.0 (based on a 4.0 scale), and have a 3.0 average in his/her major field of study from an accredited college or university. A personal interview may be required.

A student who otherwise meets all of the general requirements for admission but whose overall undergraduate academic average falls below the required 3.0 yet exceeds 2.8 (based on a 4.0 scale), may be accepted on provisional status and may take up to nine credit hours in the program, as a non-degree student. Upon completing the first nine hours of approved graduate work with a 3.0 or above average, the student may petition the Master of Arts in Media and Communications Graduate Admissions Committee for regular admission to the program as a degree-seeking student.

Re-admission

Re-admission to the program is not automatic. After an absence of one semester, a former student must apply to the Graduate School for re-admission to the program and follow the regular re-admission procedure. In lieu of the re-admission process, a student may maintain his/her matriculation status by enrolling in a continuous registration course and paying the appropriate fee.

Non-Degree Status

A person with a baccalaureate degree and who seeks to take particular courses but not work toward a graduate degree on a matriculating basis may be admitted in a non-degree status. The student may at a later date apply for admission to degree status. A change in status does not imply, however, that course work completed in the non-degree status will be automatically accepted and applied to degree requirements.

Application Procedure

A completed application consists of the following:

1. A fully completed graduate application form
2. An unofficial academic transcript (an official transcript showing that a baccalaureate degree has been awarded is required if admitted and prior to enrollment)
3. A CV/Resume
4. A minimum score on the TOEFL Exam as required by the Graduate School at Norfolk State University (international students only)

Only fully completed applications will be reviewed by the Master of Arts in Media and Communications Graduate Admissions Committee. The deadline for all fully completed applications is May 1 for fall and summer and November 1 for spring.

Transfer Credit

Up to six (6) hours of graduate-level transfer credit course work may be approved by the Master of Arts in Media and Communications Graduate Admissions Committee. Students must have earned a grade point average of at least 3.0 (on a 4.0 scale) for each hour of transfer credit accepted.

PROGRAM REQUIREMENTS

Graduation Degree Requirements: News Editorial and Management

Subject Area	Credits
Core Courses	9
Concentration Electives	9
Internship/Thesis/Electives	12
Total Credit Hours	**30**

Core Courses

Code	Title	Credits
MCM 610	Media Research	3
MCM 620	Media Theory	3
MCM 653	Media Law	3

News Editorial and Media Management Concentration Courses

Code	Title	Credits
Core Courses		
MCM 510	Introduction to Mass Communication	3
MCM 513	Specialized Writing	3
MCM 545	Media Management Administration	3
Total Credits		**9**

Electives

Code	Title	Credits
Core Courses		
XXX XXX	Internship/Thesis/Electives	12
Total Credits		**12**

Graduation Degree Requirements: Public Relations

Subject Area	Credits
Core Courses	9
Concentration Electives	9
Internship/Thesis/Electives	12
Total Credit Hours	**30**

Core Courses

Code	Title	Credits
MCM 610	Media Research	3
MCM 620	Media Theory	3
MCM 653	Media Law	3

Public Relations Core Courses

Code	Title	Credits
MCM 512	Editing Publications	3
MCM 513	Specialized Writing	3
MCM 652	Public Relations	3

Electives

Code	Title	Credits
xxx xxx	Internship/Thesis/Electives	12

Graduation Degree Requirements: Media Production

Subject Area	Credits
Core Courses	9
Concentration Courses	9
Internship/Thesis/Electives	12
Total Credit Hours	**30**

Core Courses

Code	Title	Credits
MCM 610	Media Research	3
MCM 620	Media Theory	3
MCM 653	Media Law	3

Media Producation Concentration Courses

Code	Title	Credits
MCM 550	Introduction to Television	3
MCM 650	Television Production II	3
MCM 660	Seminar in Radio/Tv/Film	3

Elective Courses

Code	Title	Credits
XXX XXX	Internship/Thesis/Electives	12

Psychology

Dr. Karen Y. Holmes, Department Head
(757) 823-9055

The Department of Psychology offers the Doctor of Philosophy Degree (Ph.D.) in Clinical Psychology through the Virginia Consortium which is jointly sponsored by Norfolk State University and Old Dominion University. The Psychology Department also awards several undergraduate degrees which include the Bachelor of Arts Degree with concentrations in General Psychology, Teacher Certification in Early Childhood Education, and Teacher Certification in Special Education. The Psychology Department plays a significant role in the overall mission of the University by contributing to the development of students in the behavioral sciences.

The major aims of the Department are as follows:

1. To provide a flexible, relevant, and fundamentally sound curriculum for students majoring in psychology.
2. To prepare students thoroughly to render services initially as entry-level professionals, teachers, and behavioral scientists.
3. To provide a thorough behavioral science background for students whose expertise can be utilized in related human service fields of employment.
4. To prepare students to work as professional psychologists.

Psychology Programs

- Clinical Psychology, Ph.D. (p. 51)
- CyberPsychology Certificate (p. 55)
- CyberPsychology, M.S. (p. 53)

Clinical Psychology, Ph.D.

Dr. Andrew Franklin
Associate Director of Clinical Training
(757) 823-2241
asfranklin@nsu.edu
Program Website
https://sci.odu.edu/vcpcp/

Program Description

The Clinical Ph.D. Program is jointly sponsored by Norfolk State University and Old Dominion University. It is administered through The Virginia Consortium Program in Clinical Psychology, a cooperative mechanism for coordinating the resources of the sponsoring schools. The combined efforts of these institutions give considerable breadth and depth to this unique program. Students take classes at both institution and are engaged in research activities and clinical work throughout their training.

The program follows a scientist-practitioner model whose mission is to graduate practicing clinical psychologists who are prepared to pursue research and clinical careers. The Program aims to provide balanced training in both science and practice. We strive to graduate clinical psychologists who are competent in individual and cultural diversity, educated in the basic subjects and methods of psychological science, capable of generating and critically assimilating new knowledge, proficient in the delivery and evaluation of psychological services, and able to assume leadership positions in academic or health service delivery systems.

Detailed information about the program is available at the programs website (https://sci.odu.edu/vcpcp/).

In compliance with federal disclosure regulations, The Virginia Consortium provides all prospective students with information about the degree to which the Program meets the educational requirements for licensure in the U.S. (states, territories, and the District of Columbia) on its program website (https://sci.odu.edu/vcpcp/) (located at the bottom).

Accreditation

American Psychological Association (http://www.apa.org/ed/accreditation/)
Consultation/Accreditation
750 First Street, NE
Washington, DC 20002
202-336-5979/Fax 202-336-5978
Email: apaaccred@apa.org

Please see the Consortium website at www.odu.edu/vcpcp (http://www.odu.edu/vcpcp/) for the most up-to-date program and catalog information.

Degree Requirements

To be awarded the degree of Doctor of Philosophy, the student must have met the following specific requirements:

- The successful completion of four full years (Fall, Spring and Summer semesters) of full-time study beyond the baccalaureate, or the equivalent. In addition, the successful completion of an internship that is a full-time experience for one calendar year or a half-time experience for two calendar years, with at least two hours per week of formally scheduled individual supervision. See www.odu.edu/vcpcp (http://www.odu.edu/vcpcp/) under program for our Program Handbook that contains curriculum information.
- Each doctoral student must pass the comprehensive written and oral qualifying examination before being admitted to candidacy.
- Students must complete a foundational research project (FRP) by the end of fall semester of their third year. Students entering with a master's degree may be exempt from the FRP but are expected to be actively engaged in research with their research mentor beginning in the first year.
- Each student must propose, conduct, and successfully defend a clinical dissertation. The defense is not limited to the topic of the dissertation.
- Students are required to have a GPA of 3.00 or better to be awarded the Ph.D. degree. Those who complete the course requirements for the degree but have a deficiency in GPA may be given an opportunity to increase their GPA by repeating up to 9 credits of prior coursework in which relative deficiencies were exhibited.
- All requirements for the doctoral degree must be completed within seven calendar years from the time the student begins the doctoral program.

Exemption from Required Courses

On the basis of demonstrated proficiency, a student may be granted a reduction in required courses. Proficiency must be established to the satisfaction of the course instructor and the Directors.

Required courses within The Virginia Consortium curriculum previously completed in another program at one of the participating institutions will be documented on the student's transcript. The student will not be required to duplicate the course(s).

The entire exemption process must be completed no later than two weeks after the beginning of the course(s) in question. Course waiver forms are available in the Program's Administrative Office.

Practicum Training

Development of clinical skills and competencies through supervised experience is a crucial component of the Program. The Virginia Consortium provides a systematic sequence of supervised practica in which students apply the knowledge and skills acquired in the classroom. Placements are arranged to assure that each student is exposed to several settings and populations.

Practicum training is offered in a variety of diverse settings, such as mental health centers, medical hospitals, a veterans' medical center, psychiatric hospitals, public school systems, university counseling centers, social services clinics, private practices, and neuropsychology - rehabilitation. Some practicum sites require criminal background checks and drug testing.

Summary of Graduation Requirements

Subject Area	Credits
Core Courses	39
Research Courses	16
Dissertation Courses	12
Therapy and Free Electives	6
Practicum	30

Internship	12
Total Credit Hours	**115**

Curriculum

Code	Title	Credits
Core Courses		
NSU Courses		
CPS 632	Intellectual Assessment	3
CPS 635	Social and Multicultural Psychology	3
CPS 700	Clinical & Ethical Practice	3
CPS 703	Cognitive-Behavioral Therapy	3
CPS 705	History & Systems	3
CPS 895	Clinical Practicum Students take Clinical Practicum for 6 semesters in years 1 and 2	3
CPS 896	Advanced Practicum Taken in 3rd year for 2 semesters for 6 credits.	3-6
ODU Courses		
PSY 651	Developmental Psychology	3
PSYS 661	Psychopathology	3
PSYC 801	Empirically Supported Therapies	3
PSYC 813	Research Methods	3
PSYC 824	Analysis of Variance	4
PSYC 825	Regression/Correlations Design	4
PSYC 890	Internship in Clinical Psychology	12
CPSY 936	Personality Assessment	3
CPSY 961	Biological and Cognitive Aspects of Behavior	3
Any Site		
Research in Clinical Psychology		16
Advanced Clinical Practicum		12
Clinical Dissertation		12
Therapy Elective		3
Free Elective		3

Admissions

Requirements

Academic qualifications of applicants are evaluated to assure that students are capable of meeting the educational requirements of the Program. Applications are evaluated with regard to undergraduate and graduate grade point average, letters of recommendation, and relevant clinical experience. Of equal importance are personal characteristics conducive to the development of professional competence in dealing effectively with a variety of underserved populations. An attempt is made to admit students who are a "good match" with the Program, its resources and its mission.

Admission to the Program is limited to 4-6 students per year. To be considered for admission to the Program, an applicant must satisfy the following criteria:

1. Hold a baccalaureate degree from an accredited institution of higher education;
2. Have an acceptable academic background in psychology - approximately 20-30 credit hours;
3. Submit official transcripts indicating all coursework completed, grades achieved, and degrees received;
4. Submit a statement indicating professional goals and academic objectives (refer to application blank for specific detail) - and include a vita or resume;
5. Submit three letters of recommendation;
6. Complete a personal interview.

Please note: The GRE General Test for the Fall 2024 admission cycle is optional for applications submitted fall 2023.

Application Procedures

Application to The Virginia Consortium must be made on Consortium materials only. The Virginia Consortium's deadlines, application fee, and evaluation procedures are independent and separate from the three Consortium universities' graduate school policies.

How to Obtain an Application

Application materials are available from August - December. They may be accessed from the Program's web site at www.odu.edu/vcpcp/ (http://www.odu.edu/vcpcp/)

Application Deadline

Complete an application by going to the Admissions page at www.odu.edu/vcpcp (http://www.odu.edu/vcpcp/). Application materials and fee must be received by. December 1. There is no fee waiver policy.

Application Review

Applications are reviewed by members of the Program's Admissions Committee and potential research mentors. Selected applicants will be invited to an interview. Interviews are required for admission. Interviews are typically conducted in January and February. Applicants are notified of the Committee's decisions by April.

CyberPsychology, M.S.

Scott M. Debb, Ed.D.
Program Coordinator
757-823-8573
cyberpsychology@nsu.edu

M.S. in CyberPsychology

The M.S. CyberPsychology program (MS.CYP) is a year-round fully asynchronous online program designed to prepare students for careers in applied social science. This specialty examines the relationship between human behavior in the 21st century and both current and emerging (digital) technologies. The program builds on a wide range of psychological theories combined with critical examination of emerging trends across all domains of psychology and related interdisciplinary fields. Students are equipped with essential research skills sought after across a wide range of employment settings and higher education programs.

Program Learning Outcomes

Upon completion of the CyberPsychology program coursework and training, students will be able to:

- ***Describe*** how current and emerging digital technologies impact how human beings think and behave individually and in groups;
- ***Integrate*** the ethical, cultural, social, political, and legal issues impacting applied cyberpsychological theory and research;
- ***Conduct*** cyberpsychological research informed by diverse interdisciplinary theories;
- ***Conceptualize*** practical and novel problems in society that are impacted by the continual changes in digital technologies;
- ***Design***, ***implement***, and effectively ***communicate*** cyberpsychological research findings

Cyberpsychology Curriculum

Cyberpsychology Foundation Core

Students complete 21 credits of the foundational core.

Code	Title	Credits
PSY 510	Psychology & Cyberspace	3
PSY 520	Trends in Cyberpsychology	3
PSY 530	Research & Ethics	3
PSY 610	Cyberpsychology Research I *	3
PSY 690	Cyberpsychology Capstone	3

* Course to be taken 3 semesters consecutively

CyberPsychology Courses (21 credits are required; Courses are offered on a rotating basis)

Code	Title	Credits
PSY 535	Quantitative Research Methods	3
PSY 536	Qualitative Research Methods	3
PSY 540	Consumer and Media Cyberpsychology	3
PSY 550	Human-Computer Interaction	3
PSY 560	Virtuality	3
PSY 570	Forensic Cyberpyschology	3
PSY 580	Cybercognition & Behavior	3
PSY 590	Cyberpsychopathology	3
PSY 600	Cyberpsychology Internship **	3
PSY 620	Cyberpsychology Research II **	3

** 1 - 3 credits repeatable up to 9 credits total

Sample Sequence of Courses for Fulltime Students

Each cohort of students will follow a specific curriculum based on their start term.

Course	Title	Credits
First Year		
Fall		
Mini Term 1		
PSY 510 & PSY 530	Psychology & Cyberspace and Research & Ethics	6
Mini Term 2		
PSY 520 & PSY 540	Trends in Cyberpsychology and Consumer and Media Cyberpsychology	6
	Credits	**12**
Spring		
Mini-Term 1		
PSY 550 & PSY 610	Human-Computer Interaction and Cyberpsychology Research I	6
Mini-Term 2		
PSY 535 & PSY 610	Quantitative Research Methods and Cyberpsychology Research I	6
	Credits	**12**
Summer		
PSY 536 & PSY 610	Qualitative Research Methods and Cyberpsychology Research I (Mini-Term 1)	6
PSY 570 & PSY 580	Forensic Cyberpyschology and Cybercognition & Behavior	6
	Credits	**12**
Second Year		
Fall		
Mini-Term 1		
PSY 590 & PSY 690	Cyberpsychopathology and Cyberpsychology Capstone	6
	Credits	**6**
	Total Credits	**42**

Total credits for degree program: 42 semester credit hours
Months to completion: as few as 14 months

M.S. Degree Admission Requirements

Graduation from an accredited domestic or international undergraduate (or graduate) degree program is required although an academic major or area of concentration is open. However, a strong undergraduate background in psychological theory or social science research is highly desirable (preference will be given to students with a psychology-related background). The MS.CYP program is research-intensive and applicants should aim to demonstrate their experience, proficiency, or potential to engage in research via their application materials, in particular the personal statement and letters of recommendation.

The M.S. CyberPsychology degree program admits full and part-time matriculating students. There are six independent entry points during each academic year. Applicants will identify a preferred semester of entry, although circumstances may require a subsequent date of entry.

All M.S. CyberPsychology degree program applicants are evaluated based on each application's merit and demonstrated relevance to the mission of the program, as determined by the M.S. CyberPsychology Admissions Committee. Meeting the minimum criteria outlined below is not a guarantee of acceptance into the program.

The University's minimum requirements are outlined here (https://www.nsu.edu/graduate-studies/admission-requirements/). Unofficial transcripts may be uploaded with your application to expedite review by the Admissions Committee. An official transcript identifying an undergraduate institution from which your degree has been conferred, and other graduate/undergraduate institutions from which you have received academic credit, is required prior to enrollment if admitted. You do not need to submit a "portfolio" of your work experience as mentioned in the university's standard requirements and you are not required to take the GRE (but you may report your scores to the school if you have them).

Additionally, please ensure your application reflects the following program-specific documentation.

- Graduation from an accredited domestic or international undergraduate (or graduate) degree program is required
- Academic major or area of concentration is open
- A strong undergraduate background in psychological theory/research or social science is highly desirable (preference will be given to students with a psychology-related background). At a minimum, students are encouraged to have familiarity with:
  - Introductory level psychological theory or application (such as basic principles of psychology, lifespan/human development, abnormal psychology, cyberpsychology)
  - Research Methodology (such as psychological or other social science research methods, quantitative/qualitative research design, experimental psychology)
  - Statistics (such as applied stats for psychology or social science research; familiarity with using and understanding stats programs such as SPSS)

The MS.CYP program is research-intensive and applicants should aim to demonstrate their experience, proficiency, or potential to engage in research via their application materials, in particular the personal statement and letters of recommendation.

All applicants must adhere to the guidelines below:

1. Two letters of academic or professional recommendation

- *At least one recommender* must be a professor or other academician with whom you have completed at least one course and who can attest to your academic performance and potential as a graduate student. Other recommendation letters can be from professors, workplace or research supervisors, or another individual who knows you in any professional capacity.

  a. Recommendation letters from recent professors are highly recommended.

  b. *Recommendation letters from personal contacts (e.g., friends or family) will not be accepted.*
- The recommender must fill out the school's rating form at a minimum, although it is *highly recommended* for recommenders to also write a personalized letter and upload it. Uploaded letters must be in PDF format and signed (or digitally signed) by the recommender.
- The recommendation letter must specifically attest to the student's previous academic or vocational performance, as well as the student's abilities and future potential for success at the graduate level.
- Recommendation letters that do not meet these criteria will not be accepted.

2. Grade Point Average (GPA)

- An undergraduate GPA of 3.0 on a 4.0 scale is highly preferred. Graduate coursework (minimum GPA of 3.0 on a 4.0 scale) will be considered in addition to or in lieu of undergraduate GPA.
- Applicants whose GPA is below 3.0 may be considered at the discretion of the MS.CYP Program Coordinator and the Admissions Review Committee in situations where there is compelling evidence as explained in the Personal Statement, as well as two strong letters of recommendation from individuals uniquely qualified to attest to your potential as a graduate student.

3. *Personal Statement*

1. A personal statement written in a narrative form that addresses your specific interest in the field of *cyberpsychology,* what attracted you to the program, what you believe will allow you to be successful in this program, and what you hope to achieve as a student.
2. Proofread and formatting that does not exceed 2 pages (double spaced, 12 pt Times or Arial font, 1" margins, .5" header and footer).

5. Current Resume or CV

- Your resume (or curriculum vitae) outlining your relevant skills, education, and/or work experience.
- Dates and locations for all activities should be indicated as necessary.
- Include any relevant school, work, internship, volunteer, or other experience that may potentially be relevant to demonstrate your preparedness for graduate-level scholarship.

CyberPsychology Certificate

Certificate in CyberPsychology

The Certificate in CyberPsychology program is designed for post-baccalaureates seeking advanced education in the applied interdisciplinary study of cyberpsychology. This certificate is appropriate for individuals seeking a broad overview of the history and current state of cyberpsychological study without having to formally engage in scientific research. All required coursework overlaps with the curriculum for the M.S. CyberPsychology degree program, offering Certificate students the opportunity to survey multiple areas of cyberpsychology and then easily transition into graduate-level study. Fifteen credit hours are required for the certificate.

Certificate Program Learning Outcomes

Upon completion of the CyberPsychology program coursework and training, students will be able to:

- ***Describe*** how current and emerging digital technologies impact how human beings think and behave individually and in groups;
- ***Integrate*** the ethical, cultural, social, political, and legal issues impacting applied cyberpsychological theory and research;
- ***Conceptualize*** practical and novel problems in society that are impacted by the continual changes in digital technologies;

Students can pursue one of two tracks.

Track 1: Behavioral Emphasis

The purpose of this track is to prepare students to examine human behavior. The coursework allows students to learn how to utilize psychological theories to study human behavior.

Requirements

Code	Title	Credits
Core Courses		
PSY 510	Psychology & Cyberspace	3
PSY 580	Cybercognition & Behavior	3
Required Course		
PSY 560	Virtuality	3
Elective Courses (Take 6 credits)		
PSY 540	Consumer & Media Cyberpsychology	3
PSY 550	Human-Computer Interaction	3
PSY 570	Forensic Cyberpyschology	3
PSY 590	Cyberpsychopathology	3

Track 2: Research Emphasis

The purpose of this track is to prepare students to become researchers in cyberpsychology. Students will learn research methods to use to conduct research. This coursework will educate students on the ethics of conducting research.

Requirements

Code	Title	Credits
Core Courses		
PSY 510	Psychology & Cyberspace	3
PSY 580	Cybercognition & Behavior	3
Required Course		
PSY 530	Research & Ethics in Cyberpsychology	3
Elective Courses (Take 6 credits)		
PSY 520	Current Trends in Cyberpsychology	3
PSY 535	Quantitative Research Methods	3
PSY 536	Qualitative Research Methods	3
PSY 620	Cyberpsychology Research II	3

Admission Requirements

- Submit an online application.
- Hold a bachelor's degree and submit a transcript from an accredited institution with a GPA of 2.5 or better.

Sociology

Dr. Carlene Turner,
Department Head
(757) 823-8436

The Sociology Department focuses on providing understanding of social issues such as crime, poverty, injustice, urban and family problems based on scientific principles of society. The Department is committed to student excellence, preparing students to address these issues in society by working closely with them to encourage and develop their skills. Through research and scholarly activities, faculty contribute to the further understanding of human behavior and involve students in these activities. Simultaneously, the Department seeks to serve as an interface between the theoretically-oriented university and the pragmatically-oriented community and to be involved in community service. As a channel of scientific knowledge, the Sociology Department is prepared to introduce innovative programs to meet the needs of a dynamic, diverse society. The Department offers a Bachelor of Arts degree in Sociology and Masters of Arts degrees in Criminal Justice, and Urban Affairs.

Sociology Programs

- Criminal Justice, M.A. (p. 57)
- Urban Affairs, M.A. (p. 59)

Criminal Justice, M.A.

Dr. Robert K. Perkins, Program Coordinator
Brown Memorial Hall
Norfolk State University
700 Park Ave, Suite #203
Norfolk, VA 23504
Phone: (757) 823-8436
Fax: (757) 823-8167
Email: cjmp@nsu.edu
(criminaljustice@nsu.edu) (criminaljustice@nsu.edu)

Program Structure

The Master of Arts in Criminal Justice consists of a core of five courses (15 credit hours) that set the foundation and parameters for specialization in two concentrations:

1. Management and Planning
2. Juvenile Justice

The specialized concentrations consist of an additional three required courses (9 semester credit hours). The remaining twelve (12) semester credit hours consist of electives. Students may select the thesis or comprehensive examination option. Students must successfully complete a total of 36 semester credit hours to be awarded the Master of Arts degree in Criminal Justice.

Curriculum

Summary of Graduation Requirements

Subject Area	Credits
Core Courses	15
Concentration Requirements	9
Electives	12
Total Credit Hours	**36**

Core courses

Code	Title	Credits
CJS 610	Theories of Crime and Delinquency	3
CJS 644	Research Methods in Criminal Justice	3
CJS 645	Quantitative Analysis in Cj	3
CJS 650	Criminal Justice Policy Analysis	3
CJS 651	Criminal Justice Ethics	3

Concentrations

Management and Planning Curriculum

Code	Title	Credits
Core Courses		**15**
Required Concentration Courses		**9**
CJS 611	Admin of Criminal Justice Organizations	
CJS 612	Strategic Planning for Criminal Justice	
CJS 618	Legal Issues in Cj Management	
Electives: Select 12 credits from the following:		**12**
CJS 571	Youth Crime, and the School	
CJS 575	Legal Aspects of Juvenile Justice	
CJS 590	Readings in Criminal Justice	
CJS 601	Systems of Criminal Justice	
CJS 607	Minorities in Criminal Justice	
CJS 613	Community Policing	
CJS 616	Restorative Justice	
CJS 665	Criminal Justice Internship	
CJS 678	Juvenile Offenders and Youth Gangs	
CJS 681	Youth and Society	
CJS 689	Gender, Crime, and Justice	
CJS 690	Independent Study in Criminal Justice	
CJS 699	Thesis	
CJS 750	Continuing Registration	
CJS 752	Comprehensive Examination	
Total Credits		**36**

Juvenile Justice Curriculum

Code	Title	Credits
Core Courses		**15**
Required Concentration Courses		**9**
CJS 672	Policing and Adjudicating Juveniles	
CJS 674	Juvenile Corrections and Treatment	
CJS 676	Juvenile Delinquency & Justice System	
Electives: Select 12 credits from the following:		**12**
CJS 575	Legal Aspects of Juvenile Justice	
CJS 590	Readings in Criminal Justice	
CJS 607	Minorities in Criminal Justice	
CJS 613	Community Policing	
CJS 616	Restorative Justice	
CJS 665	Criminal Justice Internship	
CJS 678	Juvenile Offenders and Youth Gangs	
CJS 681	Youth and Society	
CJS 689	Gender, Crime, and Justice	
CJS 690	Independent Study in Criminal Justice	
CJS 699	Thesis	
CJS 750	Continuing Registration	
CJS 752	Comprehensive Examination	
Total Credits		**36**

Admissions

Requirements

For admission to the graduate program in Criminal Justice, applicants must fulfill the requirements established by the Graduate Council of Norfolk State University and the Admissions Committee of the Criminal Justice Program. The requirements for admission are as follows:

1. A baccalaureate degree from a regionally accredited college or university, or equivalent qualifications for a foreign student.
2. A minimum overall undergraduate Grade Point Average (G.P.A.) of 3.0 on a 4.0 scale.
3. Three written letters of recommendation from faculty members familiar with the applicant. Applicant's current employer's recommendation (if current job is related to criminal justice) may be substituted for one of the faculty letters.

4. One official transcript from each college and/or university attended (unless one transcript reproduces all others)
5. Statement of professional interest and goals.

An online application must be completed and all supplemental materials uploaded into the application portal. Official transcripts should be sent to the following address:

Norfolk State University
School of Graduate Studies and Research
McDemmond Center for Applied Research, Suite 602
700 Park Avenue
Norfolk, VA 23504
(757) 823-8015

Applicants are admitted to study at the graduate level in one of two classifications: degree seeking (regular) and non-degree seeking.

1. Successful completion of at least 15 semester credit hours of undergraduate criminal justice courses, including theory, research methods, and statistics or related degree

Provisional Admission

Applicants who do not qualify for regular admission will be evaluated on a case by case basis.

Urban Affairs, M.A.

Dr. Robert K. Perkins, Program Coordinator
(757) 823-8436

Description

The Graduate Program in Urban Affairs, which offers the Master of Arts degree, is located in the Sociology Department. It is a multidisciplinary program, utilizing the resources of the social science disciplines. As over half the world's population lives in or near urban areas, the study of urban affairs is an invaluable discipline.

The program is structured to meet the career development needs of adults desiring to work in urban administration or professional positions that address urban issues.

Persons who have an interest in the following areas will find the study of Urban Affairs to be of particular interest: Urban/city planning and administration, including local, state, and federal government, urban revitalization, human resources development, community organizations, public health, urban problems (housing, criminal justice, education, transportation), civics, urban studies or other urban environments. In addition, Urban Affairs students are increasingly being recruited for private and non-profit career opportunities.

Degree Requirements

Time Limit

A student matriculating in a master's degree program at Norfolk State University will be expected to complete all requirements for his/her degree within a four academic calendar-year period.

Thesis or Comprehensive Exam

Each student is expected to write a thesis or take a comprehensive exam for the completion of the Master's of Urban Affairs. The thesis must involve a significant problem and be demonstrative of the student's competency in research methods. The comprehensive examinations are used to test students' knowledge of the subject area in two or more related areas. It is necessary that the student (candidate) be enrolled in the Graduate Program of Urban Affairs during the thesis defense presentation or to take the comprehensive examination.

Credit Hours

The thirty-six (36) credit hour curriculum consists of two parts: core courses (24 hours) and electives (12 hours).

Course Load

A full-time graduate student enrolled during an academic year is permitted to carry a class load of twelve (12) credit hours per semester, and six (6) credit hours during the Summer Session. To be considered in full-time study, the student must be registered for 9 or more credit hours each semester during the academic year. The Departmental Graduate Coordinator must approve any departure from these regulations.

Transfer Credit

A maximum of six (6) credit hours may be allowed as transfer credit for students who have completed graduate courses at Norfolk State University and other accredited institutions. These credits should have been taken during the last five years and should not have been previously applied to a degree at another institution. The Coordinator of the Graduate Program in Urban Affairs will make decisions regarding transfer of credit.

Withdrawal from Courses

A graduate student may officially withdraw from a course in accordance with the dates stipulated in the University Calendar. To withdraw, a student must file a withdrawal petition provided by the Registrar's Office.

Advancement/Advisement and Evaluation

Incoming students to the graduate program are expected to identify a specialization. A faculty member is assigned to advise the student and monitor his/her progress and performance during the tenure in the program. All candidates for the Master of Arts degree in Urban Affairs are must maintain a minimum of a 3.0 cumulative index out of a possible 4.0. The grades are reviewed by the program coordinator after each semester. In cases of sub-standard performance, actions are initiated. These include warning, probation, and termination.

Application for Degree

Prospective graduates should adhere to the University Calendar regarding deadlines for filing an application for graduation. Applications must be filed in the program office. The application for graduation form will initiate clearance toward graduation by the Graduate Coordinator and the Registrar. The student is asked to pay the graduation fee at the time that he/she files the application. If all requirements for the degree are not met at the end of the last semester or summer session's work, the student will be required to file an update with the Graduation Audit Office in order that the corrected date is reflected on the diploma.

Graduation Requirements

Subject Area	Credits
Core Courses	18
Electives	12
Thesis/Non Thesis Elective Courses	6
Total Credit Hours	**36**

Core Courses

Code	Title	Credits
UAF 570	Introduction to Urban Studies	3
UAF 611	Urban Problems in Contemporary America	3
UAF 690	Urban Policy Analysis/Program Dev	3
UAF 693	Urban Community Field Placement	3
UAF 697	Urban Research Methods I	3
UAF 698	Urban Research Methods II	3

Thesis Option

Code	Title	Credits
Core Courses		**18**
Thesis Courses		**6**
UAF 699	Thesis/Urban Affairs	
Electives: Select 12 credits from the following:		**12**
UAF 575	Information Systems Research/Evaluation	
UAF 614	Structural Models for Urban Action	
UAF 616	Executive Management and Leadership	
UAF 620	Housing and Redevelopment Policy	

POS 661	Urban Finance Administration	
Total Credits		**36**

Non-Thesis Option

Code	Title	Credits
Core Courses		**18**
Comprehensive Examination		**0**
UAF 752	Comprehensive Exam	
Electives: Select 18 credits from the following:		**18**
UAF 575	Information Systems Research/Evaluation	
UAF 614	Structural Models for Urban Action	
UAF 616	Executive Management and Leadership	
UAF 620	Housing and Redevelopment Policy	
UAF 570	Introduction to Urban Studies	
UAF 575	Information Systems Research/Evaluation	
UAF 611	Urban Problems in Contemporary America	
UAF 614	Structural Models for Urban Action	
UAF 616	Executive Management and Leadership	
UAF 620	Housing and Redevelopment Policy	
UAF 697	Urban Research Methods I	
UAF 698	Urban Research Methods II	
UAF 690	Urban Policy Analysis/Program Dev	
UAF 693	Urban Community Field Placement	
UAF 699	Thesis/Urban Affairs	
POS 660	Urban Administration	
UAF 750	Continuing Registration	
UAF 752	Comprehensive Exam	
Total Credits		**36**

Admissions

Requirements

For admission to the graduate program in Urban Affairs, applicants must fulfill the requirements established by the Graduate Council of Norfolk State University and the Admissions Committee of the Urban Affairs Program. The requirements for admission are as follows:

1. A baccalaureate degree from a regionally accredited college or university, or equivalent qualifications for a foreign student.
2. A minimum overall undergraduate Grade Point Average (G.P.A.) of 3.0 on a 4.0 scale.
3. Three written letters of recommendation from faculty members familiar with the applicant. Applicant's current employer's recommendation (if current job is related to urban affairs) may be substituted for one of the faculty letters.
    a. One official transcript from each college and/or university attended (unless one transcript reproduces all others).
    b. Statement of professional interest and goals.

An online application must be completed and all supplemental materials uploaded into the application portal. Official transcripts should be sent to the following address:

Norfolk State University
School of Graduate Studies and Research
McDemmond Center for Applied Research Suite 602
700 Park Avenue
Norfolk, VA 23504
(757) 823-8015

Applicants are admitted to study at the graduate level in one of two classifications: degree seeking (regular) and non-degree seeking.

Degree Status

To be admitted as a degree candidate a student must hold a baccalaureate degree from a regionally accredited institution with a minimum overall grade point average of 3.0 on four-point scale.

Non-Degree Status

Non-degree status is reserved for students who do not meet all requirements for regular admission, for students who do not seek to take courses leading to a particular degree, or for students who hold a baccalaureate degree from an accredited institution but whose academic record reflects less than the required minimum G.P.A. for regular admission. Such persons may be admitted as non-degree seeking students. However, upon completion of nine (9) credit hours of coursework with a "B" or better grade point average, the non-degree student may petition for a change to regular admission status. The change in status does not imply that all coursework completed will be automatically applied to the degree requirements, since the courses may have been taken on a non-credit basis. Generally, a maximum of nine (9) credit hours may be applied toward degree requirements.

Application Deadline

The deadline for the fall term is May 1 and for the spring term is November 1 for guaranteed review of application materials.

Application Review

A program committee reviews applications. A decision on admission status is sent to the Graduate School.

Persons seeking additional information may write, call or email:

Dr. Robert K. Perkins
Urban Affairs Program, Department of Sociology
Norfolk State University
700 Park Avenue
Norfolk, Virginia 23504
Phone: (757) 823-8436
Email: rkperkins@nsu.edu

Visual and Performing Arts

Dr. Susan Ha, Chair
(757) 823-8582

The mission of the Department of Visual and Performing Arts is to cultivate artistic expression that empowers a diverse student body to achieve maximum human potential in the disciplines within the context of the larger Norfolk Student University Mission and Charter; to promote Universal understanding through Drama, Fine Art & Music; foster enlightenment to the campus and community at-large, advance scholarship, and provide high-quality instruction in Drama, Fine Art, Music Education and Music Media.

Division of Fine Arts

Mr. Solomon Isekeije, Division Coordinator
(757) 823-8844

Fine Arts Department offers a program rich in core art course and electives, allowing students to concentrate on their own area of interest. The department has one of the finest computer imaging labs in the country and house excellent studios for traditional media including print-making, painting, drawing, photography, ceramics, sculpture, and fashion design.

Division of Music

Dr. Harlan Zackery, Division Coordinator
(757) 823-8565

The Division of Music offers one undergraduate degree with two emphases and one graduate degree with three concentrations. The Master of Music program offers concentrations in music education, performance, and theory-composition, each of which requires a minimum of thirty credit hours and certain terminal options. A required number of core courses are common to all three concentrations.

Eligibility to major in music is determined by the Music faculty on the basis of musical background and experience, results of auditions and tests, and general qualifications to pursue Music as a major field. The Music Program is a member of the National Association of Schools of Music.

Visual and Performing Arts Programs

- Music, M.M. (p. 62)
- Visual Studies, M.F.A. (p. 66)

Music, M.M.

Dr. Matthew Russell, Program Co-Coordinator for Music Education
(757) 823-9199
Dr. Anne Neikirk, Program Co-Coordinator for Music Theory/Composition and Performance
(757) 823-9112

Purpose and Objectives

The main purpose of the Master of Music program is to enable its graduates to perform at levels of competence and responsibility equal to the technical and artistic demands of specialist or leadership roles as they are defined within the professional discipline. Specific objectives for each sequence are as follows:

Music Education - to explore, through research and practice, pedagogical and performance techniques applicable to leadership roles in a variety of instructional settings.

Performance - to develop interpretive and technical skills in applied music through selected concert literature of advanced complexity as appropriate to the medium and required by professional standards of performance.

Music Theory/Composition - to develop the facility for applying the science of musical structure and analysis to the creative act, and to advance and refine skills in critical analysis of available or self- created works.

The Student

A student in the Master of Music degree program must consult with the Music Division Graduate Program Coordinator or advisor upon entry, and periodically thereafter, to ensure that he/she is working consistently and accurately toward specific curricular goals within the required time limits. Before enrollment in the analytical techniques and music history courses, the student must take a diagnostic examinations in both areas.

Specifically, the student must do the following:

1. Select one of the three sequences.
2. Complete all required and elective coursework as specified by the selected sequence.
3. Select a terminal option.

The Music Faculty

The music faculty is highly qualified and competent to teach in their respective areas and the program is fully accredited by the National Association of Schools of Music (NASM).

Further, to ensure that the specific needs of graduate students are met, the Music Faculty and Division Chair select a Graduate Program Coordinator to be responsible for all matters pertaining to the Graduate School in the Music Division. The coordinator works closely with the Division Chair, the Dean of the College of Liberal Arts as well as with the Dean of the School of Graduate Studies and Research to discuss, examine, and develop new strategies and initiatives to ensure that the program remains current.

Admissions

Requirements

Degree Status

Admission criteria to the Master of Music program are in accordance with the Graduate Council of Norfolk State University and the Admissions Committee of the Music Division. The criteria for admission to regular status are as follows:

1. A baccalaureate degree in music from an accredited college or university. A foreign student should possess equivalent credentials.
2. A minimum overall undergraduate grade point average (G.P.A.) of 2.5 on a 4.0 scale.
3. One written letter of recommendation from a person of professional status that is familiar with the applicant's background and prior performance in academic and/or musical activities (faculty and/or employers).

A complete application file will include the following:

1. Online application to the Norfolk State University Master of Music program.
2. Non-refundable application fee (must be paid online to submit application).
3. One written letter of recommendation submitted electronically.
4. A complete and official transcript from each college and/or university attended.
5. Personal statement of professional interest and goals. The personal statement is an important part of the application for admission and should be carefully prepared and submitted electronically.

Note: All application materials should be received by November 1st for consideration for the spring semester and May 1st for fall semester.

Non-Degree Status

Non-degree status is reserved for

1. applicants who meet all requirements for regular admission, but who do not seek to take courses leading to a degree, and
2. applicants who meet all the general requirements for admission, but whose overall undergraduate academic average falls below the required 2.5 grade point average.

A person with a baccalaureate degree may be granted permission to take particular courses without pursuing a graduate degree. The courses may be taken on a credit or non-credit basis. If the applicant chooses to apply for the Master of Music program and is accepted, a maximum of six (6) hours with a 3.00 average or above taken by the student may be applied toward degree requirements.

Upon completing nine hours of core courses in the Master of Music curriculum at Norfolk State University with a 3.00 average or above, the student may petition for a change from non-degree to degree status.

Candidates for admission may be requested to attend a personal interview. If desired, an applicant may also request an interview. Persons seeking additional information or forms should call or write to

Admission Committee Chair Master of Music Program
Norfolk State University
700 Park Avenue
Norfolk, Virginia 23504

Phone: (757) 823-9112

Transfer of Credit

A maximum of twelve credit hours may be approved by the Admissions Committee as transfer credit from another institution if the work represents courses comparable to those offered in the Master of Music curriculum in which the student has earned either "A" or "B" grades. No work completed at another institution more than five years prior to the student's registration at Norfolk State University can be transferred to this program. Decisions regarding transfer of credit will be made by the Admissions Committee.

Diagnostic Examinations and Auditions

As a part of admission to degree status, full-time and part-time applicants will be required to take diagnostic examinations in music history and in theory. These examinations are given for placement purposes and normally do not constitute a basis for actual admission. If the student is deficient in certain areas, additional work will be required. The Admissions Committee reserves the right to require a student to take one or more undergraduate or review courses, if needed.

An audition of twenty minutes duration is required on the student's principal instrument. Applicants should prepare their auditions according to the following guidelines:

Music Education/Performance Majors

Piano

A work by J. S. Bach or Scarlatti, a classical sonata, and one or two compositions from the 19th and 20th centuries.

Organ

Three or four works drawn from the Baroque period and the 19th and 20th centuries. A typical program might consist of a trio sonata movement or a prelude or fugue by Bach, a sonata by Mendelssohn or a comparable work by Franck, and a representative work by Hindemith, Dupre, or Messiaen.

Voice

An Italian song, an aria from an opera or oratorio, French Art Song, and a German Lied should be performed. In addition, a work in English should be chosen. All works should be performed in the original language.

Guitar

Works including a major Baroque or twentieth century piece, such as, but not limited to, any lute or cello suite by J. S. Bach, the lute suites of S. Weiss, the Partitia by Stephen Dodgson, the Theme and Variations or Sonatina by Lennox Berkley, the Variations sur "Solia De Espana" et Fugue by Manuel M. Ponce, or the Nocturnal, by Benjamin Britten.

Woodwind/Brasswind

Perform musically and fluently several compositions from the various style periods. A brief listing of representative works and technical requirements for each wind instrument may be obtained from the Music Department office.

Percussion

A high degree of snare techniques should be demonstrated through such works as Wilcoxon's Swing Solo, Cirone's Portraits in Rhythm, or any excerpt from the standard symphonic literature. Mallet percussion technique should be shown by the performance of all major and minor scales and such works as Creston's Concerto for Marimba or Goldenberg Etude. The tympani part of a Beethoven symphony should also be played.

Theory-Composition Majors

Submission of a minimum of three compositions from various media with at least one of the works for an ensemble of four or more instruments and/or voices. Tape recordings of the compositions may be included.

Candidacy

A student in the Master of Music program may petition the Department Graduate Committee for candidacy upon

1. the successful completion of fifteen credit hours, including the core courses, and
2. the attainment of a 3.0 grade point average or above.

The decision of the Committee will be forwarded to the student and to the Graduate School

Re-admission

Re-admission to the program is not automatic. After an absence of a semester or longer, a former student must apply for re-admission to the program and follow the regular admission procedure. In lieu of the re-admission process, a student may maintain his/her matriculation status while he/she is not registered for classes by filing a "continuous matriculation" form and paying the appropriate fee. 83

Grading System

The grade will indicate a student's level of achievement as follows:

Grade	Grade Points	Interpretation
A		Excellent
A-		Excellent
B+		Good
B		Satisfactory
B-		Average
C		Below Average
F		Failure
I		Incomplete

Students should consult the Graduate Catalog for complete policies regarding the University grading system, minimum grade requirements, withdrawal from courses, auditing courses, withdrawal from the University, residence requirements, continuous registration, thesis, and time limit.

Music Education Concentration

Graduation Requirements

Subject Area	Credits
Core Courses	11
Concentration and Elective Courses	19
Terminal Option	6
Total Credit Hours	**36**

Each degree concentration requires a total of 36 credit hours. They share 11 credits of Core Courses and 6 Terminal credits. The other 19 credits include emphasis area courses and electives, which are different for each area of concentration.

Core courses

Code	Title	Credits
MUS XXX	Ensemble (MUS 510)	1
MUS XXX	Ensemble (MUS 511)	1
MUS 540	Analytical Techniques I	3
MUS 541	Analytical Techniques II	3
MUS 590	Introduction to Music Research	3

Concentration and Elective Courses

Code	Title	Credits
CONCENTRATION COURSES		**6**
Emphasis Area Requirements		
Applied Musicianship		
MUS XXX	Private Lessons (MUS 521)	2
MUS XXX	Private Lessons (MUS 522)	2
Select one elective from the list below:		2
Keyboard		
MUS 623	Organ Literature	2
MUS 624	Organ Improvisation and Service Playing	2
MUS 628	Piano Literature	2
MUS 527	Piano Pedagogy	2
Instrumental		
MUS 651	Band Management	2-0
MUS 685	Teaching Practicum in Brasswinds	2-0
MUS 686	Teaching Practicum in Woodwinds	2
MUS 687	Teaching Practicum in Strings	2-0
MUS 688	Teaching Practicum in Percussion	2
Voice		
MUS 520	Voice Pedagogy	2
MUS 629	Graduate Diction and Vocal Literature	3
MUS 650	Choral Techniques	3
Students in all emphasis areas may also choose one of the following as an elective course		
MUS 550	Advanced Choral Conducting	2
MUS 551	Advanced Instrumental Conducting	2
MUS 620	Seminar in Performance and Repertoire	2
Music Education Requirements		
MUS 680	History and Philosophy of Music Education	3-0
MUS 681	Current Trends in Music Education	3-0
MUS 682	Administration and Supervision in Music Education	3-0
Music History Electives		
Select two of the following:		4
MUS 531	Music of the Renaissance Era	2
MUS 532	Music of the Baroque Era	2-0
MUS 533	Music of the Classical Era	2
MUS 534	Music of the 19th Century	2
MUS 535	Contemporary Music	2
Terminal Requirements		
Select one Terminal Option		
MUS 689 & MUS 690A	Terminal Project Preparation and Thesis	6
or MUS 690C	Lecture-Recital	
MUS 683 & MUS 684	Special Studies in Music Education and Special Studies in Music Education	6-0

Terminal Options

Thesis – extended research on a theoretical subject. Enrollment in MUS 689 is required in the initial semester and MUS 690A Thesis is required in the final semester.

Lecture/Recital – a public performance eighty minutes in length with lecture commentary during the course of the program. Enrollment in MUS 689 is required in the initial semester and MUS 690C Lecture-Recital is required in the final semester.

Non – Thesis – specialized field research reporting accomplishment of an exemplary, innovative school program. Enrollment in MUS 683 Special Studies in Music Education-MUS 684 Special Studies in Music Education is required.

Terminal Examinations

- **Thesis Option** - Oral Examination (including defense of thesis)
- **Lecture/Recital** – Recital Hearing
- **Non-Thesis Option** - Oral Examination
-

Music Performance Concentration

Summary of Graduation Requirements

Subject Area	Credits
Core Courses	11
Concentration and Elective Courses	19
Terminal Option	6
Total Credit Hours	**36**

Core Courses

Code	Title	Credits
MUS XXX	Ensemble (MUS 510)	1
MUS XXX	Ensemble (MUS 511)	1
MUS 540	Analytical Techniques I	3
MUS 541	Analytical Techniques II	3
MUS 590	Introduction to Music Research	3

Concentration and Elective Courses

Code	Title	Credits
CONCENTRATION COURSES		
Emphasis Area Requirements		
Applied Musicianship		
MUS XXX	Private Lessons (MSU 525)	2
MUS XXX	Private Music Lessons (MUS 526)	2
Complete seven credits from the list below:		
Keyboard		
MUS 527	Piano Pedagogy	2
MUS 623	Organ Literature	2
MUS 624	Organ Improvisation and Service Playing	2
MUS 628	Piano Literature	2
Instrumental		
MUS 651	Band Management	2
MUS 685	Teaching Practicum in Brasswinds	2
MUS 686	Teaching Practicum in Woodwinds	2

MUS 687	Teaching Practicum in Strings	2
MUS 688	Teaching Practicum in Percussion	2
Voice		
MUS 520	Voice Pedagogy [Required for Voice students]	2
MUS 629	Graduate Diction and Vocal Literature	3
MUS 650	Choral Techniques	3
Students in all emphasis areas may also choose one of the following as an elective course		
MUS 550	Advanced Choral Conducting	2
MUS 551	Advanced Instrumental Conducting	2
MUS 620	Seminar in Performance and Repertoire	2
Music History Electives		
Select two of the following:		
MUS 531	Music of the Renaissance Era	2
MUS 532	Music of the Baroque Era	2
MUS 533	Music of the Classical Era	2
MUS 534	Music of the 19th Century	2
MUS 535	Contemporary Music	2
Terminal Requirements		
MUS 689	Terminal Project Preparation	3
Select one terminal option		
MUS 690A	Thesis	3
MUS 690B	Recital	3

Recital Hearing

The student will present recital work to a panel of graduate faculty a minimum of 30 days prior to the scheduled recital.

Terminal Option

Recital – a public performance sixty minutes in length.

Lecture/Recital – a public performance eighty minutes in length with lecture commentary during the course of the program.

Music Theory/Composition Concentration

Graduation Requirements

Subject Area	Credits
Core Courses	11
Concentration and Elective Courses	19
Terminal Option	6
Total Credit Hours	**36**

Core Courses

Code	Title	Credits
MUS XXX	Ensemble (MUS 510)	1
MUS XXX	Ensemble (MUS 511)	1
MUS 540	Analytical Techniques I	3
MUS 541	Analytical Techniques II	3
MUS 590	Introduction to Music Research	3

Concentration and Elective Courses

Code	Title	Credits
Emphasis Area Requirements		
Applied Musicianship		
MUS XXX	Private Lessons (MUS 521)	2
MUS XXX	Private Lessons (MUS 522)	2
Select one elective from the list below:		
Keyboard		
MUS 527	Piano Pedagogy	2
MUS 623	Organ Literature	2
MUS 624	Organ Improvisation and Service Playing	2
MUS 628	Piano Literature	2
Instrumental		
MUS 651	Band Management	2
MUS 685	Teaching Practicum in Brasswinds	2
MUS 686	Teaching Practicum in Woodwinds	2
MUS 687	Teaching Practicum in Strings	2
MUS 688	Teaching Practicum in Percussion	2
Voice		
MUS 520	Voice Pedagogy	2
MUS 629	Graduate Diction and Vocal Literature	3
MUS 650	Choral Techniques	3
Students in all emphasis areas may also choose one of the following as an elective course:		
MUS 550	Advanced Choral Conducting	2
MUS 551	Advanced Instrumental Conducting	2
MUS 620	Seminar in Performance and Repertoire	2
Theory/Composition Requirements		
MUS 546	Orchestration	2
MUS 642	Theory Pedagogy	2
MUS 643 & MUS 644	Composition Seminar I and Composition Seminar II	4
MUS 645	Counterpoint and Fugue	3
Music History Electives		
Choose one of the following:		
MUS 531	Music of the Renaissance Era	2
MUS 532	Music of the Baroque Era	2
MUS 533	Music of the Classical Era	2
MUS 534	Music of the 19th Century	2
MUS 535	Contemporary Music	2
Terminal Requirements		
MUS 689	Terminal Project Preparation	3
Select one terminal option		
MUS 690A	Thesis	3
MUS 690C	Lecture-Recital	3

Terminal Options

Thesis – extended research on a theoretical subject. Enrollment in MUS 690A Thesis is required in the initial semester.

Composition – an original work in three or more extended movements for four or more instruments or a work for a large chorus and/or ensemble as approved by the advisor. A lecture on the composition/s is given. Enrollment in MUS 690A Thesis.

Terminal Examinations

- **Thesis Option** – Oral Examination (including defense of thesis)
- **Composition Option** - Written Examination

Visual Studies, M.F.A.

Mr. Solomon Isekeije
Program Coordinator
(757) 823-8844

Program Description

The Master of Fine Arts Program in Visual Studies, offered at Norfolk State University, is a unique program which provides highly motivated and mature students with an intensive, multifaceted educational experience in the visual arts. The Master of Fine Arts in Visual Studies (M.F.A.), the terminal professional degree in Fine Arts, is usually completed in two and one-half years or more depending on the candidate's academic pace. Study for the M.F.A. culminates in a solo graduate exhibition, written thesis documentation, and an oral defense of the candidate's work.

Path to the Degree Completion

At the end of the first year of study (12-18) credit hours, a mandatory General Review is facilitated by the graduate faculty. Based on the result of the review process, the faculty determines whether the student will continue in the graduate program or is terminated from the program. At the end of the first year of study, the graduate faculty will conduct a Continuance and Candidacy Review. Based on the result of the Continuance and Candidacy Review process, the faculty will determine whether the student continues in the graduate program as a degree candidate or is terminated from the program. If continuance is recommended, candidacy for the Master of Fine Arts degree will be indicated. The faculty's decision will be submitted in written form to the student, signed by the student's advisory committee and the program coordinator.

Final degree requirements include the following:

- A solo exhibition of work completed during the program. This exhibition is presented to the public in a professional art venue in the Hampton Roads area. The student is responsible for securing the venue, selecting the work, hanging the show, creating exhibition announcements and all publicity as well as organizing a reception.
- The student writes a thesis based on his/her area of inquiry. This comprehensive work includes a literary review and visual documentation of work color photographs of the works, or a visual format best suited to the nature of the work. This becomes a permanent record of the student's work while matriculating in the program.
- The graduate committee conduct an oral examination covering issues raised in the thesis document and thesis exhibition.

Graduation

Students should refer to the academic calendar published on Norfolk State University's website concerning deadlines for graduation, procedures for applying for graduation, fees, etc. Application for graduation must be in the department. For additional information, students should contact:

Graduate Program Coordinator
Department of Visual Studies and Performing Arts
Norfolk State University
700 Park Avenue
Norfolk, Virginia 23504

Phone: (757) 823-8844
Fax: (757) 823-2186
sriekeije@nsu.edu

Timeline

The Master of Fine Arts degree has a limit of seven years for completion from the date of entry.

CURRICULUM

Degree Requirements

The Master of Fine Arts degree requires a minimum of 60 credit hours, including 27 hours in graduate studio, 12 hours in related academics, nine hours in graduate seminars, six hours in directed field experience appropriate to the student's professional goals, and six hours in documentation (including the solo exhibition).

Masters of Fine Arts (MFA)

The credit hours will be divided in the following manner:

Subject Area	Credits
Graduate Studio	27
Courses in Related Academics	12
Directed Field Experience	6
Graduate Seminars	9
Documentation (Including Solo Exhibition)	6
Total Credit Hours	**60**

Course	Title	Credits
First Year		
Choose 9 credits from 500 level Graduate Studio or Tutorial Special Problems		
FIA 535	Painting: Group Studio	3
FIA 561	Printmaking Studio	3
FIA 597A	Tutorial Work/Special Studies	3
	Credits	**9**
	Total Credits	**9**

Students must earn at least a B (3.00) in all courses used to fulfill the graduate class requirements.

Letter grades of "I" in Studio Courses, Seminars, Topics Courses, and Art History Courses

At the end of the semester, a professor of the Visual Studies Program may assign a grade of "I" (Incomplete) when the instructor deems such a grade to be appropriate and believes that circumstances warrant an extension of the student's coursework. Such a decision is completely at the discretion of the individual professor, and in this regard the professor's decision is final.

If an "I" grade is assigned, the professor will set the conditions for its removal in writing. The student is then entirely responsible for its timely removal. In order to receive a passing grade, the student must complete the requirements for the removal by the date established with the professor no later than the end of the next academic year. Otherwise, the "I" grade will be converted to a failing grade by the instructor or the University Registrar.

Code	Title	Credits
FIA 701	Thesis Exhibition	3
FIA 702	Graduate Exhibition	3

FIA 701 Thesis Exhibition

A student enrolling for FIA 701 Thesis Exhibition Documentation and Thesis may be eligible to receive a grade of "I" if the student is unable to complete the thesis or documentation during a single semester. Students are encouraged to complete this requirement in a timely manner, but the program also recognizes that more than a single semester of work may be necessary for students to complete a comprehensive thesis statement or comprehensive documentation. In each case, the student's major advisor and advisory committee will be entirely responsible for determining whether assigning an "I" is appropriate. If all other coursework is completed, the student must enroll in FIA 750 Continuing Registration while finishing his/her thesis documentation. The thesis must be complete and approved by the student's graduate committee before the thesis exhibition is mounted and oral examination is completed.

FIA 702 Graduate Exhibition

This is a comprehensive solo exhibition and the culmination of the graduate experience. The thesis exhibition provides evidence of the student's professionalism, maturity and conceptual development. The exhibition may be held on campus, but students are also urged to find suitable professional venues off-campus.

A student enrolling for FIA 702 Graduate Exhibition may be eligible to receive a grade of "I" if the student is unable to complete the body of work necessary for mounting a comprehensive graduate exhibition in a single semester. Students are encouraged to complete the exhibition requirement in a timely manner, but the program recognizes that the scheduling for exhibitions sometimes makes the completion of the requirement in a single semester impossible. In each case, the student's major advisor and advisory committee will be entirely responsible for determining whether assigning an "I" is appropriate. If all other coursework is completed, the student must enroll in FIA 750 Continuing Registration Continuing Registration while preparing for the exhibition.

All students must take FIA 610 Graduate Seminar, which is a course with changing art criticism topics. The remainder of the graduate seminar requirement may be fulfilled by FIA 695 Graduate Seminar: Contemporary Art (another series of changing contemporary topics) and FIA 610A Graduate Seminar.

Upon completion of 12-18 hours of graduate work, each student will present a selection of work to the faculty for discussion and evaluation as part of a general review. After completing this general review, a major advisor and two advisory committee members are selected for the student, after consultation with the student by the program coordinator.

The resulting advisory committee will then invite additional faculty members to complete a committee to assess the Continuance and Candidacy Review. The committee will decide the continuance status of the student after the CC Review and include appropriate explanations of its decision.

M.F.A. candidates must register for FIA 701 Thesis Exhibition during the final semester of study. By review of the student's work, the advisory committee will determine the nature of the required documentation.

The student's advisory committee will then submit the documentation requirements, in writing, to the student and the program coordinator.

Each student is required to enroll in FIA 702 Graduate Exhibition during the final semester of study. For this requirement, the student will present a public exhibition of work.

The student's thesis committee composed of the major advisor and two faculty of the advisory committee will be responsible for evaluating all preparation and work done for FIA 701 Thesis Exhibition-FIA 702 Graduate Exhibition. The committee will submit its recommendations and grade assignments for each course to the student and the program coordinator.

The committee will conduct an oral defense and assess the quality of the final exhibitions.

Admissions

Requirements

The applicant must have 3.0 GPA in their undergraduate degree and must have completed 36 credit hours (or its equivalent) in studio art and 12 hours in art history at the undergraduate level. Additionally, applicants must submit a portfolio, which indicates creative ability, evidence of a developing focus, innovative techniques, and a capacity for growth. Admission to the program is competitive with a limited number of spaces available. Indication of the ability to work independently is important. Three letters of reference and a statement addressing the student's background and professional goals must accompany the portfolio. There is no GRE test required in the Visual Studies Program.

Application Deadline

The priority deadline for application to the Master of Fine Arts Graduate Program in Visual Studies is May 1 for fall and November 1 for spring. All application materials must be complete and received at Norfolk State University on or before the deadline to ensure a decision for the subsequent semester. Applications received after these deadlines may be deferred to the next semester. Enrollment in the program begins the semester following admission. Applications are available online (https://nsu.elluciancrmrecruit.com/Admissions/Pages/welcome.aspx) Please upload all supporting documents.

Application Review

The admission committee, composed of graduate faculty and the graduate coordinator, will review the portfolios of all applicants, and the decision of the committee will be communicated in writing to the Dean of the School of Graduate School and Research and then to the applicant.

A completed application file includes the following:

1. Completed admissions application.
2. A non-refundable application fee.
3. Three letters of recommendation from faculty members, or persons familiar with the applicant's interest and ability in art.
4. A portfolio of 10-20 representative examples of the applicant's work– three dimensional work should have two views each. Each piece of work should be labeled with the, title of the work, medium, date, and numbered in the order in which it is to be viewed. A list should also be included which corresponds to the numerical ordering. The list must include the title of each work, medium, dimensions of work, and date completed.

5. One transcript from each college and/or university previously attended An unofficial transcript can be uploaded for admission's decisions but an official transcript is required if admitted prior to enrolling in courses.
6. A written statement, not to exceed four (4) pages, describing background and professional goals expected from this program.

Transfer Credit

Transfer credit will be considered at the time of admission. Applicants desiring graduate transfer credit must submit a written request along with transcripts of the courses for which transfer credit is desired and the request must accompany the initial entry application. A maximum of 12 credit hours may be transferred into the program.

Non-Degree Status

The policy on non-degree status is in accord with the University's policy as stated under General Policies and Procedures. Should the student apply for formal admission into the program, credit for courses already taken will be treated the same as transfer credit. A maximum of 12 hours is transferable.

COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY

Dr. Michael Keeve, Dean
(757) 823-8180

Dr. Mustaq A. Khan, Associate Dean
(757) 823-2821

The College of Science, Engineering, and Technology is a dynamic school. It has been, and remains, a major force for change within the University as an innovator and initiator of most of the high demand and high technological programs on campus. It is represented by a wide array of course selections in eight (8) major areas:

- Computer Science,
- Engineering,
- Health Sciences,
- Mathematics,
- Natural and Applied Sciences,
- Nursing,
- Naval Science, and
- Technology.

Through the initiative of Norfolk State University's president, the College has also embarked upon a program for excellence in science called the Dozoretz National Institute for Mathematics and Applied Sciences (DNIMAS). The Institute accepts only exceptionally prepared students. Entrance into the Institute is through special application. The school commits to accountability in providing excellence in instruction through departmental programs which integrate communication, mathematics, science, technology, and professional concerns while addressing a wide spectrum of individual needs and abilities. The overall mission of the College of Science, Engineering, and Technology is as follows:

1. To develop humanistic and competent professionals who can serve as science and technology specialists and healthcare providers.
2. To apply state-of-the-art scientific research and technological know-how to the problems and needs of the region and the nation.
3. To foster scholarship and leadership in the sciences, in technology, in engineering, and in health professions in the community.

Organization of the School

The courses offered by the College of Science, Engineering, and Technology are organized into departments, which sponsor a wide array of possibilities for students. The following departments are included:

- Department of Biology Department of Chemistry Department of Computer Science Department of Engineering Department of Mathematics
- Department of Nursing and Allied Health
- Department of Physics
- Department of Technology

Degrees Offered

The College of Science, Engineering, and Technology offers programs terminating at the associate, baccalaureate, master, and doctoral degree levels.

Science, Engineering and Technology Departments

- Computer Science (p. 70)
  - Computer Science, M.S. (p. 74)
  - Cybersecurity, M.S. (p. 80)
- Engineering (p. 85)
  - Electronics Engineering, M.S. (p. 86)
- Materials Science (p. 90)
  - Materials Science and Engineering, Ph.D. (p. 91)
  - Materials Science, M.S. (p. 94)
- Nursing and Allied Health (p. 97)
  - Health Informatics, M.H.I. (p. 99)
  - Healthcare Administration, M.H.A. (p. 98)

Computer Science

Dr. Felicia Doswell, Department Head (I)
(757) 823-9454

Formed in 1990, the Norfolk State University Department of Computer Science was designed to provide students with fundamental training in the theoretical and practical aspects of computer science and information technology. The department offers a general computer science degree and options in Information Assurance, Information Systems and Computer Engineering. This wide range of options gives students the opportunity to pursue studies in Cybersecurity, Robotics, Software Engineering, Computer Networking, Web Design and Development.

The Bachelor of Science degree in Computer Science at Norfolk State University is accredited by the Computing Accreditation Commission of ABET, https://www.abet.org (https://www.abet.org/), under the General Criteria and the Computer Science Program Criteria.

The Department of Computer Science offers the B.S. Degree in Computer Science, which includes the following specialty areas:

- Computer Science (General Program)
- Computer Engineering
- Information Systems
- Information Assurance

The program addresses a number of career opportunities within the curriculum. The Computer Engineering option is suitable for students who are interested in the design and implementation of hardware. The Information Systems option qualifies students for employment in business environments. The Information Assurance option is suitable for students who have an interest in securing the nation's critical infrastructure from terrorists, hackers, criminals and other individuals intending harm against the nation and its people.

The Department of Computer Science also offers the B.S. degree in Information Technology. The BS.ITE program aims to provide graduates with the skills and knowledge to take on appropriate professional positions in information technology upon graduation and grow into leadership positions or pursue research or graduate studies in the field. This option is suitable for students who are interested in information technology applications especially networking, web design and management.

The Department of Computer Science offers two graduate programs: a Master of Science Degree in Computer Science and a Master of Science Degree in Cybersecurity. The Master of Science degree in Computer Science was initiated in August 2003.

This degree program has a general computer science concentration as well as concentrations in information assurance and communication networks. The Master of Science degree in Cybersecurity was started in 2015. The purpose this program is to produce professionals who will manage, maintain, and integrate cybersecurity in organization settings. The M.S. in Cybersecurity is designed to focus on computer security and to increase the pool of well-educated security professionals. Theory and practical training will be combined with critical thinking and communication skills that are required by professionals in the cybersecurity field. Students will be prepared to apply their knowledge to defend against cyber threats directed toward the USA. In addition, students will be prepared to provide needed cybersecurity services to US agencies and organizations. Students will not only be trained to defend against cybersecurity attacks but also to use digital forensics to identify attackers.

Computer Science Programs

- Computer Science, M.S. (p. 74)
- Cybersecurity, M.S. (p. 80)

Computer Science Courses

Computer Science

CSC 521 Database Principles and Design (3 Credits)
An introductory course emphasizing the basic concepts and principles of database systems. Topics include relational, hierarchical, and network approaches to data organization.

CSC 530 Data Communication (3 Credits)
This course focuses on the basic principles of computer communication, hardware, and software design. Topics include transmission media, data encoding, transmission techniques, protocols, switching networks, broadcast networks, and local area networks.

CSC 535 Computer Security I (3 Credits)
This course is designed for IT professionals to learn computer and network security theories and practices that can be used to significantly reduce the security vulnerability of computers on internal networks or the Internet. Topics include cryptography, program security, operating systems security, database security, network security, security administration, computer ethics, and legal issues.

CSC 555 Management of Information Security (3 Credits)
This course is designed for Security System Administrators and Managers responsible for designing, planning, and managing security installations in Business and Government Institutions. Topics include management of information security, security planning, security protection (technical and procedural), best practices, risk management, operations security, legal issues, and certification and accreditation.

CSC 564 Operating Systems (3 Credits)
Topics include the history and evolution of operating systems, the concepts behind and structure of various operating systems, process scheduling, inter-process communication, input and output, multiprogramming, memory management, and file systems. Concepts of distributed operating systems are also introduced.

CSC 566 Advanced Computer Topics I (3 Credits)
This course covers advanced computer topics not covered in the curriculum. Designed as a Computer Science elective, not as a replacement for any specific required course.

CSC 567 Advanced Computer Topics II (3 Credits)
This course covers advanced computer topics not covered in the curriculum. Designed as a computer science elective, not as a replacement for any specific required course.

CSC 570 Artificial Intelligence (3 Credits)
This course offers an in-depth study of concepts and problem-solving techniques of artificial intelligence. Topics include knowledge representation, functional and logic programming, machine learning, natural language understanding, computer vision, robotics, and societal impact.

CSC 571 Game Design and Development (3 Credits)
This course introduces students to game design and development concepts. Topics include the history of games, genres, play elements, story and character development, game play and storyboard design, level and user interface design, and the game design document.

CSC 572 3D Game Programming (3 Credits)
This is a project-oriented course on 3D game programming. Students will work in teams to design, implement and test a three-dimensional game with interactivity, game state diagram, animation, sound, and constraints. Students will also learn the basics of graphic design and animation.

CSC 573 Modeling and Simulation (3 Credits)
This course introduces students to the major areas of simulation and the languages and systems used in these areas. Areas of simulation covered include gaming, military, health, network, business processes, and transportation. The types of simulation software discussed include process oriented, discrete event oriented, general purpose, and simulation environments.

CSC 576 Advanced Computer Topics III (3 Credits)
This course covers advanced computer topics not covered in the curriculum. Designed as a computer science elective, not as a replacement for any specific required course.

CSC 577 Advanced Computer Topics IV (3 Credits)
This course covers advanced computer topics not covered in the curriculum. Designed as a Computer Science elective, not as a replacement for any specific required course.

CSC 580 Computer Graphics (3 Credits)
This course focuses on interactive computer graphics hardware and software: display devices, 2D and 3D geometric transformations, raster algorithms, representation of curves and surfaces, hidden line removal and surfaces, shading algorithms, and color graphics.

CSC 593 Systems Programming (3 Credits)
Fundamentalsa ofa systema anda networka programming methodology, techniques, system calls, and library calls.

CSC 596 Compiler Construction (3 Credits)
An introduction to the fundamentals of compiler construction and language translation. Topics include lexical analysis, specifications of syntax, algorithms for syntactic analysis, code generation, and optimization techniques.

CSC 611 Machine Learning (3 Credits)
Machine learning is a subfield of artificial intelligence concerned with the design, analysis, implementation, and applications of programs that learn from experience. This course is about learning to extract statistical structure from data for making decisions, predictions, and visualizations. It gives in-depth coverage of advanced methods in machine learning, emphasizes approaches with practical relevance, and discusses a number of recent applications of machine learning.

CSC 612 Computational Science (3 Credits)
This course provides students with an overview of applications of computational skills needed to solve scientific research problems. The computational skills in review include programming languages, algorithms, database implementation, internet technologies, data visualization, statistics, modeling and simulation, and operations research.

CSC 625 Analysis of Algorithms (3 Credits)
This course covers the design and analysis of algorithms. Topics include Turing machines; NP-complete theory; best, average, and worst-case analysis; divide-and-conquer; greedy method; dynamic programming; graph traversal; backtracking and branch-and bound techniques. The course also covers sorting, searching, graph algorithms, and optimization.

CSC 630 Computer Networks (3 Credits)
This is an advanced graduate-level course focusing on the concept of internetworking in general and the TCP/IP Internet technology in particular. The course reviews both the architecture of network interconnections and the principles underlying protocols that make interconnected networks function as a single, unified communication system. It also covers how an internet communication system can be used for distributed computation and communication.

CSC 635 Computer Security II (3 Credits)
This course is an advanced course in Computer Security. It covers topics of current interest in Information Assurance. Topics to be covered include Digital Forensics, Intrusion Detection, Steganography, Security Usability, Cloud Computing, and Wireless Security.

CSC 650 Cryptography (3 Credits)
Study of historical and modern cryptographic techniques and algorithms. Topics include symmetric and asymmetric key cryptography, one-way functions, secure hash functions, digital signatures, key exchange, authentication, key management, PKI, DES, AES (Rijndael), and current topics.

CSC 660 Parallel Computing (3 Credits)
Study of high-performance computing techniques. Includes the study of parallel computer architecture, memory, and I/O. Also, parallel computer algorithms to include shared and distributed memory, parallel computation models, graph algorithms, numerical algorithms, and divide-and-conquer will be covered.

CSC 668 Advanced Computer Architecture (3 Credits)
Principles and advanced topics of the instruction set architecture for uni-processors, embedded system processor, and multi-processor.

CSC 672 Digital Forensics (3 Credits)
This course focusses on cutting-edge topics in Digital and Network Forensics. It introduces students to the applicable laws and ethical responsibilities of a digital forensics professional, the technical skills required, and open research problems in digital forensics. The course includes lectures, discussions, and demonstrations. It is designed around a virtual lab environment that provides robust and realistic hands-on experiences in dealing with a range of digital forensics topics.

CSC 678 Scientific Visualization (3 Credits)
Fundamental concepts of the algorithms and design principles underlying modern 3D computer graphics and data and scientific visualization.

CSC 691 Graduate Independent Study I (3 Credits)
Supervised independent project designed to give computer science graduate students an opportunity to explore a single topic in a one-to-one learning relationship with a faculty member.

CSC 697 Ethical Hacking and Penetration Testing (3 Credits)
An in-depth study of the practical aspects of computer security including the study of common security vulnerabilities in a laboratory setting.

CSC 701 Continuing Registration (1-9 Credits)
A one-credit-hour course that allows students to maintain continuous registration status. Does not count towards the MS.CSC degree credits.

CSC 702 Practicum (1 Credits)
A one-credit-hour course that allows students to apply their skills in a work setting. The credit earned through this course will not be counted towards MS.CSC degree credit. A student can take this course and repeat it up to three times when s/he is away from campus on outside employment for internship or practical training in a related technical field. This is a Pass/Fail course.

CSC 703 Graduate Research (3-9 Credits)
This course provides an opportunity to learn how to conduct research through practical experience with a research advisor. It exposes students to a subset of the following tasks based on the student's knowledge of research activities: development and implementation of a research topic, reviewing technical literature for relevancy to research topics, writing status reports, writing technical reports or papers of conference submission quality, attending and making technical presentations.

CSC 720 Wireless Sensor Networks (3 Credits)
An advanced, graduate-level course focusing on the study of wireless sensor networks from communications, security, and computing platform viewpoints.

CSC 730 Advanced Topics in Networking (3 Credits)
Optical networks, dynamic spectrum access in wireless networks, cognitive radio networks, network coding, and other newly emerged networking technologies are covered. Optical Network topics include WDM network elements, routing and wavelength assignment algorithms, blocking probability analysis, virtual/physical topology design, survivability, and IP over WDM. Other topics include enabling technologies for cognitive radio, channel assignment/selection, routing, security, and spectrum management.

CSC 745 Network Defense (3 Credits)
Focuses on network defense and countermeasures, including firewalls, intrusion detection and prevention systems, virtual private networks.

CSC 750 Evolutionary Computing (3 Credits)
The course covers the fundamentals of applying biological evolutionary characteristics to optimization of very complex problems.

CSC 755 Cloud Computing (3 Credits)
A one-semester graduate-level course focusing on cloud computing technologies and solutions. It is designed to give students a solid foundation in cloud computing fundamentals. The course covers both the conceptual and practical aspects of cloud computing.

CSC 760 Secure Software Development (3 Credits)
Introduction to core concepts and the latest research trends and results in developing secure software. Topics include the best practices in developing secure software within Software Development Lifecycle (SDLC), vulnerability assessment, and code analysis techniques.

CSC 765 Advanced Topics in Information Assurance (3 Credits)
This course covers state-of-the art advances, emerging trends, and threats in cybersecurity. Topics to be covered include current topics in Information Assurance, advanced digital forensics, new approaches to management of cybersecurity and new threats, vulnerabilities and controls.

CSC 781 Advanced Graduate Computer Topics I (3 Credits)
Advanced computer topics that are not generally covered in the graduatea600/700 levela curriculum.aDesignedaas a Computer Science graduate elective, not as a replacement for any core course.

CSC 782 Advanced Graduate Computer Topics II (3 Credits)
Advanced computer topics that are not generally covered in the graduatea600/700 levela curriculum.aDesignedaas a Computer Science graduate elective, not as a replacement for any core course.

CSC 791 Graduate Independent Study II (3 Credits)
Supervised independent project designed to give computer science graduate students an opportunity to explore a single topic in a one-to-one learning relationship with a faculty member.

CSC 795 Master's Project (3 Credits)
Guided master's research project under the supervision of a research project advisor and the course instructor; requires extensive expository work and other tasks and a formal project report with a public presentation of the project's work.

CSC 798 Master's Thesis I (3 Credits)
First semester of the master's thesis sequence. Under the supervision of the thesis advisor, students prepare a thesis proposal and work toward the goal of completing all background material needed for their research. A satisfactory thesis draft and presentation to the committee will be used to satisfy completion of the course.

CSC 799 Master's Thesis II (3 Credits)
The culmination of the two-semester master's thesis sequence. Students must complete a thesis document and defend the work in a public presentation to their committee.

Cybersecurity

CYS 564 Secure Operating Systems (3 Credits)
This course introduces students to Operating Systems with emphasis on security. Students will be introduced to the foundations of Operating Systems, the vulnerabilities of Operating Systems, threats from attackers, potential harm that can be caused by attacks, defense, and risk mitigation. The notion of a trusted Operating System will be introduced as a standard useful for comparing various Operating Systems.

CYS 573 Network Fundamentals (3 Credits)
This course introduces students to the basics of networks and their functionality, including the Open Systems Interconnection model, network components, local and wide area networks, routers, switches, wireless communication, network security, Internet protocols, and network applications such as web and email. It also covers the fundamentals of configuring and troubleshooting network features on popular computing platforms.

CYS 672 Computer and Network Forensics (3 Credits)
This course introduces students to the fundamentals of digital forensics, including forensic duplication and analysis, network surveillance, intrusion detection and response, incident response, anti-forensics techniques, anonymity and pseudonymity, cyber law, computer security policies and guidelines, court report writing and presentation, and case studies. Students will apply information security practices and technologies in virtual lab environments to gain hands-on experience solving realistic cybersecurity problems.

CYS 688 Human Aspects of Cybersecurity (3 Credits)
This course focuses on the theory and practice of implementing secure database systems. Emphasis will be placed on database security principles, database application security models, database auditing models, security implementation and database reliability.

CYS 697 Ethical Hacking and Penetration Testing (3 Credits)
This course is designed for students pursuing a graduate degree in cyber security with particular interest in working as a white hat hacker. The students will be trained theoretically and practically in understanding vulnerabilities in network architectures, operating systems, database management systems and web servers. They will learn how exploits are designed by an adversary attacker to penetrate into vulnerable systems. The students will also learn how the hacker can move into a hacked system and remove her/his footprints. The course will expose students to a host of tools used for network scanning, finger printing and password cracking. These tools include Nmap, Nessus and Backtrack among others. There will be a thorough discussion on the emerging hack technology for wireless LANs and defenses against them.

CYS 721 Database Security (3 Credits)
This course focuses on the theory and practice of implementing secure database systems. Emphasis will be placed on database security principles, database application security models, database auditing models, security implementation and database reliability.

CYS 755 Healthcare Information Security (3 Credits)
This course is designed for students seeking to learn more about the field of health care information security. It covers the fundamentals of computer and network security theories and practices that can be used to significantly reduce the security vulnerability of health care information on internal networks or the Internet. An in-depth view of health care information is provided by examining health care regulatory requirements and the functions of a health care organization, including its medical business operations, hardware, software, networking, and security. Topics include electronic health records, security policy, web security, database security, security administration, and health care ethics, privacy, and law.

CYS 765 Advanced Topics in Cybersecurity (3 Credits)
This course covers state-of-the art advances, emerging trends, and threats in cybersecurity. Topics to be covered include current topics in Information Assurance, advanced digital forensics, new approaches to management of cybersecurity and new threats, vulnerabilities, and controls.

CYS 795 Cybersecurity Capstone (6 Credits)
This project course is the capstone experience for graduate students in the Master's degree in Cybersecurity. This course provides students with the opportunity to carry out in-depth research on a specified topic in cybersecurity. The student's project will reflect the integration and application of the cybersecurity knowledge gained over the course of the program.

CYS 798 Cybersecurity Capstone I (3 Credits)
This course prepares students for their capstone experience in the Cybersecurity MS degree program. Capstone I provides the opportunity hone the skills needed to accomplish in-depth research and career growth; to choose a specific topic in, cybersecurity as the focus for their research; to identify a CYS faculty advisor who agrees to oversee their capstone project; and to develop a viable research proposal.

CYS 799 Cybersecurity Capstone II (3 Credits)
This course is the capstone experience for graduate students in the Master's degree in Cybersecurity. Capstone provides students the opportunity to carry out in-depth research on a specific topic in cybersecurity under the guidance of a faculty research advisor. The student's project will reflect the integration and application of cybersecurity knowledge and skills gained over the course of the program.

Faculty

Dr. Felicia Doswell, Associate Professor
Networks, security, privacy, internet technology, web performance evaluation, and game design.

Dr. Jonathan Graham Jr., Professor
Computational intelligence, digital forensics, smart intrusion detection systems, cybersecurity research, education and development.

Dr. Cheryl Hinds, Assistant Professor
Wireless Sensor Network Security,Usability Security.

Dr. Mary Ann Hoppa, Assistant Professor
Information visualization, metrics, microlearning, knowledge management, “hard problems” in cybersecurity, and wearable technology.

Dr. George Hsieh, Professor
Networking, network security, information assurance, communication systems and applications.

Dr. Yen-Hung Hu, Associate Professor
Network Security, Secure Programming, IT Compliance and Trustworthy Computing

Dr. Thorna Humphries, Associate Professor and Graduate Program Director
Software engineering, data management, computer science education, and security.

Dr. Samuel Olatunbosum, Associate Professor
Cybercrime and internet security, cloud computing efficiency, and societal impact of social networks.

Dr. Claude Turner, Associate Professor
Security and privacy in wireless and data networks, Digital Forensics, Resource impact of security, Computer Science and Cyber Security Education.

Dr. Luay Wahsheh, Associate Professor
Computer security, information assurance, wireless network security, software security, and database security.

Dr. Aurelia T. Williams, Professor
Information assurance, computer forensics, network security, data communications, and computer science education.

For more information contact the Graduate Program Coordinator:

Dr. Rasha Morsi
Computer Science Department Norfolk State University
(757) 823-0047
csgrad@nsu.edu | http://www.cs.nsu.edu

Computer Science, M.S.

Dr. Rasha Morsi, Program Coordinator
(757) 823-0047
csgrad@nsu.edu | http://www.cs.nsu.edu

Program Mission:

The computer science (CS) graduate program provides a quality CS education to students, especially those from underrepresented populations, by strengthening their leadership, analytical, and research skills to empower them to fulfill their career aspirations and to become productive computer science professionals.

The Master of Science (M.S.) degree requires 30 graduate credit hours of course work including a thesis (6 credits), or 33 graduate credit hours of course work including a project (3 credits). All degree requirements must be completed within four calendar years. No more than twelve (12) graduate credits may be transferred from other graduate schools. Full-time students starting with a B.S. degree in Computer Science should expect to take 1-1/2 to 2 years to complete the Master of Science degree. Students in the accelerated online program should expect to take one (1) year to complete the M.S. degree.

There are four tracks of study:

1. Computer Science*
2. Emphasis in Information Assurance
3. Emphasis in Data Science and Machine Learning
4. Emphasis in Communication Networks

*This track is also offered as an **accelerated online** program for project students only.

STANDARD M.S. PROGRAM

The M.S. program requires 30-33 graduate credit hours of course work including a thesis or a project. The 30 credits for the thesis track and 33 credits for project track which include 12 credits of core courses for all students. Thesis students need 12 elective course credits and 6 thesis credits. Project students need 18 elective credits and 3 project credits. All degree requirements must be completed within four calendar years.

Full-time students with a B.S. degree in Computer Science or related field should expect to complete the M.S. degree with thesis in 2 years and project in 1-1/2 to 2 years years. A cumulative GPA of 3.0/4.0 is required for graduation.

ACCELERATED ONLINE PROGRAM

The Accelerated Online program is designed for the adult learner, especially working professionals who wish to further their skills in an online format for students interested in Computer Science. Courses are offered in 7-week formats that allow flexibility to take one or two courses per term. Students can complete their degree in 12-months. For more information on this option see our website (https://online.nsu.edu/degrees/technology/masters-computer-science/general/).

B.S./M.S. ACCELERATED PROGRAM

The Accelerated Master of Science in Computer Science program allows promising students enrolled in the BS in Computer Science program, including any of its tracks, to gain admission to the Accelerated Master of Science program in Computer Science at Norfolk State University. Students that meet the eligibility requirements can enter the program, and upon designation of Junior standing in the Computer Science curriculum, can take any 500-level course with subject designation CSC for dual-credit toward the BS and MS degree programs. A maximum of 12 credits may be dual-counted toward the BS and MS degree requirements. Upon completion of the Accelerated Master of Science in Computer Science program, students will have earned the BS in Computer Science and the MS in Computer Science degrees. The dual-counted courses allow completion of the combined degrees on an accelerated time-scale.

How to Apply

Contact the Graduate Program Coordinator, Dr. Rasha Morsi at rmorsi@nsu.edu.

Program Goal

To graduate students who are prepared to work in a computer science-related field or to enroll in a doctoral program in a computer science-related discipline, and who demonstrate creativity and innovative problem-solving skills.

Program Learning Outcomes

1. Demonstrate the ability to conduct independent research.
2. Demonstrate knowledge of the body of literature in one or more advance topics in computer science through critically analyzing and evaluating research findings..
3. Apply computing fundamentals in one or more areas of computer science.
4. Demonstrate proficiency in post undergraduate topics in the core areas of ***data communication***, ***operating systems***, ***analysis of algorithms***, and ***advanced computer architecture***.

Application Deadline

The deadline for application to the Master of Science Graduate Program in Computer Science is May 1 of each year for Fall and November 1 for Spring. The Accelerated Online option accepts students six (6) times per year. Information on the Accelerated online program can be found at Online NSU (https://online.nsu.edu/degrees/technology/masters-computer-science/general/).

All application materials must be complete and received at Norfolk State University on or before the deadline. Enrollment in the program begins the semester following admission. Applications are available online (https://nsu.elluciancrmrecruit.com/Admissions/Pages/welcome.aspx). Please upload all supporting documents to include the following:

- CV/Resume
- Personal Statement
- Request form for 3 letters of recommendations
- Unofficial Transcript (An official transcript with your degree conferred is required upon acceptance for admission)

NOTE: The accelerated track has a revolving application process, please see the accelerated program website (https://online.nsu.edu/) for dates.

Admissions

Apply online. Once your application is complete, the departmental Graduate Program Committee will review your package and decide on admission.

Academic Preparation

Students entering the master's in computer science program are expected to have an

- Undergraduate degree from an accredited 4-year college or university in
  - Computer Science, Computer Engineering, or related degree such as Electrical Engineering, and
  - Generally, an overall major GPA of at least 2.8.

B.S./M.S. Degree Requirements

1. Minimum CGPA: 3.0/4.0
2. Minimum CGPA: 3.0/4.0 across all Computer Science courses
3. Enrolled and in good academic standing in BS.CSC (any track)
4. Completion of BS.CSC, BS.CSC.CET, BS.CSC.DNIMAS, BS.CSC.CET.DNIMAS, BS. CSC.SET, or BS.CSC.CYBT curriculum through the third year
   a. Students must have earned at least **89** credits by the semester in which they seek to enroll in any MS.CSC courses
5. Personal Statement of motivation and career objectives (1 page)
6. Resume to include experience and qualifications
7. Letter of Reference from one (1) CS, Engineering, Science or Mathematics Faculty

International Students

For international students, an official evaluated transcript is required for the application to be considered complete.

English Proficiency

To meet the English Proficiency requirement for admission, a TOEFL score of at least 80 or an IELTS score of at least 6.5 should be achieved. The TOEFL will be waived if a student has completed at least one year of full-time study at a college or university in an English-speaking country.

GRE

GRE scores are required of all applications seeking assistantships and scholarships. GRE scores should be sent to the School of Graduate Studies and Research. Generally, the minimum GRE score required for successful applicants is 152 or better on Verbal, and 155 or better on Quantitative and the Graduate Program Committee may waive the GRE requirement if an applicant majored in computer science or computer engineering and has a GPA of 3.2 or higher in computer courses.

Financial Assistance

Financial assistance is available for graduate work and can include standard federal and state financial aid. There may be a limited number of teaching, research, and laboratory assistantships (TA, RA, and LA) awarded each year.

Renewals of TA, RA, and LA awards are not automatic and are subject to annual review and availability of funding. The length of support does not exceed two academic years with one intervening summer (5 semesters total).

COMPUTER SCIENCE CURRICULUM

Summary of Graduation Requirements

Students completing a thesis will complete 30 credit hours and students completing a project will complete 33 credit hours.

Subject Area	Credits
Core Courses	12
Major Requirements	18-21
Total Credit Hours	**30-33**

Curriculum

Code	Title	Credits
Core Courses		**15-18**
CSC 530	Data Communication	
CSC 564	Operating Systems	
CSC 625	Analysis of Algorithems	
CSC 668	Advanced Computer Architecture	
CSC 798 & CSC 799	Masters Thesis I and Masters Thesis II	
or CSC 795	Masters Project	
Electives		**12-18**
Thesis students take 12 credits of elective courses; Project students take 18 credits of elective courses.		
CSC 571	Game Design and Development	
CSC 572	3D Game Programming	
CSC 573	Principals of Modeling and Simulation	
CSC 576	Advanced Computer Topics III	
CSC 577	Advanced Computer Topics IV	
CSC 580	Computer Graphics	
CSC 593	Systems Programming	
CSC 596	Compiler Construction	
CSC 611	Machine Learning	
CSC 612	Computational Science	
CSC 630	Computer Networks	
CSC 635	Computer Security II	
CSC 650	Cryptography	
CSC 660	Parallel Computing	
CSC 678	Scientific Visualization	
CSC 691	Graduate Independent Study I	
CSC 720	Wirless Sensor Networks	
CSC 730	Advanced Topics in Networking	
CSC 745	Network Defense	
CSC 755	Cloud Computing	
CSC 750	Evolutionary Computing	
CSC 760	Secure Software Development	
CSC 765	Advanced Topics in Information Assurance	
CSC 781	Advanced Graduate Topics I	
CSC 782	Advanced Graduate Computer Topics II	
CSC 791	Graduate Independent Study II	

Tracks

Information Assurance

Code	Title	Credits
CSC 535	Computer Security I	3
CSC 555	Management of Information Security	3
CSC 635	Computer Security II	3
CSC 650	Cryptography	3
CSC 745	Network Defense	3
CSC 760	Secure Software Development	3
CSC 765	Advanced Topics in Information Assurance	3-0
Total Credits		**21-18**

Communication Networks

Code	Title	Credits
CSC 530	Data Communication	3
CSC 630	Computer Networks	3-0
CSC 720	Wirless Sensor Networks	3
CSC 730	Advanced Topics in Networking	3-0
CSC 745	Network Defense	3
CSC 782	Advanced Graduate Computer Topics II	3-0
Total Credits		**18-9**

Data Science and Machine Learning

The Data Science and Machine Learning track at Norfolk State University equips students with the skills needed to organize, collect, analyze, and draw inferences from large unstructured and structured data sets. Graduates of this track will master the theory, algorithms and state-of-the-art tools used by professionals for collecting, mining, and analyzing large data sets. Graduates also will learn the skills needed to clearly communicate results make recommendations based on those results.

Requirements:

All students taking this track are required to take CSC 611 and CSC 614

- Thesis students are required to take at least 2 more courses from the list
- Project students are required to take at least 4 more courses from the list

Code	Title	Credits
CSC 521	Database Principles and Design	3-0
CSC 535	Computer Security I	3-0
CSC 570	Artificial Intelligence	3-0
CSC 611	Machine Learning	3-0
CSC 612	Computational Science	3-0
CSC 660	Parallel Computing	3-0
CSC 678	Scientific Visualization	3-0
CSC 750	Evolutionary Computing	3-0
CSC 755	Cloud Computing	3-0

PLAN OF STUDY OPTIONS

Option 1 (Thesis)

First Year		Credits
CSC 530	Data Communication	3
CSC 564	Operating Systems	3
CSC 625	Analysis of Algorithems	3
CSC 668	Advanced Computer Architecture	3
CSC XXX	Graduate Elective or Emphasis Course	3
CSC XXX	Graduate Elective or Emphasis Course	3
	Credits	**18**
Second Year		
CSC 798	Masters Thesis I	3
CSC XXX	Graduate Elective or Emphasis Course	3
CSC XXX	Graduate Elective or Emphasis Course	3
CSC 799	Masters Thesis II	3
	Credits	**12**
	Total Credits	**30**

Option 2 (Project)

First Year		Credits
CSC 530	Data Communication	3
CSC 564	Operating Systems	3
CSC 625	Analysis of Algorithems	3
CSC 668	Advanced Computer Architecture	3
CSC XXX	Graduate Elective or Emphasis Course	3
CSC XXX	Graduate Elective or Emphasis Course	3
	Credits	**18**
Second Year		
CSC XXX	Graduate Elective or Emphasis Course	3
CSC XXX	Graduate Elective or Emphasis Course	3
CSC XXX	Graduate Elective or Emphasis Course	3
CSC XXX	Graduate Elective or Emphasis Course	3
CSC 795	Masters Project	3
	Credits	**15**
	Total Credits	**33**

M.S. Accelerated Program

Summary of Graduation Requirements

Subject Area	Credits
Core Courses	12
Major Requirements	21
Total Credit Hours	**33**

Sample Plan of Study (Course Sequence varies based on Start Term)

Course	Title	Credits
First Year		
Fall Mini-Term O		
CSC 530	Data Communication	3
CSC 611	Machine Learning	3

Fall Mini-Term P		
CSC 564	Operating Systems	3
CSC 745	Network Defense	3
Spring Mini-Term O		
CSC 555	Management of Information Security	3
CSC 625	Analysis of Algorithms	3
Spring Min-Term P		
CSC 535	Computer Security I	3
CSC 668	Advanced Computer Architecture	3
Summer Mini-Term O		
CSC 571	Game Design and Development	3
CSC 795	Master's Project	3
Summer Mini-Term P		
CSC 572	3D Game Programming	3
	Credits	**33**
	Total Credits	**33**

BS/MS ACCELERATED PROGRAM

Program Expectations

Accelerated students must:

- maintain required minimum CGPA's overall and in Undergraduate Computer Science courses
- earn a B-grade or higher in all attempted dual-credit courses
- earn the MS degree within two regular semesters of the conferral semester projected at the time of admission to the Accelerated Master of Science in Computer Science program; otherwise, they shall be dismissed from the Accelerated Master's program.
- If a student in the Accelerated Master of Science in Computer Science program has already completed CSC 430 and/or CSC 464 in the undergraduate program, then to fulfill the total credits requirement for the MS.CSC program s/he will be required to take suitable substitutions for CSC 530 and/or CSC 564, subject to approval by the GPC and the School of Graduate Studies as applicable.
- Students dismissed from the Accelerated program may not re-apply to it; however they may:
    - remain eligible to complete any remaining requirements to earn the BS.CSC as applicable;
    - apply for regular admission to NSU graduate programs for which they qualify, including but not limited to MS.CSC.

Summary of Graduation Requirements

Subject Area	Credits
BS Degree Requirements	108-114
MS Core Courses	12
MS Elective Courses	18
Project	3
Total Credit Hours	**141-147**

Dual Credit: Any 500 level courses with subject designation CSC will be eligible for credits in the BS.CSC, BS.CSC.D, BS.CSC.CET, BS.CSC.CET.D, BS.CSC.SET, BS.CSC.CYBT, and BS.CSC.CYBT.D programs. Students must achieve a B grade or higher in the designated 500-level courses to count towards MS.CSC degree requirements. Therefore, total degree requirements range from 141 to 147.

BS.CSC/MS.CSC plan of study

Take 500 level courses as shown below then complete the required and elective courses from the MS.CSC Curriculum.

Course	Title	Credits
Junior		
CSC 292	Unix and C Programming	3
CSC 380	Software Engineering	3
CSC 468	Computer Architecture	3
Science	First Semester Science Sequence	4
MTH 351	Probability & Statistics I	3
CSC 530	Data Communication	3
Elective	Computer Science Elective 300 level or above	3
Humanities	Humanities Elective	3
CSC 275	Fundamentals of Cybersecurity	3
	Credits	**28**
	Total Credits	**28**

Course	Title	Credits
Senior		
CSC 498	Computer Science Seminar I	2
CSC 564	Operating Systems	3
CSC XXX	Graduate Elective	3
CSC XXX	Computer Science Elective 300 level or above	3
Cultural	Social Science Cultural Elective	3
Cultural	Humanities Cultural Elective	3
CSC 499	Computer Science Seminar II	2
CSC XXX	Computer Science Elective 300 level or above	3
CSC XXX	Graduate Elective	3
CSC XXX or MTH XXX	Graduate Elective Mathematics Elective 300 level or above	3
Elective	Free Elective	3
	Credits	**31**
	Total Credits	**31**

BS.CSC.D/MS.CSC PLAN OF STUDY

Take 500 level courses as shown below then complete the required and elective courses from the MS.CSC Curriculum.

Course	Title	Credits
Senior		
APS 410	Applied Science Seminar	0
CSC 530	Data Communication	3
CSC 564	Operating Systems	3
CSC 498	Computer Science Seminar I	2
CSC XXX	Graduate Elective	3
CSC XXX	Comptuer Science or Mathematics Electives 300 level or above	3

Cultural	Humanities Cultural Elective	3
APS 411	Applied Science Seminar	0
CSC 468	Computer Architecture	3
CSC 499	Computer Science Seminar II	2
CSC XXX	Graduate Elective	3
CSC XXX	Comptuer Science or Mathematics Electives 300 level or above	3
Cultural	Social Science Cultural Elective	3
	Credits	**31**
	Total Credits	**31**

BS.CSC.CET/MS.CSC PLAN OF STUDY

Take 500 level courses as shown below then complete the required and elective courses from the MS.CSC Curriculum.

Course	Title	Credits
Senior		
EEE 431	Microcontrollers	3
CSC 275	Fundamentals of Cybersecurity	3
Humanities	Humanities Elective	3
CSC 468	Computer Architecture	3
CSC 498	Computer Science Seminar I	2
Cultural	Social Science Cultural Elective	3
Cultural	Humanities Cultural Elective	3
CSC XXX	Graduate Elective	3
CSC 530	Data Communication	3
CSC 564	Operating Systems	3
CSC 499	Computer Science Seminar II	2
	Credits	**31**
	Total Credits	**31**

BS.CSC.CET.D/MS.CSC PLAN OF STUDY

Take 500 level courses as shown below then complete the required and elective courses from the MS.CSC Curriculum.

Course	Title	Credits
Senior		
APS 410	Applied Science Seminar	0
CSC 530	Data Communication	3
CSC 564	Operating Systems	3
CSC 498	Computer Science Seminar I	2
Cultural	Humanities Cultural Elective	3
ENG 303	Professional & Technical Writing	3
APS 411	Applied Science Seminar	0
EEE 231	Digital Logic Design	3
EEE 231L	Digital Logic Design Laboratory	1
CSC 468	Computer Architecture	3
CSC 499	Computer Science Seminar II	2
Elective	Foreign Language Elective	3
CSC XXX	Graduate Elective	3
Cultural	Social Science Cultural Elective	3
	Credits	**32**
	Total Credits	**32**

BS.CSC.SET/MS.CSC PLAN OF STUDY

Take 500 level courses as shown below then complete the required and elective courses from the MS.CSC Curriculum.

Course	Title	Credits
Junior		
CSC 372	Data Structures	3
ENG 303	Professional & Technical Writing	3
Cultural	Social Science Cultural Elective	3
MTH 351	Probability & Statistics I	3
Science	Second Science and Laboratory Elective	4
CSC 361	Survey of Programming Languages	3
CSC 420	Database Principles and Design	3
CSC 380	Software Engineering	3
CSC XXX	Graduate Elective	3
Humanities	Humanities Elective	3
	Credits	**31**
Senior		
CSC 498	Computer Science Seminar I	2
CSC 564	Operating Systems	3
CSC 485	Software Quality Assurance and Testing	3
CSC 530	Data Communication	3
CSC 486	Software Project Management	3
CSC 499	Computer Science Seminar II	2
CSC 468	Computer Architecture	3
Cultural	Humanities Cultural Elective	3
CSC 488	Distributed Software Systems	3
CSC 487	Engineering Secure Software Systems	3
	Credits	**28**
	Total Credits	**59**

BS.CSC.CYBT/MS.CSC PLAN OF STUDY

Take 500 level courses as shown below then complete the required and elective courses from the MS.CSC Curriculum.

Course	Title	Credits
Junior		
CSC 292	Unix and C Programming	3
CSC 380	Software Engineering	3
CSC 530	Data Communication	3
Science	First Semester of Science Sequence	4
MTH 351	Probability & Statistics I	3
CSC 449	Cryptography and Network Security	3
Humanities	Humanities Elective	3
CSC 420	Database Principles and Design	3
CSC 361	Survey of Programming Languages	3
CSC 535	Computer Security I	3
	Credits	**31**

Senior		
CSC 445	Computer Network Defense	3
CSC 498	Computer Science Seminar I	2
CSC 564	Operating Systems	3
CSC XXX	Graduate Elective	
CSC 313	Network Administration	3
Cultural	Social Science Cultural Elective	3
CSC 468	Computer Architecture	3
CSC 499	Computer Science Seminar II	2
CSC 494	Digital Forensics	3
Cultural	Humanities Cultural Elective	3
	Credits	**25**
	Total Credits	**56**

BS.CSC.CYBT.D/MS.CSC PLAN OF STUDY

Take 500 level courses as shown below then complete the required and elective courses from the MS.CSC Curriculum.

Course	Title	Credits
Junior		
APS 310	Applied Science Seminar	0
CSC 292	Unix and C Programming	3
CSC 361	Survey of Programming Languages	3
MTH 351	Probability & Statistics I	3
CSC XXX	Graduate Elective	3
ENG 285H	Honors Public Speaking	3
APS 311	Applied Science Seminar	0
CSC 372	Data Structures	3
CSC 380	Software Engineering	3
Elective	Foreign Language Elective	3
ENG 303	Professional & Technical Writing	3
PED 100	Fundamentals of Fitness for Life	1
HED 100	Personal and Community Health	2
	Credits	**30**
Senior		
APS 410	Applied Science Seminar	0
CSC 530	Data Communication	3
CSC 564	Operating Systems	3
CSC 498	Computer Science Seminar I	2
CSC 313	Network Administration	3
Cultural	Humanities Cultural Elective	3
APS 411	Applied Science Seminar	0
CSC 468	Computer Architecture	3
CSC 499	Computer Science Seminar II	2
CSC 494	Digital Forensics	3
CSC 449	Cryptography and Network Security	3
Cultural	Social Science Cultural Elective	3
	Credits	**28**
	Total Credits	**58**

MS.CSC PLAN OF STUDY

Code	Title	Credits
CSC 530	Data Communication	3
CSC 564	Operating Systems	3
CSC 625	Analysis of Algorithms	3
CSC 668	Advanced Computer Architecture	3
CSC 5xx or above	Graduate Elective	18
CSC 795	Master's Project	3

Cybersecurity, M.S.

Dr. Mary Ann Hoppa, Program Coordinator
(757) 823-8654
mahoppa@nsu.edu

PROGRAM MISSION

The Master of Science in Cybersecurity (MS.CYB) program seeks to empower graduates from multidisciplinary fields with the knowledge and skills to realize their full potential as next generation technical and organizational leaders in the ongoing war against cyber crime and cyber terrorism.

STANDARD M.S. PROGRAM

The M.S. in Cybersecurity consists of 36 graduate credit hours: 30 credits of course work and a 6 credit capstone experience. All degree requirements must be completed within four calendar years. No more than 6 graduate credits may be transferred from other graduate schools. Full-time students should expect to complete the degree in 1-1/2 to 2 years.

B.S./M.S. ACCELERATED PROGRAM

Well-qualified students enrolled in the BS in Computer Science program, including any of its tracks, can apply for admission to the Accelerated Master of Science in Cybersecurity program (MS.CYB.ACC) at Norfolk State University. Upon completion of the program, students will have earned both the BS in Computer Science and the MS in Cybersecurity degrees.

Students who meet the eligibility requirements can enter the MS.CYB.ACC program, and upon attaining Senior standing can take up to four (4) 500-level courses (12 credits) with the subject designation CYB toward the MS degree. Depending on the program and track, these credits also may dual-count toward BS degree requirements. The dual-counted courses allow completion of the combined degrees on an accelerated timeline.

How to Apply

Contact the Cybersecurity Graduate Program Coordinator, Dr. Mary Ann Hoppa, at mahoppa@nsu.edu

Expected Learning Outcomes

- Students will have the ability to work with a team of individuals to analyze and solve an assigned problem scenario.
- Students will be able to identify vulnerabilities, assess threats, and implement security controls to protect an IT environment.
- Students will be able to explain the fundamentals of digital forensics for both computers and mobile devices and the use of popular digital forensics software and tools.
- Students will be able to use ethical hacking techniques to assess the security of enterprise systems.
- Students will be able to apply knowledge gained in previous courses to conduct in-depth research into a specific Cybersecurity topic, including finding and integrating relevant research results of others.
- Students will analyze the security challenges of operating an e-commerce venture; specifically, securing the data, ensuring safe transactions, and suggesting feasible solutions.
- Students will demonstrate knowledge of security policies as an important complement to security technology.
- Students will demonstrate knowledge of the challenges involved in managing the security of enterprise information systems.

Summary of Graduation Requirements

Subject Area	Credits
Major Requirements	36
Total Credit Hours	**36**

CYBERSECURITY Curriculum

The curriculum for the M.S. in Cybersecurity degree requires 36 graduate credit hours: 30 credits of coursework and a 6-credit capstone experience consisting of CYS 798 Cybersecurity Capstone I and CYS 799 Cybersecurity Capstone II. All courses are required.

Code	Title	Credits
Core Courses		
CSC 535	Computer Security I	3
CSC 555	Management of Information Security	3
CYS 564	Secure Operating Systems	3
CYS 573	Network Fundamentals	3
CYS 672	Computer and Network Forensics	3
CYS 688	Human Aspects of Cybersecurity	3
CYS 697	Ethical Hacking and Penetration Testing	3
CYS 721	Database Security	3
CYS 755	Healthcare Information Security	3
CYS 765	Advanced Topics in Cybersecurity	3
CYS 798	Cybersecurity Capstone I	3
CYS 799	Cybersecurity Capstone II	3
Total Credits		**36**

Sequence (Full-time)

Course	Title	Credits
First Year		
CSC 535	Computer Security I	3
CSC 555	Management of Information Security	3
CYS 564	Secure Operating Systems	3
CYS 573	Network Fundamentals	3
CYS 672	Computer and Network Forensics	3
CYS 721	Database Security	3
	Credits	**18**
Second Year		
CYS 697	Ethical Hacking and Penetration Testing	3
CYS 755	Healthcare Information Security	3
CYS 798	Cybersecurity Capstone I	3
CYS 765	Advanced Topics in Cybersecurity	3
CYS 688	Human Aspects of Cybersecurity	3

CYS 799	Cybersecurity Capstone II	3
	Credits	**18**
	Total Credits	**36**

Sequence (Part-time)

Course	Title	Credits
First Year		
CSC 535	Computer Security I	3
CSC 555	Management of Information Security	3
CYS 564	Secure Operating Systems	3
CYS 573	Network Fundamentals	3
	Credits	**12**
Second Year		
CYS 672	Computer and Network Forensics	3
CYS 697	Ethical Hacking and Penetration Testing	3
CYS 721	Database Security	3
CYS 765	Advanced Topics in Cybersecurity	3
	Credits	**12**
Third Year		
CYS 755	Healthcare Information Security	3
CYS 798	Cybersecurity Capstone I	3
CYS 688	Human Aspects of Cybersecurity	3
CYS 799	Cybersecurity Capstone II	3
	Credits	**12**
	Total Credits	**36**

B.S./M.S. ACCELERATED PROGRAM

Program Expectations

Accelerated students must:

- maintain the required minimum CGPA's overall and in undergraduate Computer Science courses
- maintain good standing and continuous enrollment except summer semesters
- earn a B-grade or higher in all attempted dual-credit courses
- earn the MS degree within two regular semesters of the conferral semester projected at the time of admission to the Accelerated Master of Science Cybersecurity program; otherwise, they shall be dismissed from the Accelerated Master's program.
- If a student in the Accelerated Master of Science in Cybersecurity program already has earned credit for the undergraduate equivalent of any course(s) eligible for dual-counting in the selected BS.CSC program track, then to fulfill the total course credits required for the MS.CYB program s/he will be required to take suitable substitutions for the graduate-level course(s), subject to approval by the GPC and the School of Graduate Studies as applicable.
- Students dismissed from the Accelerated program may not re-apply to it; however, they may:
  - remain eligible to complete any remaining requirements to earn the BS.CSC as applicable;
  - apply for regular admission to NSU graduate programs for which they qualify, including but not limited to MS.CYB.

Summary of Graduation Requirements

Subject Area	Credits
BS Degree Requirements	108 - 123
MS Core Courses	30
Capstone Project	6
Total Credit Hours	**144-159**

Any 500 level courses with subject designation CYS may be eligible for dual-credit, depending on the selected BS program and track. Students must earn a B grade or better in designated 500-level courses to count towards MS.CYB degree requirements. Therefore, combined total degree requirements range from 144 to 159 credit hours.

Plans of Study

The following plans of study are not prescriptive but show possible senior year course selections for accelerated students within respective BS.CSC tracks. Courses may be taken in alternative orders, subject to meeting prerequisites, degree requirements, and additional considerations including potential course transfers, substitutions, and overloads.

BS.CSC/MS.CYB

Course	Title	Credits
Senior		
CSC 464	Operating Systems	3
CSC 498	Computer Science Seminar I	2
CSC 499	Computer Science Seminar II	2
Computer Science or Math Elective (300+)		3
Social Science Cultural Elective		3
Humanities Cultural Elective		3
Free Elective		3
CSC 535	Computer Security I	3
CSC 555	Management of Information Security	3
CYS 564	Secure Operating Systems	3
CYS 573	Network Fundamentals	3
	Credits	**31**
	Total Credits	**31**

BS.CSC.D/MS.CYB

Course	Title	Credits
Senior		
CSC 430	Data Communications	3
CSC 464	Operating Systems	3
CSC 468	Computer Architecture	3
CSC 498	Computer Science Seminar I	2
CSC 499	Computer Science Seminar II	2
Social Science Cultural Elective		3
Humanities Cultural Elective		3
APS 410	Applied Science Seminar	0
APS 411	Applied Science Seminar	0
CSC 535	Computer Security I	3
CSC 555	Management of Information Security	3
CYS 564	Secure Operating Systems	3

CYS 573	Network Fundamentals	3
	Credits	**31**
	Total Credits	**31**

BS.CSC.CYBT/MS.CYB

Course	Title	Credits
Senior		
CSC 313	Network Administration	3
CSC 445	Computer Network Defense	3
CSC 464	Operating Systems	3
CSC 494	Digital Forensics	3
CSC 498	Computer Science Seminar I	2
CSC 499	Computer Science Seminar II	2
Social Science Cultural Elective		3
Humanities Cultural Elective		3
CSC 535	Computer Security I	3
CSC 555	Management of Information Security	3
CYS 564	Secure Operating Systems (overload to maximize acceleration)	3
CYS 573	Network Fundamentals (overload to maximize acceleration)	3
	Credits	**34**
	Total Credits	**34**

BS.CSC.CYBT.D/MS.CYB

Course	Title	Credits
Senior		
CSC 313	Network Administration	3
CSC 430	Data Communications	3
CSC 464	Operating Systems	3
CSC 468	Computer Architecture	3
CSC 494	Digital Forensics	3
CSC 498	Computer Science Seminar I	2
CSC 499	Computer Science Seminar II	2
Social Science Cultural Elective		3
APS 410	Applied Science Seminar	0
APS 411	Applied Science Seminar	0
CSC 535	Computer Security I	3
CSC 555	Management of Information Security	3
CYS 564	Secure Operating Systems (overload to maximize acceleration)	3
CYS 573	Network Fundamentals (overload to maximize acceleration)	3
	Credits	**34**
	Total Credits	**34**

BS.CSC.CET/MS.CYB

Course	Title	Credits
Senior		
CSC 275	Fundamentals of Cybersecurity	3
CSC 430	Data Communications	3
CSC 464	Operating Systems	3
CSC 468	Computer Architecture	3
CSC 498	Computer Science Seminar I	2
CSC 499	Computer Science Seminar II	2
EEE 431	Microcontrollers	3
ENG 285	Public Speaking	3
Social Science Cultural Elective		3
Humanities Cultural Elective		3
CSC 535	Computer Security I	3
CSC 555	Management of Information Security (overload to maximize acceleration)	3
CYS 564	Secure Operating Systems (overload to maximize acceleration)	3
CYS 573	Network Fundamentals (overload to maximize acceleration)	3
	Credits	**40**
	Total Credits	**40**

BS.CSC.CET.D/MS.CYB

Course	Title	Credits
Senior		
CSC 430	Data Communications	3
CSC 464	Operating Systems	3
CSC 468	Computer Architecture	3
CSC 498	Computer Science Seminar I	2
CSC 499	Computer Science Seminar II	2
EEN 231	Digital Electronics Logic Design	3
EEN 331	Microprocessors	3
EEN 331L	Microprocessor Lab	1
Social Science Cultural Elective		3
Humanities Cultural Elective		3
APS 410	Applied Science Seminar	0
APS 411	Applied Science Seminar	0
CSC 535	Computer Security I	3
CSC 555	Management of Information Security (overload to maximize acceleration)	3
CYS 564	Secure Operating Systems (overload to maximize acceleration)	3
CYS 573	Network Fundamentals (overload to maximize acceleration)	3
	Credits	**38**
	Total Credits	**38**

BS.CSC.SET/MS.CYB

Course	Title	Credits
Senior		
CSC 464	Operating Systems	3
CSC 468	Computer Architecture	3
CSC 485	Software Quality Assurance and Testing	3
CSC 486	Software Project Management	3
CSC 487	Engineering Secure Software Systems	3
CSC 488	Distributed Software Systems	3
CSC 498	Computer Science Seminar I	2
CSC 499	Computer Science Seminar II	2
Social Science Cultural Elective		3
Humanities Cultural Elective		3
CSC 535	Computer Security I	3

CSC 555	Management of Information Security (overload to maximize acceleration)	3
CYS 564	Secure Operating Systems (overload to maximize acceleration)	3
CYS 573	Network Fundamentals (overload to maximize acceleration)	3
	Credits	**40**
	Total Credits	**40**

MS.CYB

Students take 500-level courses as shown above for their program/track, then complete all remaining courses from the MS.CYB curriculum.

Code	Title	Credits
CSC 535	Computer Security I	3
CSC 555	Management of Information Security	3
CYS 564	Secure Operating Systems	3
CYS 573	Network Fundamentals	3
CYS 672	Computer and Network Forensics	3
CYS 688	Human Aspects of Cybersecurity	3
CYS 697	Ethical Hacking and Penetration Testing	3
CYS 721	Database Security	3
CYS 755	Healthcare Information Security	3
CYS 765	Advanced Topics in Cybersecurity	3
CYS 798	Cybersecurity Capstone I	3
CYS 799	Cybersecurity Capstone II	3

APPLICATION DEADLINE

The deadline to apply to the Master of Science in Cybersecurity program is April 15 for the subsequent Fall semester and November 15 for the subsequent Spring semester.

To provide sufficient lead time to receive and thoroughly examine decision-making materials, to ensure fair treatment of all applicants, and to foster on-time starts in the first semester for students admitted to the program, the above timelines shall not be waived or circumvented. Applicants who have missed cut-off deadlines may be eligible to take courses from the curriculum in a non-degree-seeking status while their applications are pending, and can contact the graduate school for further details.

Admissions

To be consider for admission, all application materials must be received by Norfolk State University on or before the relevant deadline. A Departmental Graduate Admissions Committee makes all admission decisions.

Applicants must complete an online application and upload the following supplemental items:

1. CV/Resume

2. Personal Statement that explains the applicant's interest in the cybersecurity profession, how they are prepared to commit to and succeed in this program, and how earning a masters degree fits into future career plans

3. Three (3) Reference Requests. Recommenders are contacted electronically by the graduate school to submit their recommendations, which must be dated within one year of the application date and uploaded by the relevant deadline. References should be individuals who can attest to the applicant's personal character, past or anticipated academic or professional performance, and any relevant observations regarding potential as a cybersecurity professional. Examples include former professors, academic advisers, work or research supervisors or colleagues, or civic leaders.

4. Unofficial Transcript. An official transcript showing the degree conferred is required upon acceptance and prior to enrollment.

To be "official" transcripts must be transmitted directly from schools or service providers via email to graduateschool@nsu.edu. If electronic transmission is not possible, then the transcript should be mailed directly from the issuer to:

Norfolk State University
School of Graduate Studies and Research Suite 602
McDemmond Center for Applied Research
700 Park Avenue
Norfolk, VA 23504
Phone: (757) 823-8015

If the applicant accepts delivery of the transcript, then s/he must mail it to the above address in its original, sealed envelope from the issuer. Applicants must not open or alter the original envelope in any way since this immediately renders the transcript unofficial.

Academic Preparation

An undergraduate degree in any discipline from a regionally accredited 4-year college or university is required to apply to this program. Most successful applicants have an overall undergraduate major GPA of 2.8 / 4.0 or better.

GRE

Taking the Graduate Register Exam (GRE) is not required to apply to this program. Some assistantships and fellowship may require applicants to take the GRE, and may specify minimum required scores or circumstances under which scores can be waived or offset.

B.S./M.S. Degree Requirements

1. Minimum CGPA: 3.0 / 4.0
2. Minimum CGPA: 3.0/4.0 across all Computer Science courses
3. Enrolled and in good academic standing in BS.CSC (any track)
4. Completion of BS program / track curriculum through the third year. Students must have earned at least **89** credits by the semester in which they seek to enroll in any MS.CYB course.
5. Personal Statement of motivation and career objectives (1 page)
6. Resume including experience and qualifications
7. Letter of Reference from one (1) CS, Engineering, Science or Mathematics faculty

Financial Assistance

Norfolk State University offers a wide variety of financial aid programs, including federal, state and institutional scholarships and grants, student assistantships, employment opportunities and loans; as

well as external options such as military veterans and employee benefits. Students should contact NSU's Financial Aid Office (https://www.nsu.edu/financial-aid/) and Career Services (https://www.nsu.edu/careerservices/) for help identifying ways to finance their graduate studies.

Unless otherwise stated, awards do not renew automatically and are subject to annual review and available funding. The total length of support also may be limited. Awards often represent a legal contract between the student and the funder; therefore, before accepting them, students should fully understand all terms of such agreements.

International Students

Admissions

For international students, an official evaluated transcript is required for the application to be considered complete.

Per the policies of the U.S. Department of Homeland Security, non-U.S. citizens living abroad will not be granted documents to enter the U.S. to participate in an all-online program like the MS.CYB. International students may apply to this program and, if admitted, they can complete their courses remotely.

English Proficiency

The TOEFL is waived if a student has completed at least one year of full-time study at a college or university in an English-speaking country. Otherwise a TOEFL score of 80 or better, or an IELTS score of 6.5 or better, is required.

Engineering

Dr. Patricia Mead, Department Head
(757) 823-0017

The Department of Engineering at Norfolk State University offers the following degree programs:

- B.S. Electrical and Electronics Engineering
- B.S. Optical Engineering
- M.S. Electronics Engineering

The Engineering Advisory Board

The Department's Engineering Advisory Board is composed of national leaders from government, universities, and industry. The Advisory Board provides vision and insight for all departmental initiatives conducted by the faculty.

The Mission Statement

The mission of the Department of Engineering is to empower students with the knowledge, skills, and abilities needed for successful professional careers in engineering; to encourage innovation, creativity and an entrepreneurial spirit; to instill a sense of community responsibility; and to develop leaders for a technology-driven global society.

https://www.nsu.edu/cset/engineering/index (https://www.nsu.edu/cset/engineering/index/)

Accreditation

In order to provide the best possible undergraduate education, the Department embraces the standards established by ABET, the sole accrediting agency for engineering programs in the United States. The Bachelor of Science degree in Electrical and Electronics Engineering at Norfolk State University is accredited by the Engineering Accreditation Commission of ABET, https://www.abet.org (https://www.abet.org/), under the General Criteria and the Electrical and Electronic Engineering Program Criteria. The Bachelor of Science degree in Optical Engineering at Norfolk State University is accredited by the Engineering Accreditation Commission of ABET, https://www.abet.org (https://www.abet.org/), under the General Criteria and the Optical Engineering Program Criteria.

Overview

The Department of Engineering offers its students curricula that focus on key concepts and latest developments in the Electronics and Optical engineering fields. In addition, the department offers interdisciplinary curricula for a minor in Bioengineering.

The Engineering degree programs offer challenging and rigorous curricula, excellent faculty, and a state-of-the-art infrastructure that provide students exciting opportunities to conduct research at NSU and major research institutions. The Department's areas of research include diamond electronics and photonics, nanoengineering, microelectronics, thin films, photovoltaic materials and technologies, photonics, quantum optics, bioengineering, cardiac modeling and simulation, and neural engineering.

Research Facilities

The Department of Engineering offers its students curricula that focus on key concepts and latest developments in the Electronics and Optical engineering fields. In addition, the department offers interdisciplinary curricula for a minor in Bioengineering.

The Department's teaching and research facilities include two cleanrooms and several research laboratories that are equipped with state-of-the art infrastructure for:

- Atomic layer Deposition
- Pulsed Laser Deposition
- Chemical Vapor Deposition
- RF/DC Magnetron Sputtering
- Photoluminescence
- Electron Beam Lithography
- Micro-Raman Spectroscopy
- FE/SEM/EDAX/STEM Microscopy
- Atomic Force Microscopy
- Electrical/Optical Characterization
- Neural Signal Recording
- Functional Neuroimaging

Engineering Programs

- Electronics Engineering, M.S. (p. 86)

Electronics Engineering, M.S.

Dr. Prathap Basappa, Program Coordinator
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(757) 823-0043

The Master of Science in Electronics Engineering program offers a rigorous and high quality graduate education that prepares students for successful professional careers in engineering. Award-winning engineering faculty guide and mentor students to become innovative researchers and leaders for a technology driven global society.

Standard M.S. Program

The M.S. program requires 30 graduate credit hours of course work including a thesis or a project. The 30 credits include 15 credits of core courses for all students. Thesis students need 9 elective course credits and 6 thesis credits. Non-thesis students need 12 elective credits and 3 project credits. All degree requirements must be completed within four calendar years.

Full-time students with a B.S. degree in Engineering should expect to complete the M.S. degree with thesis in 2 years and non-thesis in 1-1/2 years. A cumulative GPA of 3.0/4.0 is required for graduation.

Accelerated Online Program

The Accelerated Online program is designed for the adult learner, especially working professionals who wish to further their skills in an online format for students interested in Biomedical Engineering and Microelectronics and Photonics Engineering.Courses are offered in 7-week formats that allow flexibility to take one or two courses per term. Students can complete their degree in 10-months. For more information on this option see our website (https://online.nsu.edu/degrees/technology/master-science-electronics-engineering/).

B.S./M.S. Accelerated Program

The Accelerated Master of Science in Electronics Engineering program allows promising students enrolled in the BS in Electrical and Electronics Engineering program to gain admission to the Accelerated Master of Science program in Electronics Engineering at Norfolk State University. Students that meet the eligibility requirements can enter the program, and upon designation of senior standing in the Engineering curriculum, can take any 500-level course with subject designation EEN or OEN for dual-credit toward the BS and MS degree programs. A maximum of 12 credits may be dual-counted toward the BS and MS degree requirements. Upon completion of the Accelerated Master of Science in Electronics program, students will have earned the BS in Electrical and Electronics Engineering and the MS in Electronics Engineering degrees. The dual-counted courses allow completion of the combined degrees on an accelerated time-scale.

Assistantships

Financial assistance for graduate studies can include federal and state financial aid. The Engineering Department awards a number of teaching assistantships, research assistantships, and laboratory assistantships each semester. Renewals of these awards are subject to semester and annual reviews and available funding. In general, the awards are available only for four semesters.

Expected Learning Outcomes

The program's Student Learning Outcomes are as follows:

- **Outcome 1:** Program graduates will be able to analyze and solve advanced engineering problems.
- **Outcome 2:** Program graduates will be able to apply knowledge to design and/or produce effective and comprehensive solutions to complex engineering problems and applications.
- **Outcome 3:** For thesis students only: Program graduates will be able to conduct original and independent research.
- **Outcome 4:** Program graduates will be able to explore new and advanced technologies in engineering.
- **Outcome 5:** Program graduates will be able to demonstrate good oral and written communication skills and be able to present their ideas and designs in a professional setting to both technical and non-technical audiences.
- **Outcome 6:** Program graduates will be able to demonstrate knowledge of and display commitment to professionalism.

Admissions

M.S. Degree Requirements

A Bachelor of Science Degree in Electrical and/or Computer Engineering or optical engineering from an accredited institution. Science and Technology majors should consult the Graduate Program Coordinator for additional prerequisite courses.

Undergraduate GPA 3.0/4.0 or better.

How to Apply

Apply online and include the following:

- Official transcripts. For international applicants, we require an official, evaluated transcripts from an approved agency such as the World Education Services (WES) or Educational Credential Evaluators (ECE)
- Three letters of recommendation
- Resume
- Personal Statement
- TOEFL/IELTS score of 79/6.5 or better (for international students)
- Non-refundable application fee.
- GRE scores of 155 or better in each section of verbal and quantitative, and 3.5 or better for the analytical section. GRE scores may be waived for applicants who majored in electrical, electronics, or optical engineering and earned at least a 3.2 GPA in engineering courses. The GRE also may be waived based on other student credentials.

The Departmental Graduate Committee will make the final selection for admission and assistantship and scholarship awards.

B.S./M.S. Degree Requirements

1. Minimum CGPA: 3.0/4.0
2. Minimum CGPA: 3.0/4.0 across all Engineering courses
3. Enrolled in BS.EEE or BS.EEE.DNIMAS program
4. Completion of second year BS.EEE courses: EEN-202, EEN-211, and EEN-231
5. Personal Statement of motivation and career objectives (1 page)
6. Resume to include experience and qualifications

7. Letter of Reference from one (1) Engineering, Science, or Mathematics Faculty

How to Apply

Contact the Graduate Program Coordinator, Dr. Prathap Basappa at pbasappa@nsu.edu.

Engineering Program -Thesis and Project Options - Standard

Summary of Graduation Requirements

Thesis Option:

Subject Area	Credits
Core	15
Elective	9
Thesis/Project	6
Total Credit Hours	**30**

Non-Thesis Option:

Subject Area	Credits
Core	15
Elective	12
Thesis/Project	3
Total Credit Hours	**30**

Core Courses:

Code	Title	Credits
Core Courses		
EEN 531	Microcontrollers	3
EEN 551	Communications Systems	3
EEN 581	Analog Integrated Circuits	3
EEN 610	Advanced Engineering Mathematics	3
EEN 683	Advanced Topics in Vlsi	3
Track		
Select a track		15
Biomedical/Modeling & Simulation (p. 87)		
Microelectronics and Photonics (p. 87)		
Total Credits		**30**

Tracks

Biomedical Engineering Elective Courses

Code	Title	Credits
EEN 541	Biomedical Engineering Devices & Systems	3
EEN 582	Bioelectrics	3
EEN 590	Research Methods	1-0
EEN 601	Systems Modeling	3-0
EEN 691	Advanced Topics II	3
EEN 697	Masters Project	3
EEN 698	Master's Thesis I	3
EEN 699	Master's Thesis II	3

Microelectronics and Photonics Elective Courses

Code	Title	Credits
EEN 562	Semiconductor Processing Technology	3
EEN 590	Research Methods	1-0
EEN 614	Neural Networks	3
EEN 621	Electromagnetic Field Theory	3-0
EEN 646	Wireless Communications	3
EEN 6XX	Contact department for specific course information	3
EEN 663	Solid State Devices	3
EEN 690	Advanced Topics I	3
EEN 691	Advanced Topics II	3
EEN 697	Masters Project	3
EEN 698	Master's Thesis I	3
EEN 699	Master's Thesis II	3
OEN 520	Optical Design and Instrumentation	3-0
OEN 530	Optical Materials	3-0
OEN 540	Optical Communications I	3-0
OEN 560	Optical Communications I	3
OEN 580	Quantum Mechanics	3-0
OEN 630	Opto-Electronic Devices	3-0

SAMPLE COURSE SEQUENCE

First Year

Fall		Credits
EEN XXX	Core Course 1	3
EEN XXX	Core Course 2	3
EEN XXX	Core Course 3	3
EEN XXX	Elective Course 1	3
	Credits	**12**
Spring		
EEN XXX	Core Course 4	3
EEN XXX	Core Course 5	3
EEN XXX	Elective 2	3
EEN XXX	Elective 3	3
	Credits	**12**
Second Year		
Fall		
EEN 697 or EEN 698	Masters Project (Project Students Only) or Master's Thesis I	3
EEN XXX	Elective (Project Students Only)	
	Credits	**3**
Spring		
EEN 699	Master's Thesis II Thesis Students only	3
	Credits	**3**
	Total Credits	**30**

Microelectronics and Photonics - Accelerated Online

Summary of Graduation Requirements

Subject Area	Credits
Core Courses	15
Elective Courses	15
Total Credit Hours	**30**

Core Courses

Code	Title	Credits
EEN 531	Microcontrollers	3
EEN 551	Communications Systems	3
EEN 581	Analog Integrated Circuits	3
EEN 610	Advanced Engineering Mathematics	3
EEN 683	Advanced Topics in Vlsi	3

Sample Course Sequence

The plan of study starts with the entry term. Below is a sample sequence of study for a fall mini-term 1 start. Elective courses are offered on a rotating basis.

Course	Title	Credits
First Year		
Fall		
Fall Mini-Term 1		
EEN 581	Analog Integrated Circuits	3
EEN 610	Advanced Engineering Mathematics	3
Fall Mini-Term 2		
EEN 551	Communications Systems	3
EEN 603	Pc Based Instrumentation	3
	Credits	**12**
Spring		
Spring Mini-Term 1		
OEN 561	Optoelectronic and Photonic Devices	3
EEN 650	Microelectromechanical Systems (mems)	3
Spring Mini-Term 2		
OEN 540	Lasers and Photonics	3
EEN 683	Advanced Topics in Vlsi	3
	Credits	**12**
Summer		
Summer Mini-Term 1		
EEN 531	Microcontrollers	3
EEN 562	Semiconductor Processing Technology	3
	Credits	**6**
	Total Credits	**30**

Biomedical Engineering: Accelerated Online

Summary of Graduation Requirements

Subject Area	Credits
Core Courses	15
Elective Courses	15
Total Credit Hours	**30**

Core Courses

Code	Title	Credits
EEN 531	Microcontrollers	3
EEN 551	Communications Systems	3
EEN 581	Analog Integrated Circuits	3
EEN 610	Advanced Engineering Mathematics	3
EEN 683	Advanced Topics in Vlsi	3

Sample Course Sequence

The plan of study starts with the entry term. Below is a sample sequence of study for a fall mini-term 1 start. Elective courses are offered on a rotating basis.

Course	Title	Credits
First Year		
Fall		
Fall Mini-Term 1		
EEN 581	Analog Integrated Circuits	3
EEN 610	Advanced Engineering Mathematics	3
Fall Mini-Term 2		
EEN 551	Communications Systems	3
EEN 603	Pc Based Instrumentation	3
	Credits	**12**
Spring		
Spring Mini-Term 1		
EEN 541	Biomedical Engineering Devices/Systems	3
EEN 582	Bioelectrics	3
Spring Mini-Term 2		
EEN 6XX	Elective	
EEN 683	Advanced Topics in Vlsi	3
	Credits	**9**
Summer		
Summer Mini-Term 1		
EEN 531	Microcontrollers	3
EEN 614	Neural Networks	3
	Credits	**6**
	Total Credits	**27**

B.S./M.S. Electrical Engineering/ Electronics Engineering - Accelerated (Thesis Track)

Summary of Graduation Requirements

Subject Area	Credits
B.S. Electrical Engineering (including 12 dually counted credits for M.S. Degree)	128
Core Courses	15
Elective Courses	9
Thesis Courses	6
Total Credit Hours	**158**

B.S./M.S. Electrical Engineering/ Electronics Engineering - Accelerated (Projects Track)

Summary of Graduation Requirements

Subject Area	Credits
B.S. Electrical Engineering Courses (including up to 12 dually counted credits for M.S. degree)	128
Core Courses	15
Elective Courses	12
Masters Project	3
Total Credit Hours	**158**

Dual Credit: Any 500 level courses with subject designation EEN or OEN will be eligible for credits in the BS.EEE and MS.EEE programs. Students must achieve a B grade or higher in the designated 500-level courses to count towards MS.EEN degree requirements. Therefore, total degree requirements range from 146 to 158.

B.S.EEE Curriculum

Students follow the B.S. Electrical Engineering curriculum until their 4th year in the undergraduate program. Beginning in the fourth year, students should follow the curriculum below:

Code	Title	Credits
Senior Year (or Final Year of BS.EEE program)		
EEN 431	Microcontrollers	3
or EEN 531	Microcontrollers	
EEN 5XX or OEN 5XX	Engineering Restricted Electives	12
EEN 451	Communications Engineering	3
or EEN 551	Communications Systems	
EEN 401	Electronics Engineering Seminar	1
EEN 499	Sr Project II	3
XXX XXX	Tier 3 Cultural Perspectives	3
EEN 498	Sr Project I	3
XXX XXX	Unrestricted Elective	3
Total Credits		**31**

M.S.EEN Curriculum

Code	Title	Credits
EEN 531	Microcontrollers	3
EEN 551	Communications Systems	3
EEN 581	Analog Integrated Circuits	3
EEN 610	Advanced Engineering Mathematics	3
EEN 683	Advanced Topics in Vlsi	3
EEN 698 & EEN 699	Master's Thesis I and Master's Thesis II	3-6
or EEN 697	Master's Project	
EEN 5XX or OEN 5XX	Restricted Electives	9-12

If a student has already completed EEN 531 and/or EEN 551, as an undergraduate, these courses will be counted as dual credits for both undergraduate and graduate programs. However, if a student has completed EEN 431 and/or EEN-451 in the undergraduate program, the student will be required to take other suitable electives to be substituted for EEN 531 and/or EEN 551 to fulfill total credit requirements for the graduate program.

Materials Science

Dr. Sam Shajing Sun, Program Coordinator
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(757) 823-2993

The Materials Science and Engineering programs, including both MSE-PhD and MATS-MS programs, are two interdisciplinary programs housed in the Center for Materials Research under the Department of Physics. These programs address the critical technical workforce needs of industry, academia, and government laboratories in the Commonwealth and the nation for scientific and engineering leadership in the area of advanced nanostructured materials and engineering. The programs will prepare highly trained technical professionals in the area of nanostructured materials science and engineering for the future generation photonic, electronic, magnetic, bio-medical materials and devices, and for renewable and clean energy applications.

Materials Science Programs

- Materials Science and Engineering, Ph.D. (p. 91)
- Materials Science, M.S. (p. 94)

Materials Science and Engineering, Ph.D.

Dr. Sam Sun, Program Coordinator
(757) 823-0035/823-2993

The Ph.D. in Materials Science and Engineering (MSE) is an interdisciplinary graduate program housed in the Center for Materails Research (CMR) under the Department of Physics. Persons holding baccalaureate or Master of Science degrees in chemistry, physics, materials science, engineering, or related disciplines are eligible for admission.

The Ph.D. program addresses the critical technical workforce needs of industry, academia, and government laboratories in the Commonwealth and the nation for scientific and engineering leadership in the area of advanced nanostructured materials and engineering. The program will prepare highly trained technical professionals in the area of nanostructured materials science and engineering for the next generation photonic, electronic, magnetic, biomedical materials and devices, and for renewable clean energy generation.

The Materials Science and Engineering (Ph.D.) program at Norfolk State University prepares students for careers in industry, federal or private research laboratories, and academia. The program transitions students from physical sciences, engineering and related fields into the discipline of advanced materials with special nanostructures and properties. The dissertation research component of the program is typically conducted in the research labs at the Center for Materials Research (CMR). However, research may also be conducted off campus through special programs at federal research facilities such as NASA Langley Research Center or DOE National Research Laboratories, with prior approval of the advisor and graduate program coordinator (GPC).

The MSE program is designed to provide students with fundamental knowledge, analytical skills, and research experience necessary to contribute significantly to federal and commercial research efforts in the forefront of Materials Science and Engineering in NSU's Center for Materials Research. Therefore, the curriculum includes an overview of MSE and its current research areas and offers an in- depth study of advanced materials synthesis, characterization of macroscopic and microscopic physical properties, theoretical and computational modeling, and device engineering.

The curriculum of the program features technical core courses, professional development courses, elective courses, research, and a dissertation. The technical core courses establish baseline knowledge that brings students with diverse undergraduate background to a fundamental understanding of their new discipline. These courses impart a set of fundamental knowledge and skills to students with baccalaureate degrees in chemistry, physics, electrical engineering and related disciplines; and consequently, provide a new intellectual identity to those involved in the study and preparation of advanced materials.

Students may also enroll in a broad range of advanced elective courses to prepare for the interdisciplinary needs of their dissertation research. This additional elective coursework is selected in consultation with the student's advisor and GPC. The professional development courses grant unique preparation to strengthen communication/presentation skills and involve post- graduation planning and career-oriented training.

The program for students entering with a B.S. degree consists of 9 credit hours of technical core courses, 3 hours of professional development courses, a minimum of 18 (or more) hours of elective courses, 36 credit hours of research, and 9 credit hours for preparation and oral defense of the dissertation. A minimum of 75 credit hours must be taken at NSU.

The dissertation research component of the program will be conducted in research labs at the Center for Materials Research. However, research may also be conducted on-campus through the Department of Computer Science or the Department of Engineering and off-campus through special programs at federal research facilities or at other research partner organizations with prior approval of the dissertation advisor and mentoring committee. All research conducted by doctoral students shall be supervised by a faculty advisor at CMR.

All general policies and procedures of the Norfolk State University Graduate School are in effect, except those that are superseded by the following specific policies of the Ph.D. in Materials Science program. The program is governed by the policies of the NSU Graduate Council (GC), which meets regularly during the regular academic year. Between GC meetings, the program is coordinated by the Graduate Program Coordinator and designated CMR committees.

Academic Standards

In order to graduate, students must complete the curriculum with a minimum 3.0 grade point average on a 4.0 scale. Each student's progress is monitored by the Graduate Program Coordinator, with input from the student's research advisor.

The system of grading is as follows:

Grade	Grade Points	Interpretation
A	4.0	Excellent
A-	3.70	Excellent
B+	3.30	Good
B	3.00	Satisfactory

** Course must be repeated to fulfill graduation requirement.*

Students with a GPA of 3.00 or higher are considered to be in good academic standing. In order to receive graduate teaching assistantships (GTAs), students must generally be in good academic standing, and be making normal progress toward degree completion.

Failure to maintain the required 3.0 GPA may result in probationary status or suspension from the program as outlined below.

Students on probationary status generally do not receive renewals of graduate teaching assistantships and may not be eligible for university tuition grants. Students who were admitted on a provisional basis will not be changed to regular status unless the required 3.0 GPA is obtained.

Students placed on suspension may not be permitted to enroll in additional courses in the Materials Science and Engineering program until reinstatement is granted by the appropriate MSE program committee. The request for reinstatement should include explanation of mitigating circumstances surrounding past academic performance and/or justification for predicting future success in the program if reinstatement is granted. The MSE program committee will review the request and may interview the suspended student prior to making a final recommendation. The committee may require successful completion of relevant undergraduate courses as a precondition for reinstatement.

Center for Materials Research

CMR was established in 1992 to coordinate the ongoing interdisciplinary polymeric, bio and photonic materials and films, fabrication of those materials into devices for a range of applications including biomedical engineering, electronic/photonic/magnetic devices, clean and renewable energy conversion and storage devices. The CMR is housed in the Marie V. McDemmond Center for Applied Research on the NSU Campus, where the following research laboratories are located: Micro-and Nanotechnology Center (6,000-sqft cleanroom), Materials Characterization Laboratories (electron transmission, scanning, and atomic force microscopes, scanning probe microscope, surface analysis system: LEED, XPS,and AES, X-ray diffraction and fluorescence, IR and UV- Vis), Laser Laboratories for spectroscopy and high speed dynamics, Nuclear Magnetic and Electron Spin Resonance (NMR and ESR) Laboratories , Organic/Polymer Synthesis and Characterization Laboratories, Neural Engineering and Nanoelectronic labs, Crystal Physics and Quantum Electronic Labs, Biomaterials and Toxicology Labs, Thin Film Processing and the Device Fabrication Labs.

Curriculum

Minimum Degree Requirements

All students are required to complete a total of 75 credit hours, including 36 hours of research and 9 hours of dissertation credits.

This requirement includes the following 12 semester hours of core courses:

Code	Title	Credits
Professional Core Courses		
MSE 600	Materials Science/Engineering Seminar I	1
MSE 601	Materials Science & Engineer Seminar II	1
MSE 605	Ethics of Research	1
Technical Core Courses		
MSE 530	Materials Science	3
MSE 533	Polymers/Composites	3
MSE 535	Electronic and Optic Material	3
Technical Electives [1]		
Select nine (9) credit hours of approved technical core electives. Additional substitutions may also be approved. (This list may not be complete or updated)		9
CHM 545	Mathematical Method	
PHY 580	Quantum Mechanics for Material Science	
MSE 575	Basic Instrumentation for Material Sci	
MSE 607	Materials for Nanotechnology	
MSE 635	Optical Materials	
MSE 660	Organic Optoelectronic Materials/Devices	
MSE 704	Thin Film Phenomena	
Additional Electives		
Select nine (9) credit hours from an elective list. Additional electives may also be approved. (This list may not be complete or updated)		9
CHM 633	Molecular Dynamics	
CHM 663	Atomic/ Molecular Spectroscopy	
EEN 562	Semiconductor Processing Technology	
EEN 663	Solid State Devices	
MSE 580	Advanced Organic Synthesis	
MSE 609	Intro to Computational Materials Science	
MSE 703	Materials Devices for Energy Conversion	
PHY 653	Solid State Physics	
PHY 675	Electricity and Magnetism	
Research/ Dissertation Courses [2]		
MSE 697	Research I	3
MSE 698	Research II	3
MSE 699	Research III	3
MSE 897	Research I	9
MSE 898	Research II	9
MSE 899	Research III	9
MSE 900	Dissertation	9
Total Credits		**75**

After completing three technical core courses and at least three hours of research courses (MSE-69X), students need to pass or enroll in a zero credit PhD qualifying/candidacy exam course, MSE-770, before being allowed to enroll in the doctoral dissertation course MSE-900.

All students are required to complete a total of 45 credits of research and dissertation coursework. A student's dissertation advisory committee, composed of the student's advisor and four other members, advises the students through his/her PhD qualifying and research work. The dissertation is defended in an open forum as the Final Dissertation Defense. After the delivery and approval of a finalized dissertation manuscript and satisfaction of all other academic/financial requirements, the Ph.D. degree will be certified by the university registrar.

1. In addition to the 12 credit hours of required core courses, students must complete nine (9) credit hours of approved technical core electives.
2. All students are required to complete 45 credits of research and dissertation course work. A dissertation committee, composed of the student's advisor and four other members, advises the students through his/her research work. The dissertation is defended in an open forum as the Final Dissertation Defense. After the delivery and approval of a finalized dissertation manuscript the Ph.D. degree will be awarded.

Admissions

Requirements

The requirements for admission to the Ph.D. Program in Materials Science and Engineering are as follows:

1. A bachelor's degree in chemistry, physics, materials science, engineering or a related field from a regionally accredited institution and have a 3.0 grade point average on a 4.0 scale.
2. Submission of a complete application including the following:
   a. Completed Application Forms
   b. Application Fee
   c. Statement of Purpose of at least 500 words explaining how the program will advance your career goals.
   d. Updated Resume
   e. At least three current Letters of Recommendation from persons who are qualified to evaluate your academic and research experience. Letters must be submitted via the online application portal. Recommenders must also complete the online recommendation form.
   f. Official Transcripts from all undergraduate institutions attended. Unofficial transcripts will be accepted for admission decisions,

but final official transcripts are required for enrollment if accepted. NSU undergraduate students may submit final unofficial transcripts for enrollment. Foreign transcripts need to be evaluated/translated/certified by an approved third-party evaluator such as the World Educational Services (WES).

g. TOEFL scores for international applicants, minimum score of 79 (Internet) or 550 (Paper).

Admission to the Ph.D. program in Materials Science and Engineering may be regular, provisional, or conditional. The admissions committee will conduct a holistic review of all applicants and may adjust/waive certain requirements while complying with the university and School of Graduate Studies and Research general admission policies.

Non-degree Status

Non-degree status may be granted to a person who has a baccalaureate degree in an appropriate field and who wishes to take particular courses without pursuing a graduate degree. The courses may be taken on a credit or a non-credit basis. Generally, a maximum of nine credit hours with a 3.0 average or above may be applied toward degree requirements if the non-degree student is subsequently admitted to the Ph.D. in Materials Science and Engineering program. Non- degree students are ineligible for fellowships or assistantships administered by the Graduate Committee.

Transfer Credits

The program for students who enter the program after completion of a M.S. in Materials Science or related disciplines, from NSU or any other accredited physical science or engineering program, consists of a minimum of 3 hours of professional development courses, 6 hours of research and 9 hours in additional elective courses, 27 credit hours of Ph.D. research, and 9 credit hours for preparation and oral defense of the dissertation. A minimum of 54 credit hours must be taken at NSU. Transfer students should consult the Program Coordinator for further information regarding transfer credits.

Residence Requirements

Candidates for the Ph.D. in Materials Science and Engineering must be enrolled at Norfolk State University for a minimum of six semesters prior to graduation. Dissertation research must be conducted under the supervision of a regular or adjunct NSU faculty member approved by the appropriate Materials Science and Engineering Graduate Committee.

Re-Admission

A student planning to interrupt his/her approved plan of study should consult his/her advisor. In some cases, continuous registration may be required by the Graduate School, or the filing of a “continuous matriculation” form may be required. Re-admission to the program after an absence of a semester or longer is not automatic and requires the filing of an admission application.

Materials Science, M.S.

Dr. Sam-Shajing Sun, Program Coordinator
(757) 823-2993

The Master of Science in Materials Science is an interdisciplinary program administered cooperatively by the physics, chemistry, and engineering graduate faculty. Persons holding baccalaureate degrees in chemistry, engineering, materials science, physics, or related disciplines are eligible for admission.

The program is designed to provide the knowledge, analytical skills, and research experience necessary to prepared students for technical jobs and doctoral degree programs in the interdisciplinary field of Materials Science. Therefore, the curriculum includes an overview of materials science and current research areas, in-depth study of relevant physical theories, and applied research. All students are required to complete a master's thesis. The thesis research component of the program is typically coordinated through the Center for Materials Research. However, research may also be conducted off campus through special programs at federal research facilities such as NASA Langley Research Center or National Laboratories, with prior approval of the thesis advisor.

Upon completion of the Master of Science in Materials Science program, students will demonstrate the following competencies:

- Ability to a apply fundamental and current materials science knowledge to solve problems related to materials structure, properties, applications, and their relationships,
- Ability to design, plan and perform experiments for materials preparation and characterization,
- Ability to prepare and communicate advanced professional reports orally and in writing, including appropriate reference to relevant technical literature, and
- Demonstrate professional and ethical behavior as a materials scientist.

All general policies and procedures of the Norfolk State University Graduate School are in effect, except those that are superseded by the following specific policies of the Master of Science in Materials Science program. The program is governed by the Graduate Council, which meets monthly during the regular academic year. Between meetings, the program is administered by the Graduate Program Coordinator, who also provides academic advising for graduate students prior to their selection of a research advisor.

Minimum Degree Requirements

All students are required to complete a total of 33 credit hours, including research and thesis preparation credits. This requirement includes the following 18 credit hours of core courses:

Code	Title	Credits
CHM 545	Mathematical Method	3
MSE 530	Materials Science	3
MSE 533	Polymers/Composites	3
MSE 535	Electronic and Optic Material	3
MSE 575	Basic Instrumentation for Material Sci	3
PHY 580	Quantum Mechanics for Material Science	3

In addition to the core courses, students must complete nine (9) hours of approved technical electives and six (6) hours of research in Materials Science. Preparation of a thesis and oral thesis defense is required. Students are expected to present their findings at local and national conferences and to participate in related workshops and short courses as determined by the research advisor and by the Thesis Committee.

Academics Standards

In order to graduate, students must complete the curriculum with a minimum 3.0 grade point average on a 4.0 scale. Each student's progress is reviewed at the end of each semester by the student's Research Advisor. The system of grading is as follows:

Grade	Grade Points	Interpretation
A	4.0	Excellent
A-	3.70	Excellent
B+	3.30	Good
B	3.00	Satisfactory
B-	2.70	Fair
C+	Below 2.7[1]	Unsatisfactory

[1] *Course must be repeated to fulfill graduation requirement.*

Students with a GPA of 3.00 or higher are considered to be in good academic standing. In order to receive teaching or research assistantships, students must generally be in good academic standing, register for a minimum of nine (9) credit hours of approved course work each semester, and be making normal progress toward degree completion.

Failure to maintain the required 3.0 GPA results in probationary status or suspension from the program. (Note: Undergraduate level courses may not be included in the calculation of the hours earned, or the calculation of the GPA.)

Hours Earned	Probation GPA	Suspension GPA
0-9	2.00-2.99	1.99 and below
10-19	2.3-2.99	2.29 and below
20-29	2.50-2.99	2.49 and below
30 or more	2.8-2.99	2.79 and below

Students on probationary status generally do not receive renewals of teaching or research assistantships and are not eligible for tuition grants. Students who were admitted on a provisional basis will not be changed to regular status unless the required 3.0 GPA is obtained.

Students placed on suspension are not permitted to enroll in additional courses in the Materials Science program until reinstatement is granted by the Materials Science Graduate Committee. The request for reinstatement should include explanation of mitigating circumstances surrounding past academic performance and/or justification for predicting future success in the program if reinstatement is granted. The Materials Science Graduate Committee will review the request and may interview the suspended student prior to making a final recommendation. The Committee may require successful completion of relevant undergraduate courses, or other conditions as a requirement for reinstatement.

Summary of Graduation Requirements

Subject Area	Credits
Major Requirements	18
Electives	9
Other Requirements	6
Total Credit Hours	**33**

Curriculum

Core Courses

Course	Title	Credits
First Year		
MSE 530	Materials Science	3
CHM 545	Mathematical Method	3
MSE 533	Polymers/Composites	3
MSE 535	Electronic and Optic Material	3
MSE 575	Basic Instrumentation for Material Sci	3
PHY 580	Quantum Mechanics for Material Science	3
	Credits	**18**
Second Year		
Technical Elective (p. 95)		3
Technical Elective (p. 95)		3
MSE 697	Research I	3
Technical Elective (p. 95)		3
MATS 799	Thesis	3
	Credits	**15**
	Total Credits	**33**

Technical Electives

Code	Title	Credits
Take 9 credits from the Technical Electives list		9
CHM 633	Molecular Dynamics	
CHM 663	Atomic/ Molecular Spectroscopy	
PHY 653	Solid State Physics	
PHY 675	Electricity and Magnetism	
MATS 610	Special Topics	
MATS 710	Special Topics II	
EEN 650	Microelectromechanical Systems (mems)	
EEN 661	Optics and Lasers	
EEN 663	Solid State Devices	
MSE 607	Materials for Nanotechnology	
MSE 609	Intro to Computational Materials Science	
MSE 660	Organic Optoelectronic Materials/Devices	
MSE 703	Materials Devices for Energy Conversion	
MSE 704	Thin Film Phenomena	
OEN 540	Lasers and Photonics	
OEN 560	Optical Communications I	
OEN 630	Opto-Electronic Devices	
OEN 661	Opticsaandalasers	
Total Credits		**9**

Admission Requirements

The application requirements for the Master of Science Program in Materials Science are as follows:

1. A bachelor's degree in Chemistry, Physics, Materials Science, Engineering or a related field from a regionally accredited institution and have a 3.0 grade point average on a 4.0 scale.
2. Submission of a complete application including the following:
   a. Completed Application Forms
   b. Application Fee
   c. Statement of purpose of at least 500 words explaining how the program will advance your career goals
   d. Updated Resume
   e. At least three Letters of Recommendation from persons who are qualified to evaluate your academic and research experience
   f. Official Transcripts
   g. TOEFL scores for international applicants, minimum score of 80 (Internet) or 550 (Paper).

Admission to the Master's program in Materials Science may be regular or provisional. The admissions committee will conduct a holistic review of all applicants and may adjust/waive certain requirements while complying with the university and School of Graduate Studies and Research general admission policies.

For regular admission, applicants must have a bachelor's degree in chemistry, physics, engineering, materials science, or a related field (as long as evidence for completion of mathematics, chemistry and physics pre-requisite courses is provided) from a regionally accredited institution and have a 3.0 grade point average on a 4.0 scale. Equivalent degrees from foreign institutions may also be accepted.

Non-Degree Status

Non-degree status may be granted to a person who has a baccalaureate degree in an appropriate field and who wishes to take particular courses without pursuing a graduate degree. The courses may be taken on a credit or a non-credit basis. Generally, a maximum of nine credit hours with a 3.0 average or above may be applied toward degree requirements if the non-degree student is subsequently admitted to the Master of Science in Materials Science program. Non-degree students are ineligible for fellowships or assistantships administered by the Materials Science Graduate Committee.

Transfer Credits

Generally, a maximum of nine (9) credit hours of graduate work at another accredited institution may be accepted as transfer credit, provided that the conditions of the Graduate School are met. However, under unusual circumstances, the Materials Science Graduate Committee may recommend that additional credits be accepted toward degree requirements. Transfer students should consult the Program Coordinator for further information regarding transfer credits.

Residence Requirements

Candidates for the Master of Science in Materials Science must be enrolled at Norfolk State University for a minimum of two semesters prior to graduation. Thesis research must be conducted under the supervision of a regular or adjunct NSU faculty member approved by the Materials Science Graduate Committee.

Re-admission

A student planning to interrupt his/her approved plan of study should consult his/her advisor. In some cases, continuous registration may be required by the Graduate School, or the filing of a “continuous matriculation” form may be required. Re-admission to the program after an absence of a semester or longer is not automatic and requires the filing of an admission application.

Nursing and Allied Health

Dr. Jamela M. Martin
(757) 823-9013

The Department of Nursing and Allied Health is committed to "transforming lives and communities." Through programs of high quality and standards, the department has been educating students for almost 60 years who are committed to providing safe, excellent, and culturally competent healthcare services through programs of high quality and standards.

The core values embraced by the faculty, staff, and students include competence, compassion, accountability, integrity, excellence, and teamwork. At NSU, we are student-centered and focused on "achieving with excellence." The department offers an online master's degree in Healthcare Administration.

Nursing and Allied Health Graduate Programs

- Health Informatics, M.H.I. (p. 99)
- Healthcare Administration, M.H.A. (p. 98)

Healthcare Administration, M.H.A.

Dr. Marie St. Rose, Interim Program Coordinator
mstrose@nsu.edu
(757) 823-2480

The Master of Healthcare Administration (MHA) seeks to prepare students to function as leaders in the delivery of health care services. The curriculum is competency-based and grouped in five domains: communication and relationship management, leadership, professionalism, knowledge of the health care environment, and business skills and knowledge. The program will be delivered fully online to provide flexibility for professionals who are balancing personal and work responsibilities with academia. The curriculum consists of 36 credits.

The Master of Healthcare Administration is designed to educate students to plan, direct, and coordinate the delivery of medical and health services. The program will prepare students to enter the workforce as healthcare administrators in a cadre of healthcare facilities throughout Virginia and the nation.

The program will expose students to the major forces that are transforming the healthcare industry and impacting the field of healthcare administration, for example, the aging and growing population, greater prevalence of chronic diseases, population health, and increase demand for healthcare services. Graduates will be knowledgeable in management and business principles to manage the delivery of health services and provide leadership in healthcare facilities and organizations.

Graduates will have the competencies to work in healthcare facilities such as hospitals, group physician practices, health insurance companies, outpatient clinics, government agencies, and pharmaceutical organizations.

Graduation Requirements

Subject Area	Credits
Course Requirements	33
Master's Project Requirements	3
Total Credit Hours	**36**

Curriculum

Code	Title	Credits
Semester One		
HCA 501	Healthcare Organizations	3
HCA 515	Healthcare Financial Management	3
HCA 532	Healthcare Marketing	3
Semester Two		
HCA 540	Epidemiology and Population Health	3
HCA 560	Leadership, Ethics, and Professionalism	3
HCA 599	Law of Healthcare Administration	3
Semester Three		
HCA 601	Research Methods in Health Services	3
HCA 624	Public Health Policy and Administration	3
HCA 640	Healthcare Economics	3
Semester Four		
HCA 674	Health Informatics	3
HCA 690	Human Resources in Healthcare	3
HCA 699	Master's Project	3

The curriculum for the Master of Healthcare Administration requires the successful completion of 36 credit hours of course work including a master's research project (3 credits). Students must complete all degree requirements within four years. Courses are offered in sequence every fall and spring semester.

Admission criteria to the Master of Healthcare Administration program are in accordance with the Graduate Council of Norfolk State University. The criteria for admission to regular status are as follows:

1. A baccalaureate degree from an accredited college or university. A foreign student should possess equivalent credentials.
2. A minimum overall undergraduate grade point average (G.P.A.) of 3.0 on a 4.0 scale.

A complete application file will include the following:

1. Online application to Norfolk State University.
2. Non-refundable application fee (must be paid online to submit an application).
3. A complete and official transcript from each college and/or university attended.
4. Resume

Transfer Credits

No more than 12 graduate credits may be transferred from other graduate schools.

Health Informatics, M.H.I.

Dr. Marie St. Rose, Interim Program Coordinater
mstrose@nsu.edu
(757) 823-2480

The MHI degree in Health Informatics is designed to educate students on how to use electronic health records (EHR) to support the delivery of healthcare services. The program will provide students with an understanding of health informatics as it relates to health data management and analysis. Students will learn to extract and organize health data. Students will be able to analyze the extracted data and provide healthcare providers with information to make improvements in patient care. The program will provide students with the knowledge and skills in coursework that address health informatics challenges (e.g., interoperability, inaccurate health data, and limited reporting). Students will study the processes and tools used to record, store, and analyze healthcare information. The MHI degree program will produce graduates who are generalist and possess the appropriate foundational knowledge and skills to apply principles and concepts of health informatics to manage and analyze health data.

ADMISSION REQUIREMENTS

Applicants are accepted for admission on the basis of qualifications, without regard to sex, age, race, religion or national origin. The following are required:

- Completion of the online application.
- Completion of an undergraduate degree from an accredited college or university.
- A minimum GPA of 2.8 on a 4.0 scale for conferred degree(s).
- Transcripts from any college attended.
  - Unofficial transcripts are acceptable for application review. A final official transcript with conferred degree is required if admitted. Final official transcripts must be sent electronically or mailed directly from the issuing institution to The Office of Graduate Studies, 700 Park Avenue, MCAR Ste 602, Norfolk, VA 23504
- Resume
- No GRE required.

International Students

- International students who attended undergraduate school at a non-US. institution must submit an official, evaluated transcript with a course-to-course analysis and grade point average from an approved agency such as the World Education Services (WES) or Educational Credential Evaluators (ECE).
- Applicants whose native language is not English are required to demonstrate the necessary level of proficiency in English Language by the following:
  - Taking the Test of English as a Foreign Language (TOEFL), IELTS, or equivalent language proficiency test.
  - Six semester hours or more of college-level English completed with a grade "C" or better at an accredited institution;
  - Possession of a bachelor's or master's degree equivalent from an accredited institution located in a country where English is the native or dominant language.
- The Master of Health Informatics (MHI) is fully online which means that international students are not eligible for an I-20 to come to the US. International students who are in the U.S. do not qualify to enroll in the MHI degree program.
- If an international student is admitted and completes the course requirements outside of the US, he/she should prepare to come to the U.S. to complete the internship requirement in Norfolk, Virginia where Norfolk State University is located. Students should prepare to apply for their I-20 at least three (3) to four (4) months prior to the start of the internship. The requested dates on the I-20 should cover the length of time needed to complete the internship.

To ensure adequate time for processing prior to enrollment, the Graduate School must receive your application, transcripts(s), and resume by May 1, for fall semester enrollment.

Graduation Requirements

Subject Area	Credits
Core Requirements	27
Internship	6
Total Credit Hours	**33**

Curriculum

Course	Title	Credits
First Year		
Fall		
HCA 501	Healthcare Organizations	3
HCA 540	Epidemiology and Population Health	3
HCA 599	Law of Healthcare Administration	3
	Credits	**9**
Spring		
MHI 610	Electronic Health Records	3
MHI 620	Population Health Analytics	3
MHI 630	Health Data Management	3
	Credits	**9**
Summer		
Summer Term A		
MHI 650	Health Informatics Internship	6
	Credits	**6**
Second Year		
Fall		
HCA 674	Health Informatics	3
MHI 690	Health Equity and Health Informatics	3
MHI 699	Emergency Response/Health Informatics	3
	Credits	**9**
	Total Credits	**33**

SCHOOL OF SOCIAL WORK

Dr. Isiah Marshall, Jr., Dean
(757) 823-8668
Dr. Kirsten Ericksen, Associate Dean
(757) 823- 8296

The Ethelyn R. Strong School of Social Work at Norfolk State University was established in 1960 with the founding of the Baccalaureate Social Work (BSW) Program. Its Master of Social Work (MSW) degree and Doctor of Philosophy in Social Work (Ph.D.) degree programs were added in 1974 and 1995, respectively. Thus, the School, along with its Continuing Education Program, offers the full continuum of social work education.

The School's mission is to provide social work education programs which prepare students with competence to develop and deliver services which strengthen and/or empower individuals, families, and communities. The School and its programs emphasize the values of social justice, social responsibility, and respect of human rights, dignity, and diversity. The School is especially committed to address the strengths and challenges for an ethnically and culturally diverse client population in an evolving global community.

Accreditation

The School of Social Work's Baccalaureate Social Work Program and Master of Social Work Program are accredited by the Council on Social Work Education (CSWE).

School of Social Work Programs

- Social Work, M.S.W. (p. 106)
- Social Work, Ph.D. (p. 101)

Social Work, Ph.D.

Dr. Viola Vaughan-Eden, Program Director
(757) 823-8773

Program Mission

The mission of the Ph.D. Social Work Program is to provide a high-quality doctoral education for a culturally diverse student population. The program aims to develop scholars and leaders who generate and disseminate social work knowledge, promote a scientific basis for practice, facilitate policy advancement, and advocate for social and economic justice in a global environment.

Program Goals

The program is designed for students who are committed to social work values and ethics as well as scholarship, research, and teaching that foster social justice. It prepares students to discover, integrate, apply, communicate, disseminate and extend knowledge about social work practice and social welfare. A student's capacity to make significant original contributions to knowledge in a context of freedom of inquiry and expression is emphasized. Nationally prominent faculty with expertise in diverse areas of practice, research, and teaching, mentor students toward this end.

Goal 1: Prepare students to be scholars and foster the highest educational standards of excellence for student achievement.

Goal 2: Prepare students, utilizing an innovative curriculum, to become effective leaders of the profession and discipline.

Goal 3: Prepare students to produce high-quality research that addresses evolving social issues.

Student Learning Outcomes

1. To acquire knowledge of the epistemological base for social work practice, various practice theories, and the relationships among perspectives, paradigms, conceptual frameworks, and contemporary practice models.
2. To acquire knowledge and skills in applying methods of advanced statistical analysis to social work practice and theoretical problems.
3. To acquire knowledge and skills about perspectives and paradigms of social welfare policy and analysis from divergent political ideologies.
4. To acquire the competencies and attributes that are essential to effective leadership in social work.
5. To prepare students for leadership positions in social work education, social work administration, research, and policy.
6. To acquire knowledge and skills to be able to evaluate the new and evolving needs and problems of special populations, such as racial and ethnic minority and other diverse family groups in need of social work services.

Mentorship Program

A special component of the doctoral program is the mentoring/advising system. A faculty mentor is assigned to each doctoral student. The academic mentor functions in a variety of roles, such as supporter, role model, academic advisor, research collaborator, advocate, and broker to professional networks. All mentors establish and maintain consistent formal and informal contact with their mentees.

Mentors assigned to students receiving teaching assistantships assist the students in developing their competence in university teaching. Mentors assigned to students receiving research assistantships focus on the students' competency in research. Generally, mentors provide assistance to doctoral students in various areas of professional preparation and scholarship, including teaching, research, scholarly writing and presentations, and professional leadership activities.

Course Information

Course materials are provided via Blackboard, the course management system utilized by Norfolk State University. All students have full access to the course materials at the same time and throughout the semester. Courses meet weekly and participation in Blackboard activities are part of course requirements. Students are expected to have regular access to a computer. Course examinations may be administered via Blackboard.

Grades

Grades of B- and below are failing grades in the Ph.D. program and therefore, do not meet the academic requirement for successful completion of course work.

Course Repeat Policy

A student who receives a grade of B- or below in a concentration or elective course, but has a cumulative grade point average of 3.0 (B), may repeat the course and continue in the PhD program upon recommendation of the student's academic advisor and approval of the Director. No course can be repeated more than once. Failure to earn a passing grade in a course repeated will result in academic dismissal from the Ph.D. Program.

A student will be permitted to repeat no more than two separate courses in the Ph.D. Program. A third grade of B- or below will result in dismissal.

Incomplete ("I") Grades

Students must make arrangements with the instructor to remove an "I" grade. The instructor will set a time limit, usually no later than mid-term of the next semester, for the removal of the "I". After a one (1) year time limit, the "I" grade will automatically change to the "F" grade. Students with "I" grades are not eligible to take the Comprehensive Examinations. Students who fail to remove an "I" grade within the designated time frame will not be permitted to continue in the program.

Comprehensive Examination

After successful completion of all coursework, students are required to pass SWK 950 Comprehensive Examinations. The Ph.D. Committee administers the Comprehensive Examination on the main campus of Norfolk State University. Students must be present on campus to sit for the examination.

The purpose of the examination is to assess students' ability to conceptualize, integrate, and communicate knowledge pertaining to their educational experience. The examination consists of a written test, which assesses students' mastery of policy, theory, and research content. Successful completion of the Comprehensive Examination qualifies a student for admission to Candidacy for the degree of Doctor of Philosophy in Social Work.

If a student fails any portion of the examination, he or she may retake that portion of the examination the following semester. Failure to pass on retesting will result in the student's dismissal from the program.

Students who fail all three sections of the Comprehensive Exam on the first attempt are automatically dismissed from the Program.

Candidacy for the Ph.D. in Social Work

Successful completion of the Comprehensive Examinations qualifies the doctoral student for candidacy status. After achieving candidacy status, doctoral students must propose and complete a dissertation study under the direction of the five-member Dissertation Committee.

Proposal Defense

The candidate is required to complete a dissertation proposal under the direction of the dissertation chair. The proposal is submitted to the committee for review and approval. The Dissertation Committee will evaluate the merit of the proposed study and the feasibility of the research methodology. The Committee will approve the proposal or recommend amendments or modifications. The Dissertation Committee, as well as the Program Director, must approve the dissertation proposal before work on the dissertation is initiated.

IRB

Upon successful completion of the oral defense of the dissertation proposal the candidate, under the direction of the chair, will complete and submit an Institutional Review Board (IRB) application. No research may be conducted or data collected without formal written approval of the NSU IRB. Candidates are expected to comply with all policies and procedures of the IRB. Failure to comply with IRB procedures will result in dismissal from the Ph.D. Program. Students are encouraged to visit the NSU Office of Sponsored Programs' website for complete details.

Dissertation

Completion of the Dissertation is the final requirement for the Ph.D. in Social Work. The dissertation demonstrates the candidate's capabilities with respect to knowledge building that is relevant to the profession of social work.

The Dissertation Committee, under the leadership of the Chair, supervises the completion of the dissertation and conducts the final dissertation defense. Candidates may not sit for the final oral dissertation defense until the dissertation is completed, approved by the chair and the dissertation committee, and submitted to the Doctoral Program Office. The dissertation committee must formally attest that the candidate is ready to proceed to the defense. All dissertation committee members, the chair, and the candidate are expected to be present on the main campus for the final dissertation defense.

The candidate presents, explains, and justifies his/her research. Contributions of the research to the profession of social work are presented. Proposal defenses and final dissertation defenses must be publicly announced via the Ph.D. Program Office at least two weeks in advance of their occurrence. All announcements will be displayed until the defense date has expired. This policy is intended to foster maximum participation of interested faculty and students and promote scholarly interaction and inquiry.

Because the requirements for formatting and submitting dissertations are unique to the School of Social Work as well as the School of Graduate Studies and Research, the candidate must follow the current policies and procedures specified in the Dissertation Guide for completion of the final copy of the Dissertation.

Continuation and Exit Requirements

After admission, continuation in the Ph.D. Program is contingent upon successful completion of coursework, which is defined as earning no less than a "B" grade in each course of the student's program of study. Students must maintain a 3.0 cumulative grade point average each semester.

Graduation

Candidates for the Ph.D. in Social Work must submit an application for graduation and follow all application guidelines contained in the Graduate Catalog and Ph.D. Program Handbook. Candidates may not apply for graduation until they have successfully defended their dissertation as approved by the dissertation committee, the Ph.D. Program Director, and the Deans of the Schools of Social Work and Graduate Studies. All necessary revisions required by the dissertation committee must be completed and approved by the dissertation chair prior to application for graduation. The final bound copies of the approved dissertation must be distributed according to the Dissertation Guide, prior to certification for graduation.

The Ph.D. Program Director, the Dean of the School of Social Work, and the Dean of the School of Graduate Studies and Research must review and approve the final dissertation prior to graduation.

Withdrawal from a Course, the Program, or the University

Students must follow the guidelines and procedures for withdrawals as outlined in the Ph.D. Program Handbook and the Graduate Catalog. Students will receive a copy upon admission.

Appeal Process

The process for student appeals is discussed in the Ph.D. Social Work Program Handbook and the Graduate Catalog, and is consistent with the procedures of the University and School of Social Work.

Academic Honesty

Academic honesty includes adherence to guidelines established by the University, its schools and their facilities, for the use of its libraries, its computers and other facilities.

COSTS AND FINANCIAL OBLIGATIONS

Tuition and Fees

The Student Accounts Department is the general billing and collections office for student tuition, course fees, room and board, and other education-related fees. Information regarding tuition and fees for students can be found at the office of Student Accounts' website: https://www.nsu.edu/student-accounts/tuition-and-fees (https://www.nsu.edu/student-accounts/tuition-and-fees/).

Financial Aid

The Office of Financial Aid Office works diligently to assist students as they pursue their educational endeavors. NSU offers a wide variety of financial aid programs, including: scholarships, grants, student employment opportunities and loans. Please visit: https://www.nsu.edu/enrollment-management/financial-aid/index (https://www.nsu.edu/enrollment-management/financial-aid/index/)

Teaching and Research Assistantships

Teaching and research assistantships may be available to full-time students. These assistantships are designed to support full-time study and include a stipend plus tuition. Assistantships are generally granted for three years of doctoral study. Students may apply for assistantships when they apply for admission to the doctoral program. A personal interview is required.

Ph.D. Curriculum

Curriculum Credits Required for Degree. Fifty-four hours are required for the Doctor of Philosophy (Ph.D.) Degree in Social Work.

Core Curriculum

Students are encouraged to have a Master of Social Work degree and a background in social work. Thus, core courses are designed to review, frame, and expand social work knowledge and competencies. The core curriculum consists of 15 credit hours requiring the following courses:

Code	Title	Credits
SWK 810	Seminar: Scholarly Writing	3
SWK 811	Theories and Models of Practice	3
SWK 813	Introd Research Methods for Social Work	3
SWK 814	Social Welfare History and Philosophy	3
SWK 910	Dissertation Seminar	3
Total Credits		**15**

The curriculum is designed to align with the quality guidelines published by the Group for the Advancement of Doctoral Education in Social Work (GADE). Core and required courses in each category meet the professional standards of GADE. GADE acknowledges that graduates will pursue professions in the discipline directly related to research, scholarship, and teaching.

The focus of the core curriculum is to educate students on the epistemological basis and research methods for social work practice and policy. The courses focus on teaching students to critically analyze theories, practices, policies, and research to improve social welfare. The core courses will provide students with the foundation and understanding of the history and philosophy of the social work profession. Students will learn to use methods and modalities of research inquiry to disseminate an original body of work to contribute to the knowledge base of the profession. Students will also gain knowledge in research design and theory development. Coursework will allow students to examine contemporary theories and policies in the context of current social justice issues.

Policy coursework will educate students on the development of local, state, and federal policy in the United States to evaluate and address social problems and daily operations of the criminal justice system.

Coursework specific to teaching will expose students to the role of a social work educator. Students will learn the curriculum development process and how to align education philosophy to contemporary social issues and trends.

The dissertation requirement will allow students to create and present an original body of work that focuses on social welfare issues in the profession.

Curriculum

Full-Time

Full-time student status requires a minimum course load of 9 credit hours each semester for four consecutive semesters. Students enroll in a 15 credit hour core curriculum. An additional 27 credit hours of curriculum, 3 credit hours of electives, and 9 credit hours of dissertation work are required.

Summary of Graduation Requirements

Subject Area	Credits
Major Requirements	42
Electives	3
Dissertation	9
Total Credit Hours	**54**

First Year		Credits
SWK 810	Seminar: Scholarly Writing	3
SWK 811	Theories and Models of Practice	3
SWK 813	Introd Research Methods for Social Work	3
SWK 814	Social Welfare History and Philosophy	3
SWK 816	Qualitative Research Methods	3
SWK 817	Social Policy Analysis and Evaluation	3
SWK 818	Seminar: Diversity, Equity, & Inclusion	3
	Credits	**21**
Second Year		
SWK 812	Innovative Pedagogy	3
SWK 819	Advanced Research Methods	3
SWK 820	Seminar: Culture, Privilege, and Oppression	3
SWK 840	Social Work & Criminal Justice Policies	3
SWK 821	Applied Structural Equation Modeling	3
SWK 822	Curricula Dev, Organization, & Change	3
SWK 910	Dissertation Seminar	3
SWK XXX	Restricted Elective	3
	Credits	**24**
Third Year		
SWK 999A	Doctoral Dissertation	9
	Credits	**9**
	Total Credits	**54**

Part-Time

Summary of Graduation Requirements

Subject Area	Credits
Major Requirements	42
Electives	3
Dissertation	9
Total Credit Hours	**54**

First Year		Credits
SWK 811	Theories and Models of Practice	3
SWK 813	Introd Research Methods for Social Work	3
SWK 816	Qualitative Research Methods	3
SWK 818	Seminar: Diversity, Equity, & Inclusion	3
	Credits	**12**

Second Year		
SWK 810	Seminar: Scholarly Writing	3
SWK 814	Social Welfare History and Philosophy	3
SWK 817	Social Policy Analysis and Evaluation	3
	Credits	**9**
Third Year		
SWK 819	Advanced Research Methods	3
SWK 820	Seminar: Culture, Privilege, and Oppression	3
SWK 812	Innovative Pedagogy	3
SWK 840	Social Work & Criminal Justice Policies	3
	Credits	**12**
Fourth Year		
SWK 821	Applied Structural Equation Modeling	3
SWK 822	Curricula Dev, Organization, & Change	3
SWK 910	Dissertation Seminar	3
XXX XXX	Restricted Elective	3
	Credits	**12**
Fifth Year		
SWK 999A	Doctoral Dissertation	9
	Credits	**9**
	Total Credits	**54**

Admissions

Requirements and Procedures

Admission to the Ph.D. Program in Social Work is a highly selective process. The School recruits doctoral students who demonstrate high academic achievement, strong personal motivation, professional backgrounds of consistent growth and achievement and a commitment to contribute to expanding and disseminating evidence-based and evidence-informed knowledge for family-centered social work. The requirements for admission are as follows:

1. MSW degree, with a grade point average of 3.0 or higher on a 4.0 scale;
2. Two years of full-time, paid post-master's social work practice experience preferred;
3. Successful completion of a graduate course in research;
4. Successful completion of a graduate course in statistics;
5. Personal statement of career goals and research interests;
6. Four letters of recommendation: one academic, one personal/ professional, and two recent work references.
7. Graduate Record Examination (GRE) scores are required for admission.

Application Process

The procedures for completing the application process are as follows:

Application for Admission

The School of Social Work PhD Program has a rolling admission process; preference is given to those who submit their application by March 1. Students are admitted once per year, in the fall semester.

Transcripts

The applicant must have two official transcripts from each college and/or university attended sent.

Graduate Record Examination (GRE)

GRE scores are used as diagnostic criteria for admission.

Interview

The applicant may be invited for, or may request a personal interview with members of the Doctoral Admissions Committee.

References

The applicant is responsible for listing four references on the appropriate forms provided as part of the online application process. Written letters should be submitted directly to the School of Social Work and addressed to the PhD Program Director.

Personal Statement

The applicant must provide a written statement meeting the specifications, including career objectives, professional background, and preparation and qualifications for successful doctoral work.

Scholarly Writing

Applicants are required to submit an example of their scholarly written work.

Application for Financial Aid

Teaching and/or research assistantships may be available to full-time doctoral students on a limited basis. To be considered for financial aid or assistantships offered by the University, applicants must submit a financial aid application along with the online application for admission. All awards are subject to the availability of funds.

Assistantship applications are assessed on each applicant's academic performance, quality and breadth of professional social work experiences, scholarly work, community service, personal statement of educational and career goals, letters of recommendation, and the personal interview.

There are two major objectives of the personal interview. For the applicant, the interview provides an opportunity to ask questions, gain information, and clarify plans for undertaking doctoral studies. For the Doctoral Committee, the interview offers an opportunity to raise questions that may stem from the written application and to deepen the impressions of the applicant's interest in, capacity for, and commitment to doctoral education in social work.

Applications for admission should be completed online via School of Graduate Studies and Research website. All written correspondence regarding the doctoral program should be directed as follows:

Norfolk State University
700 Park Avenue
Norfolk, VA 23504

Admissions

Admission to the Ph.D. program in Social Work is granted on a space availability basis to students who meet all admissions requirements. Generally, coursework in the Ph.D. program can be completed in two calendar years of full-time study, although individual differences can be expected. All degree requirements, including the dissertation, must be completed within seven (7) years of admission to the program.

Admitted students must complete a minimum of one-year residency prior to admission to candidacy for the Ph.D. Residency refers to full-time

enrollment or a minimum of nine credit hours of graduate coursework each semester for two consecutive semesters.

Full-time Students

Full-time student status requires a minimum course load of 9 credit hours each semester for four consecutive semesters. Students enroll in a 9 credit hour core curriculum during the first semester. An additional 21 credit hours of concentration curriculum, 12 credit hours of electives, and 12 credit hours of dissertation work are required.

Part-time Students

The School of Social Work has available a part-time program of doctoral study. Applicants for part-time status must meet all requirements for admission to the doctoral program. The number of part-time students admitted will be limited, according to an ongoing assessment of resources necessary to achieve program purposes and goals.

Provisional Admissions

An applicant may be admitted to the doctoral program on a provisional basis only in the case of failure to meet prerequisites for research and/or statistics. Provisional status is granted for one semester. Regular admission is granted upon completion of the prerequisites. Financial aid is not available to provisional students.

Transfer Credits

Transfer students are students who have been enrolled in a doctoral program in a college or university other than Norfolk State University. Transfer students must meet the same general admissions requirements. A maximum of 9 transfer credit hours may be granted for coursework completed in a doctoral program, located in a CSWE accredited School of Social Work and upon approval of the PhD Program Director. Courses considered for transfer credit must satisfy the following criteria: Completed in a doctoral program at an accredited institution;

- Completed with a minimum grade of “B”;
- Compatible with the student’s program of study;
- Not completed through correspondence or an examination;
- Completed within three years of the initiation of the request for the transfer credit, and
- Credits have not been applied toward another degree.

International Students

International students are required to apply for admission to the PhD program similarly to any applicant. Foreign nationals must receive a minimum score of 550 on the test of English as a Foreign Language (TOEFL). The Educational Testing Service administers the TOEFL in testing centers all over the world. Please visit the Norfolk State University International Student Services website for additional information: https://www.nsu.edu/iss (https://www.nsu.edu/iss/). Students should also visit the TOEFL website for a testing schedule at:

Test of English as a Foreign Language Educational Testing Service
P.O. Box 6155
Princeton, NJ 08541-6155 USA
(609) 771-710
Email: toefl@ets.org
Web: http://www.toefl.org

Social Work, M.S.W.

Dr. Breshell Jackson-Nevels
MSW Program Director
bjnevels@nsu.edu
757) 823-9236

Director of MSW Admissions
(757) 823-8668

MSW Program overview

The Master of Social Work degree program is based on the assumption that social workers should operate from a common base of knowledge, philosophy, values, and skills. The program is designed to transmit these basic components through a solid foundation of core and concentration courses. The MSW Program subscribes to an ecological/social systems, diversity, empowerment, and strengths orientation which enables the practitioner to provide services based on the client system's needs using differentiated models of practice.

The MSW Program produces capable, well-informed graduates who will:

- Achieve a level of analytical, interactional, and technological competence necessary for responsible and effective professional practice.
- Demonstrate mastery of the Council on Social Work Education (CSWE) core competencies to initiate social work practice in clinical social work with individuals, families, and groups.
- Meet the needs, responsibilities, and work requirements of agencies and programs
- Engage in life-long learning and pursue advanced training in a doctoral program in social work in an ever-evolving global and technological community.

The MSW is a clinical program that provides students will an option of one of four specializations (Child Welfare, Macro, Military, and School Social Work). The Clinical program prepares graduates to become licensed clinical social workers (LCSW). Students gain the knowledge and skills needed for advanced clinical social work practice in agencies providing direct services to various client populations. Graduates are prepared to competently and effectively intervene with individuals, families, and small groups in a number of organizational settings, such as child and family services, health, mental health, school social work, and military social work. Students receive in-depth training in the application of a range of theories and practice approaches utilized in clinical services to individuals, groups, and families.

Specializations

Child Welfare Social Work. The Child Welfare curriculum prepares students to understand the child welfare system, emerging trends, and issues, and to provide competency-based services to children and families in the child welfare system.

Macro Social Work. Macro-level social work focuses on the community at large and systems-level functions. Social workers, in this segment of the field, work with large groups of people, communities, cities, and major institutions.

School Social Work. The School Social Work curriculum prepares students to practice as clinical social workers in various school settings with diverse populations.

Military Social Work. The Military Social Work curriculum prepares students to provide optimal clinical services to veterans, active-duty personnel, and their families.

Degree Requirements

Completion of a minimum of sixty (60) credit hours which are prescribed from courses offered by the School and other graduate programs. Maintenance of a minimum average of 3.0 on a 4.0 scale for all academic courses taken. Maintenance of a grade of at least 3.0 (B) on a 4.0 scale for each field practicum and all practice courses. Two consecutive semesters of full-time residence status. Generally, the final year of study is used to meet this requirement.

Completion of all degree requirements within four (4) years of matriculation. Adherence to the National Association of Social Workers (NASW) Code of Ethics.

All financial obligations to the University and to the School of Social Work must be met before degrees are conferred.

Continuing Education

The Continuing Education Program of the School of Social Work is based upon the School's commitment to the delivery of quality social work services and community service. This commitment is based on the awareness that it is by sustained participation in professional development that social workers maintain and enhance their competencies. Also, human service organizations are empowered to respond to change in professional knowledge and in their environment. The Continuing Education Program seeks to provide such opportunities to multi-level groups in a flexible and consumer responsive manner grounded in adult learning principles.

Admission Requirements

Admission to the MSW Program is coordinated by the Director of Admissions. Application materials must be submitted online at www.nsu.edu (http://www.nsu.edu) to the School of Graduate Studies and Research. The MSW Admissions Committee reviews completed applications and makes recommendations on admission to the Dean of Graduate Studies and Research.

All prospective students are required to have a baccalaureate degree and meet specific prerequisite course requirements. International students are required to meet all admissions requirements and show equivalent qualifications.

The requirements for admission are as follows:

- BSW or other baccalaureate degree with a grade point average of 2.7 on a four (4.0) point scale.
- A minimum of twenty-one (21) credit hours in three content areas (with a GPA of at least 2.7) in the social and behavioral sciences (e.g., psychology, sociology, political science, economics, counseling, anthropology, women's studies, family studies and social work and social welfare).
- A minimum of 15 credit hours in the Liberal Arts in three content areas (e.g., art, cultural literature, cultural history, humanities, languages, music, philosophy, religion, and speech).
- A three credit hour prerequisite course in Human Biology. (Lab not required)
- A prerequisite course in Social Science Statistics (three credit hours with a minimum grade of 2.0).

- Evidence of computer literacy, which is a prerequisite for research courses.
- No credit given for life or work experience.

Application Process

Full Time and Extended Time students are admitted in the fall semester only. Advance Standing students are admitted in the summer and spring only.

Application Deadline

March 1 is the deadline for fall semester admissions and for summer admission to the Advanced Standing Program. October 15 is the deadline for Advanced Standing students entering the MSW Program in the spring semester.

Norfolk State University's Graduate School is the portal through which all applications for graduate study enter. The following documents must be uploaded with the online application by the deadline date of March 1:

- Three reference letters are required (one academic, one professional, one volunteer).
- Copies of official transcripts from all universities attended.
- Personal Statement, following the supplemental guidelines that are provided.
- The Academic Summary Form detailing the completion of all prerequisite requirements.
- A current resume that details work, volunteer, and academic experiences. (Include information about special recognitions.)

The MSW Admission Committee evaluates the admission packets. Applicants for admission to the MSW program should have at least a 2.7 grade point average as 50% of the weight is given to that component of the application. Applicants must follow the supplemental guidelines that are provided for the personal statement, as this component is 40% of the application. Additionally, applicants receive a 10% rating for their work, volunteer experience, and letters of recommendations.

An applicant may be requested by the MSW Admissions Committee to come for an interview. An applicant may also request an interview.

Matriculating Admission

Full-Time Students

This admission status is granted to applicants who meet all admission requirements. Persons admitted under this curriculum enroll for the normal sequence of courses and field work with the goal of meeting all requirements for the Master of Social Work degree in two academic years.

Extended-Time Students

The Extended-Time MSW Program permits students to complete requirements over a six (6) semester period. This plan requires full-time enrollment but extends the course of study beyond the normal two-year academic period.

Advanced Standing Students

This admission category is in recognition of superior academic performance during prior education in a Council on Social Work Education (CSWE) accredited undergraduate Social Work/Social Welfare program. Based on the Admissions Committee assessment of this performance, a student may be granted the opportunity to accelerate his/her MSW program.

Application to the Advanced Standing Program must be within five (5) years of graduation. Applicants must have completed, with a grade of B or better, a minimum of 400 clock hours of educationally directed field experience as part of the bachelor's degree program. The minimum academic requirement for consideration is the attainment of a 3.00 cumulative grade point average on a 4.0 scale for academic courses other than social work, and a 3.50 cumulative grade point average for social work/social welfare courses.

Applications to the Advanced Standing Program will be reviewed by the School's MSW Admissions Committee. Consideration will be given to the applicant's scholarship, academic background, field experience, and work experience. Academic records from undergraduate programs will be of particular importance in evaluating the learning acquired during the applicant's field experience. Furthermore, qualifications that indicate the potential for meeting the requirements to Advanced Standing will be ascertained via references, reports, and an interview with the MSW Admissions Committee.

Advanced Standing is a full-time continuous program consisting of one transitional semester (summer or spring) and two consecutive semesters. Selected applicants must begin the program during the spring or summer semester. Students in the Advanced Standing Program are not eligible for transfer credits, course substitutions or other course exemptions.

Transfer Students

Transfer students applying to the School of Social Work may receive a maximum of twenty-four (24) semester credit hours for work completed in an accredited graduate school of social work. Courses must have been completed within the past five (5) years and a grade of "B" or above must have been received in each course for which transfer credits are requested. Transfer credits will be awarded for field practicum to students who have completed their first year practicum requirements.

Non-Matriculating Students

Non-Matriculating status is a non-degree admission status. This category of admission is granted to persons with undergraduate degrees who wish to enroll in graduate social work courses but are undecided about curriculum choices or have no immediate plans to study for the Master of Social Work degree. The School will admit a limited number of applicants as non-degree students. Admission to certain courses will be on a space available basis and may require the approval of the Dean of Graduate Studies and Research.

A non-degree student, who, at a later date, desires to study for the Master of Social Work degree, must apply for admission as a matriculating student. Because of the competitive nature of admission, completion of non-degree coursework does not guarantee admission. Should admission be granted, a maximum of six (6) graduate credit hours can be taken as a non-degree student. Courses completed at Norfolk State University or other accredited institutions may be considered for transfer credit provided that the credits have not been applied toward another degree, the grade earned in each course is "B" or above, the courses are approved by the School of Social Work, and courses are completed within 5 years of admission to the MSW program.

All students should review the following items carefully:

- Planning with an assigned academic advisor is required to ensure that all requirements are met according to the defined sequence.
- Students should be aware that only a limited number of courses are offered in the evenings and during the summer session. Specific courses are offered only in the fall and spring sessions.
- Selection of elective courses should be made in consultation with an academic advisor.
- Current employment in a social work setting cannot be used to fulfill field practicum requirements.
- Neither semester of the final year can be reduced to fewer than nine (9) credit hours.

Students should discuss needs for extension with their academic advisor, the Director of the MSW Program, and receive approval from the Dean of Graduate Studies and Research.

MSW Information Sessions

Information sessions and individual appointments are available during the fall and spring semesters. Applicants are encouraged to attend a session to receive an orientation to the School and the University. Interested persons should call (757) 823-2463.

Criminal Record Policy

Applicants for admission will be required to disclose information about their backgrounds, including whether they have ever been convicted of a criminal offense. Prospective students who acknowledge prior criminal convictions will be requested to provide an explanation of their criminal record. Admission to the University, School of Social Work, and field practicum will be subject to review and approval by the appropriate committee.

MSW Curriculum

The curriculum is organized around a social/ecological/systems perspective and the degree conferred upon completion of four coordinated semesters of study in the two-year Master of Social Work Program (MSW). The degree requires completion of a minimum of sixty (60) credit hours generally distributed throughout five sequences:

- Social Work Practice Method,
- Human Behavior and the Social Environment,
- Social Welfare Policy,
- Research Methods, and
- Field Practicum. Students in their first year must complete 24 hours of practicum. Students in their second year must complete 48 hours of practicum.

Full-Time Students

Summary of Graduation Requirements

Subject Area	Credits
Major Requirements	24
Social Work Specialization/General Electives	18-21
Field Experiences	18
Total Credit Hours	**60-63**

Curriculum

First Year		
Fall		**Credits**
SWK 626	Foundation of Human Behavior and the Social Environment	3
SWK 651	Social Welfare Policy and Services	3
SWK 675	Social Work Profession	3
SWK 697	Research Methods I	3
SWK 690A	Field Practicum I	3
SWK 693A	Msw Field Practicum Orientation I	0
	Credits	**15**
Spring		
SWK 639	Ethnicity	3
SWK 698	Research Methods II	3
SWK 771	Social Work With Individuals	3
SWK 772 or SWK 762	Social Work With Groups or Community Practice	3
SWK 690B	Field Practicum I	3
SWK 693B	Msw Field Practicum Orientation I	0
	Credits	**15**
Second Year		
Fall		
SWK 730	Differential Assessment in Social Work	3
SWK 790A	Field Practicum II	6
SWK 793A	Msw Field Praticum Orientation I	0
XXX XXX	Specialization Courses	6-9
	Credits	**15-18**
Spring		
SWK 790B	Field Practicum II	6
SWK 793B	Msw Field Praticum Orientation II	0
XXX XXX	Specialization Courses/General Elective	9
	Credits	**15**
	Total Credits	**60-63**

Specialization Requirements

Military Curriculum Course Requirements

Code	Title	Credits
SWK 529	SW Practice With Military Families	3
SWK 663	Trauma and the Military	3
SWK 715	Intervention Strategies With Miltary Families and Personnel	3
SWK 740	Stem-Health for Social Workers	3
SWK 761	Military Policies and Services	3
SWK 772	Social Work With Groups	3

Macro Curriculum Course Requirements

Code	Title	Credits
SWK 652	Health Pros Child A	3
SWK 762	Community Practice	3
SWK 763	Advocacy and Social Planning	3
SWK 764	Social Service Administration	3
		3

SWK 765	Community Devel	3
SWK 775	Social Work With Families	3

Child Welfare Course Requirements

Code	Title	Credits
SWK 760	Child Welfare Policies and Services	3
SWK 772	Social Work With Groups	3
SWK 775	Social Work With Families	3
SWK 736	Substance Abuse	3
XXX XXX	Trauma/Informed Clinical Practice: Children & Families	s

Extended

Summary of Graduation Requirements

Subject Area	Credits
Major Requirements	48
Social Work Electives	9
Graduate Elective	3
Total Credit Hours	**60**

Curriculum

First Year		Credits
SWK 626	Foundation of Human Behavior and the Social Environment	3
SWK 651	Social Welfare Policy and Services	3
SWK 697	Research Methods I	3
SWK 639	Ethnicity	3
SWK 698	Research Methods II	3
SWK 736	Substance Abuse	3
	Credits	**18**
Second Year		
SWK 675	Social Work Profession	3
SWK 775	Social Work With Families	3
SWK 690A	Field Practicum I	3
SWK 693A	Msw Field Practicum Orientation I	0
SWK 771	Social Work With Individuals	3
SWK 760	Child Welfare Policies and Services	3
SWK 693B	Msw Field Practicum Orientation I	0
	Credits	**15**
Third Year		
SWK 772	Social Work With Groups	3
SWK 790A	Field Practicum II	6
SWK 793A	Msw Field Praticum Orientation I	0
SWK XXX	Policy Elective	3
SWK XXX	Practice Elective (Restricted)	3
SWK 790B	Field Practicum II	6
SWK 793B	Msw Field Praticum Orientation II	0
	Credits	**21**
	Total Credits	**54**

Note: Other courses may be required upon examination of transcripts

Advanced Standing

Summary of Graduation Requirements

Subject Area	Credits
Major Requirements	30
Social Work Electives	9
Graduate Elective	0
Total Credit Hours	**39**

Spring Curriculum

First Year		Credits
SWK 639	Ethnicity	3
SWK 730	Differential Assessment in Social Work	3
SWK 771	Social Work With Individuals	3
SWK 698	Research Methods II	3
XXX XXX	Graduate Elective	3
SWK 772	Social Work With Groups	3
SWK 775	Social Work With Families	3
SWK 790A	Field Practicum II	6
SWK 793A	Msw Field Praticum Orientation I	0
	Credits	**27**
Second Year		
SWK XXX	Policy Elective	3
SWK XXX	Practice Elective (Restricted)	3
SWK 790B	Field Practicum II	6
SWK 793B	Msw Field Praticum Orientation II	0
	Credits	**12**
	Total Credits	**39**

Summer Curriculum

First Year		Credits
SWK 639	Ethnicity	3
SWK 730	Differential Assessment in Social Work	3
SWK 771	Social Work With Individuals	3
XXX XXX	Graduate Elective	3
SWK 772	Social Work With Groups	3
SWK 775	Social Work With Families	3
SWK 790A	Field Practicum II	6
SWK 793A	Msw Field Praticum Orientation I	0
	Credits	**24**
Second Year		
SWK XXX	Elective	3
SWK 698	Research Methods II	3
SWK XX	Practice Elective (Restricted)	3
SWK 790B	Field Practicum II	6
SWK 793B	Msw Field Praticum Orientation II	0
	Credits	**15**
	Total Credits	**39**

COURSE DESCRIPTIONS

B

- Biology (BIO) (p. 110)

C

- Chemistry (CHM) (p. 110)
- Community Psychology (CPS) (p. 112)
- Computer Science (CSC) (p. 113)
- Counseling Education (COED) (p. 111)
- Criminal Justice (CJS) (p. 115)
- Cybersecurity (CYS) (p. 116)

E

- Early Childhood Special Education (ECS) (p. 117)
- Education (EDU) (p. 117)
- Electronics Engineering (EEN) (p. 117)
- Elementary Education (EED) (p. 119)
- English (ENG) (p. 120)

F

- Fine Arts (FIA) (p. 120)

H

- Health Informatics (p. 122)
- Healthcare Administration (HCA) (p. 121)
- History (HIS) (p. 122)

M

- Mass Comm/Journalism (MCM) (p. 122)
- Materials Science (MATS) (p. 123)
- Materials Science Engineering (MSE) (p. 123)
- Mathematics (MTH) (p. 125)
- Music (MUS) (p. 126)

O

- Optical Engineering (OEN) (p. 128)

P

- Physics (PHY) (p. 129)
- Political Science (POS) (p. 129)
- Psychology (PSY) (p. 129)

S

- Social Work (SWK) (p. 130)
- Special Education (SPE) (p. 133)

U

- Urban Affairs (UAF) (p. 135)
- Urban Education (UED) (p. 136)

Code	Subject
CPS	Clinical Psychology
COED	Counseling Education
CSC	Computer Science
CJS	Criminal Justice
ECS	Early Childhood Education
EDU	Education
EED	Elementary Education
EEN	Electronics Engineering
FIA	Fine Arts Studies
MATS/MSE	Materials Science
MHA	Healthcare Administration
MHI	Health Informatics
MUS	Music
OEN	Optical Engineering
PHY	Physics
POS	Political Science
SED	Secondary Education and Leadership
SWK	Social Work
SPE	Special Education
UAF	Urban Affairs
UED	Urban Education

Term Offered Code

Code	Title
SS	Summer School Only
FO	Fall Semester Only
SO	Spring Semester Only
E	Each Semester including Summer
EE	Each Semester excluding Summer
FS	Fall and Summer Semesters Only
SI	Sufficient Student Interest
SU	Spring and Summer Semesters Only
O	Offered Every Other Year

Biology (BIO)

BIO 501 History of Biological Concepts (3 Credits)
Contact the department for specific course information.

BIO 502 Modern Biology (3 Credits)
Contact the department for specific course information.

BIO 510 Experience Biology (3 Credits)
Contact the department for specific course information.

BIO 520 Special Problems in Biology (3 Credits)
Contact the department for specific course information.

Chemistry (CHM)

CHM 521 Chemical Demonstrations (3 Credits)
Contact the department for specific course information.

CHM 531 Biochemistry (3 Credits)
Contact the department for specific course information.

CHM 532 Biochemistry (3 Credits)
Contact the department for specific course information.

CHM 545 Mathematical Method (3 Credits)
Study of advanced mathematical topics including Fourier series, determinants and matrices, complex variables, calculus of variations, vector analysis, series solutions of differential equations, and partial differential equations, with special emphasis on applications to physical science topics.

CHM 573 Advanced Inorganic Chemistry (3 Credits)
The applied inorganic chemistry laboratory will provide an introduction to the synthesis, isolation, and characterization of inorganic and organometallic compounds. The student will conduct basic synthetic laboratory procedures and utilize a variety of analytical characterization techniques. Each student will complete a series of structured, interconnected laboratory experiments derived from the current literature.

CHM 581 Special Topics (3 Credits)
Contact the department for specific course information.

CHM 633 Molecular Dynamics (3 Credits)
This course examines modern concepts in reaction-transport phenomena, transition state theory, and reaction dynamics. Experimental techniques and physical models for reactivity at a microscopic level are discussed.

CHM 663 Atomic/ Molecular Spectroscopy (3 Credits)
This course deals with the study of the interaction of radiation with matter. The application of quantum mechanics for the spectroscopic determination of the rotational, vibrational, and electronic structure of matter is examined.

Counseling Education (COED)

COED 612 Counseling for Human Growth & Lifespan (3 Credits)
In this course, candidates will be able to understand the stages of lifespan development with applications to counseling. Current research findings on major developmental issues including physical, social, emotional, speech and language, and cognitive processes of individuals will be emphasized.

COED 620 Legal and Ethical Issues in Counseling (3 Credits)
This course provides an orientation to ethics in the counseling profession through identifying and exploring relevant issues in counseling practice through research, teaching and examining ethical dilemmas commonly experienced by professional counselors. Coursework covers ACA ethical standards, national and state laws, and regulations as related to accountability, responsibility, client welfare, emotional health, institutional policies, cross-cultural and cross-social class practices, and their impact on the counseling profession. Focal areas include professional roles and functions, professional identification, the discipline appropriate professional associations and organizations, and publications regarding best practices and strategies in providing counseling services to students, individuals, and families in various counseling settings.

COED 621 Principles of Counseling (3 Credits)
This course provides an understanding of counseling theory and strategies. Focus is placed on developing skills to work with families, individuals, and crisis interventions. Participants will gain an understanding of the counseling theories used in psychodynamic approaches, humanistic, cognitive, and behavioral genres.

COED 622 Counseling Theory and Psychotherapy (3 Credits)
This course is designed to explore the counseling process by examining specific theories and related research. The counseling theories examined in the course include Psychoanalytic, Adlerian, Existential, Person-Centered, Gestalt, Behavior, Cognitive Behavior, Reality, Feminist, Postmodern, and Family Systems with emphasis placed on developing effective techniques for facilitating individual counseling sessions and interviews, helping clients adjust to change, and sponsoring clients' self-exploration, self-understanding, and self-evaluation. This course aims to familiarize counselor candidates with the application of counseling theory in all aspects of the program as well as the counseling profession.

COED 623 Counseling Techniques and Skills (3 Credits)
This course is intended to give the beginning counselor an opportunity to explore and focus on the practice of basic counseling skills and the experiential application of theories and basic techniques of counseling. This course includes in-class and outside class components. Class time will include instruction, demonstration of skills, student practice of skills, showing of students' videos, evaluation of students' work, and the giving of feedback by the professor and by class members. The outside class component requires small group cooperation in the making of a video each week to demonstrate the skills being taught and practiced.

COED 630C Community and Agency Counseling (3 Credits)
This course provides an in-depth study of community counseling settings. Pre-service counselors are exposed to relevant issues in the counseling profession including, but not limited to, national accreditation standards for counselor education programs, counseling certifications, and state licensure guidelines. Coursework emphasizes counseling and consulting skills that prepare counseling candidates to provide effective client assistance and work collaboratively in the community.

COED 631C Introduction to Professional Counseling (3 Credits)
This course highlights the basic roles and skills of a professional counselor. The historical developments that led to the establishment of counseling as a profession, the impact of the profession on society, the significance of the counseling process, and research and trends in the profession are discussed. This process encourages exploration of personal motivations for wanting to become a professional counselor and professional counseling identity.

COED 632 Group Counseling and Human Relationships (3 Credits)
This course is designed to introduce interpersonal counseling skills necessary in group counseling by exploring group dynamics and group procedures in various counseling settings. This course focuses on analysis of the group process by examining theories and research related to group counseling. Coursework emphasizes the development of effective techniques for conducting group sessions, discussions and interviews, helping clients adjust to change through a group counseling setting, and facilitating clients with self-exploration, self-understanding, and self-evaluation through the group process. The course provides counseling candidates an opportunity to observe and participate in the group counseling process.

COED 638 School Counselor Classroom Management (3 Credits)
This course focuses on the theory and practice of classroom teaching and management. Students learn ways to create a positive, supportive, and respectful learning environment, create and present interesting and meaningful classroom guidance lessons, and effectively address a range of challenges in the prek-12 classroom. Candidates will also discuss and understand diverse learning styles of students in order to utilize interventions to positively impact their achievement.

COED 640 Family Systems (3 Credits)
This course is designed to assist candidates in the study of family systems and dynamics by critically analyzing counseling theories and techniques. Emphasis is placed on family structure, dynamics, strategies, and techniques employed in family counseling and family functioning.

COED 644 Addiction Counseling (3 Credits)
This course provides a summary of addictions counseling based on practical application of both theory and research. Trends in substance abuse counseling are highlighted throughout the course. Experiential activities are utilized to further enhance understanding of addictions theory and research.

COED 645 Testing & Assessment in Community/School (3 Credits)
This course is designed to examine individual and group approaches to formal and informal counseling testing and assessment techniques used in the community and schools. The course includes an examination of the various assessments, use of collaborative information, clarification of assessment concepts, tests selection for various populations, test administration, results interpretation, statistically relevant measures, and ethical and legal issues relative to assessment. Throughout the course, interactive exercises, such as observation, immersive studies, and discussion exercises are provided to assist in applying the information and to assist in facilitating the integration of the material into assessment, administration, and interpretation. This course addresses the growing trends of assessment in the counseling profession in various settings within community and school systems.

COED 650 Diagnosis and Treatment (3 Credits)
This course provides an in-depth review of a broad spectrum of psychopathological conditions as defined in the DSM-5. The focus of this review includes the etiology, prevalence and incidence, signs and symptoms, and criteria for differential diagnosis. The emphasis of this review will be on comparing and contrasting different theoretical perspectives on each disorder and reviewing the empirical literature in support of these theoretical perspectives.

COED 677 Career Development/ Counseling (3 Credits)
This course provides candidates with knowledge, skills, and competencies to respond appropriately to the attitudes, behaviors, feelings, and thoughts of students implementing the career counseling function. Additionally, candidates will learn how to assist students in acquiring, processing, and applying information relative to themselves and the world of work. This course is also designed to assist the candidate in synthesizing theoretical constructs and the application of theory in all career development areas.

COED 680 Introduction to Counseling Supervision (3 Credits)
This course explores supervision and consultation as unique skills and practices for counseling professionals and counselor educators. Candidates develop their understanding of the purposes of clinical supervision and consultation, theoretical frameworks and models of supervision and consultation, the roles and relationships related to clinical supervision and consultation, and legal, ethical, and multicultural issues associated with clinical supervision and consultation.

COED 700 Psychopathology (3 Credits)
This course is designed to provide an integrated approach for treatment of psychopathology for helping professionals in counseling and other behavioral health professions. Emphasis is placed on psychopharmacology, prevalent psychotherapies, theories of abnormal behavior, and development in clinical settings.

COED 710C Counseling Practicum (3 Credits)
The course is designed to provide orientation for candidates as they begin supervised work in the counseling profession. During this initial practicum experience, the candidates will apply knowledge and skills learned throughout the program in working with clients in a supervised, field placement. The candidates are required to complete 100 clock hours which are to be fulfilled in an academic term to includes a minimum of 80 hours per term of direct contact (counseling) hours with clients and a minimum of 10 hours of group work. The remaining 20 hours per term consists of indirect hours accrued performing other counseling-related duties. Candidates receive 1 hour of individual supervision by site and university supervisors weekly and 1-2 hours of group supervision during the academic term. The experiences must be approved by the Practicum Supervisor and Professor.

COED 720 Crisis and Trauma Intervention (3 Credits)
This course highlights conceptual and practical ideas of the impact of crises and other trauma-causing events while learning about the operations of an emergency management system within mental health agencies and in the community. Students will explore assessments, interventions, and other applications in crises and trauma situations. The effects of trauma due to crisis and the role of the mental health provider will be discussed.

Community Psychology (CPS)

CPS 632 Intellectual Assessment (3 Credits)
This course provides the student with training in theories of intelligence and psychometric properties, administration, scoring, and interpretation of major individually administered intelligence tests for children, adolescents, and adults. Emphasis is placed on the Wechsler scales with exposure to other instruments. Students are expected to write interpretive reports on all practice administrations. Relation of assessment data to clinical disorders and special education eligibility decisions, ethical issues in test use, and general history of intellectual assessment and interpretation will be discussed.

CPS 635 Social and Multicultural Psychology (3 Credits)
This course will allow students to research and critically analyze conceptual and theoretical foundations for providing psychological services across diverse cultural populations. Social, cultural, psychological, and lifestyle factors that influence or impede the mental health process will be explored and evaluated.

CPS 700 Clinical & Ethical Practice (3 Credits)
This course introduces basic therapy skills to clinical psychology students and explores the ethical framework which guides the profession of psychology.

CPS 703 Cognitive-Behavioral Therapy (3 Credits)
Cognitive-behavioral therapy is the most heavily researched form of psychotherapy and has been shown to be effective for a wide range of conditions. This course presents the basic theoretical concepts and techniques of cognitive-behavioral therapy. The main focus of the course is on gaining an understanding of the theoretical underpinnings of CBT and developing CBT skills for therapy.

CPS 705 History & Systems (3 Credits)
History and systems of psychology related to contemporary applied psychology.

CPS 791 Independent Study (3 Credits)
This course is an elective available to qualified students to be scheduled independently in consultation with the supervising instructor.

CPS 814 Research in Clinical Psychology (1-4 Credits)
Individual project under guidance of a research advisor.

CPS 895 Clinical Practicum (3 Credits)
This course assigns a student to a practice setting to learn the skills of a clinical psychologist under close supervision in mental health settings.

CPS 896 Advanced Practicum (3-6 Credits)
This course is part of a focused study. The student is supervised in the development of advanced skills in clinical psychology in a practice setting.

CPS 899 Clinical Dissertation (1-6 Credits)
This course is coordinated with practica and electives during the third year to provide the student with an opportunity to develop an area of concentration. The dissertation presents the results of applied research.

Computer Science (CSC)

CSC 521 Database Principles and Design (3 Credits)
An introductory course emphasizing the basic concepts and principles of database systems. Topics include relational, hierarchical, and network approaches to data organization.

CSC 530 Data Communication (3 Credits)
This course focuses on the basic principles of computer communication, hardware, and software design. Topics include transmission media, data encoding, transmission techniques, protocols, switching networks, broadcast networks, and local area networks.

CSC 535 Computer Security I (3 Credits)
This course is designed for IT professionals to learn computer and network security theories and practices that can be used to significantly reduce the security vulnerability of computers on internal networks or the Internet. Topics include cryptography, program security, operating systems security, database security, network security, security administration, computer ethics, and legal issues.

CSC 555 Management of Information Security (3 Credits)
This course is designed for Security System Administrators and Managers responsible for designing, planning, and managing security installations in Business and Government Institutions. Topics include management of information security, security planning, security protection (technical and procedural), best practices, risk management, operations security, legal issues, and certification and accreditation.

CSC 564 Operating Systems (3 Credits)
Topics include the history and evolution of operating systems, the concepts behind and structure of various operating systems, process scheduling, inter-process communication, input and output, multiprogramming, memory management, and file systems. Concepts of distributed operating systems are also introduced.

CSC 566 Advanced Computer Topics I (3 Credits)
This course covers advanced computer topics not covered in the curriculum. Designed as a Computer Science elective, not as a replacement for any specific required course.

CSC 567 Advanced Computer Topics II (3 Credits)
This course covers advanced computer topics not covered in the curriculum. Designed as a computer science elective, not as a replacement for any specific required course.

CSC 570 Artificial Intelligence (3 Credits)
This course offers an in-depth study of concepts and problem-solving techniques of artificial intelligence. Topics include knowledge representation, functional and logic programming, machine learning, natural language understanding, computer vision, robotics, and societal impact.

CSC 571 Game Design and Development (3 Credits)
This course introduces students to game design and development concepts. Topics include the history of games, genres, play elements, story and character development, game play and storyboard design, level and user interface design, and the game design document.

CSC 572 3D Game Programming (3 Credits)
This is a project-oriented course on 3D game programming. Students will work in teams to design, implement and test a three-dimensional game with interactivity, game state diagram, animation, sound, and constraints. Students will also learn the basics of graphic design and animation.

CSC 573 Modeling and Simulation (3 Credits)
This course introduces students to the major areas of simulation and the languages and systems used in these areas. Areas of simulation covered include gaming, military, health, network, business processes, and transportation. The types of simulation software discussed include process oriented, discrete event oriented, general purpose, and simulation environments.

CSC 576 Advanced Computer Topics III (3 Credits)
This course covers advanced computer topics not covered in the curriculum. Designed as a computer science elective, not as a replacement for any specific required course.

CSC 577 Advanced Computer Topics IV (3 Credits)
This course covers advanced computer topics not covered in the curriculum. Designed as a Computer Science elective, not as a replacement for any specific required course.

CSC 580 Computer Graphics (3 Credits)
This course focuses on interactive computer graphics hardware and software: display devices, 2D and 3D geometric transformations, raster algorithms, representation of curves and surfaces, hidden line removal and surfaces, shading algorithms, and color graphics.

CSC 593 Systems Programming (3 Credits)
Fundamentalsa ofa systema anda networka programming methodology, techniques, system calls, and library calls.

CSC 596 Compiler Construction (3 Credits)
An introduction to the fundamentals of compiler construction and language translation. Topics include lexical analysis, specifications of syntax, algorithms for syntactic analysis, code generation, and optimization techniques.

CSC 611 Machine Learning (3 Credits)
Machine learning is a subfield of artificial intelligence concerned with the design, analysis, implementation, and applications of programs that learn from experience. This course is about learning to extract statistical structure from data for making decisions, predictions, and visualizations. It gives in-depth coverage of advanced methods in machine learning, emphasizes approaches with practical relevance, and discusses a number of recent applications of machine learning.

CSC 612 Computational Science (3 Credits)
This course provides students with an overview of applications of computational skills needed to solve scientific research problems. The computational skills in review include programming languages, algorithms, database implementation, internet technologies, data visualization, statistics, modeling and simulation, and operations research.

CSC 625 Analysis of Algorithms (3 Credits)
This course covers the design and analysis of algorithms. Topics include Turing machines; NP-complete theory; best, average, and worst-case analysis; divide-and-conquer; greedy method; dynamic programming; graph traversal; backtracking and branch-and bound techniques. The course also covers sorting, searching, graph algorithms, and optimization.

CSC 630 Computer Networks (3 Credits)
This is an advanced graduate-level course focusing on the concept of internetworking in general and the TCP/IP Internet technology in particular. The course reviews both the architecture of network interconnections and the principles underlying protocols that make interconnected networks function as a single, unified communication system. It also covers how an internet communication system can be used for distributed computation and communication.

CSC 635 Computer Security II (3 Credits)
This course is an advanced course in Computer Security. It covers topics of current interest in Information Assurance. Topics to be covered include Digital Forensics, Intrusion Detection, Steganography, Security Usability, Cloud Computing, and Wireless Security.

CSC 650 Cryptography (3 Credits)
Study of historical and modern cryptographic techniques and algorithms. Topics include symmetric and asymmetric key cryptography, one-way functions, secure hash functions, digital signatures, key exchange, authentication, key management, PKI, DES, AES (Rijndael), and current topics.

CSC 660 Parallel Computing (3 Credits)
Study of high-performance computing techniques. Includes the study of parallel computer architecture, memory, and I/O. Also, parallel computer algorithms to include shared and distributed memory, parallel computation models, graph algorithms, numerical algorithms, and divide-and-conquer will be covered.

CSC 668 Advanced Computer Architecture (3 Credits)
Principles and advanced topics of the instruction set architecture for uni-processors, embedded system processor, and multi-processor.

CSC 672 Digital Forensics (3 Credits)
This course focusses on cutting-edge topics in Digital and Network Forensics. It introduces students to the applicable laws and ethical responsibilities of a digital forensics professional, the technical skills required, and open research problems in digital forensics. The course includes lectures, discussions, and demonstrations. It is designed around a virtual lab environment that provides robust and realistic hands-on experiences in dealing with a range of digital forensics topics.

CSC 678 Scientific Visualization (3 Credits)
Fundamental concepts of the algorithms and design principles underlying modern 3D computer graphics and data and scientific visualization.

CSC 691 Graduate Independent Study I (3 Credits)
Supervised independent project designed to give computer science graduate students an opportunity to explore a single topic in a one-to-one learning relationship with a faculty member.

CSC 697 Ethical Hacking and Penetration Testing (3 Credits)
An in-depth study of the practical aspects of computer security including the study of common security vulnerabilities in a laboratory setting.

CSC 701 Continuing Registration (1-9 Credits)
A one-credit-hour course that allows students to maintain continuous registration status. Does not count towards the MS.CSC degree credits.

CSC 702 Practicum (1 Credits)
A one-credit-hour course that allows students to apply their skills in a work setting. The credit earned through this course will not be counted towards MS.CSC degree credit. A student can take this course and repeat it up to three times when s/he is away from campus on outside employment for internship or practical training in a related technical field. This is a Pass/Fail course.

CSC 703 Graduate Research (3-9 Credits)
This course provides an opportunity to learn how to conduct research through practical experience with a research advisor. It exposes students to a subset of the following tasks based on the student's knowledge of research activities: development and implementation of a research topic, reviewing technical literature for relevancy to research topics, writing status reports, writing technical reports or papers of conference submission quality, attending and making technical presentations.

CSC 720 Wireless Sensor Networks (3 Credits)
An advanced, graduate-level course focusing on the study of wireless sensor networks from communications, security, and computing platform viewpoints.

CSC 730 Advanced Topics in Networking (3 Credits)
Optical networks, dynamic spectrum access in wireless networks, cognitive radio networks, network coding, and other newly emerged networking technologies are covered. Optical Network topics include WDM network elements, routing and wavelength assignment algorithms, blocking probability analysis, virtual/physical topology design, survivability, and IP over WDM. Other topics include enabling technologies for cognitive radio, channel assignment/selection, routing, security, and spectrum management.

CSC 745 Network Defense (3 Credits)
Focuses on network defense and countermeasures, including firewalls, intrusion detection and prevention systems, virtual private networks.

CSC 750 Evolutionary Computing (3 Credits)
The course covers the fundamentals of applying biological evolutionary characteristics to optimization of very complex problems.

CSC 755 Cloud Computing (3 Credits)
A one-semester graduate-level course focusing on cloud computing technologies and solutions. It is designed to give students a solid foundation in cloud computing fundamentals. The course covers both the conceptual and practical aspects of cloud computing.

CSC 760 Secure Software Development (3 Credits)
Introduction to core concepts and the latest research trends and results in developing secure software. Topics include the best practices in developing secure software within Software Development Lifecycle (SDLC), vulnerability assessment, and code analysis techniques.

CSC 765 Advanced Topics in Information Assurance (3 Credits)
This course covers state-of-the art advances, emerging trends, and threats in cybersecurity. Topics to be covered include current topics in Information Assurance, advanced digital forensics, new approaches to management of cybersecurity and new threats, vulnerabilities and controls.

CSC 781 Advanced Graduate Computer Topics I (3 Credits)
Advanced computer topics that are not generally covered in the graduatea600/700 levela curriculum.aDesignedaas a Computer Science graduate elective, not as a replacement for any core course.

CSC 782 Advanced Graduate Computer Topics II (3 Credits)
Advanced computer topics that are not generally covered in the graduatea600/700 levela curriculum.aDesignedaas a Computer Science graduate elective, not as a replacement for any core course.

CSC 791 Graduate Independent Study II (3 Credits)
Supervised independent project designed to give computer science graduate students an opportunity to explore a single topic in a one-to-one learning relationship with a faculty member.

CSC 795 Master's Project (3 Credits)
Guided master's research project under the supervision of a research project advisor and the course instructor; requires extensive expository work and other tasks and a formal project report with a public presentation of the project's work.

CSC 798 Master's Thesis I (3 Credits)
First semester of the master's thesis sequence. Under the supervision of the thesis advisor, students prepare a thesis proposal and work toward the goal of completing all background material needed for their research. A satisfactory thesis draft and presentation to the committee will be used to satisfy completion of the course.

CSC 799 Master's Thesis II (3 Credits)
The culmination of the two-semester master's thesis sequence. Students must complete a thesis document and defend the work in a public presentation to their committee.

Criminal Justice (CJS)

CJS 571 Youth Crime, and the School (3 Credits)
The role of school experiences in the etiology of juvenile crime has been debated for a long time. Recent incidents of violence occurring on school grounds have increased concern for the safety of students. The response of schools to violence, drug abuse, and other crimes will be examined to identify programs that have been successful in reducing youth crime.

CJS 575 Legal Aspects of Juvenile Justice (3 Credits)
Juvenile justice has made a distinction between criminal and status offenses. Courts have recognized this distinction in specifying the rights of juveniles when violating cultural norms. The course examines legal policies affecting youth including their transference to criminal courts. Procedures in the United States are compared to those in other societies.

CJS 590 Readings in Criminal Justice (3 Credits)
This is an intensive and directed reading course in criminal justice.

CJS 592F Sp Top: Dis Min Ctct & Ctvr Iss Juv Just (3 Credits)
See department for specific course information.

CJS 592L Special Topics: Women in the Criminal Justice System (3 Credits)
Contact the department for specific course information.

CJS 592M Spec Tpcs: Environ Crime & Justice (3 Credits)
See department for specific course information.

CJS 601 Systems of Criminal Justice (3 Credits)
This course examines the traditional model of criminal justice in the United States by comparing it to criminal justice systems of selected other countries. The course also introduces a restorative justice model as an alternative to the adversarial system currently followed by most jurisdictions.

CJS 607 Minorities in Criminal Justice (3 Credits)
Although minorities are disproportionately over-represented in arrests, conviction, and incarcerations, they are disproportionately under-represented among criminal justice practitioners. This course examines theories advanced to account for and methods offered to alter these figures.

CJS 610 Theories of Crime and Delinquency (3 Credits)
A number of theories of crime and delinquency have been developed from a variety of perspectives including biological, psychological, sociological, feminist, and conflict. This course addresses the major ideas offered to explain criminal behavior. Similarities and differences between the theories are noted. Criteria for evaluating the usefulness of a theory are identified.

CJS 611 Admin of Criminal Justice Organizations (3 Credits)
This course rests upon the premise that criminal justice agencies need to apply sound principles of organizational management in order to be efficient. The course studies how corporate and public administration techniques may be applied to criminal justice agencies.

CJS 612 Strategic Planning for Criminal Justice (3 Credits)
Increasingly, criminal justice practitioners recognize the importance of planning and preparing for criminal situations before they occur. This course examines ways to use current information to plan for the future in structuring organizations, setting priorities, and identifying resources needed to be more effective.

CJS 613 Community Policing (3 Credits)
Recently, police departments have adopted techniques to bring community citizens and police officers closer together so that by working together crime may be reduced. This course compares different models of community policing and techniques for evaluating their impact.

CJS 616 Restorative Justice (3 Credits)
Restorative justice recognizes that any response to crime should bring victims and offenders to reconciliation in which a sense of community is re-established. A number of theoretical perspectives exist within this broad framework. The course introduces techniques of mediation and other methods of restorative justice.

CJS 618 Legal Issues in Cj Management (3 Credits)
This course focuses on the examination and analysis of legal implications and challenges of criminal justice management decisions, policies, programs, and the roles of the criminal justice manager.

CJS 644 Research Methods in Criminal Justice (3 Credits)
Information about criminal behavior shapes theories and responses to crime. Therefore, it is important to develop valid and reliable data which can be used to understand criminal justice issues. Standards for obtaining and evaluating empirical data are articulated in this course.

CJS 645 Quantitative Analysis in Cj (3 Credits)
Quantitative data are the backbones of theory testing and organizational decision making. This course identifies statistical databases and introduces analytical techniques to produce meaningful information. Skills with computer applications are developed.

CJS 650 Criminal Justice Policy Analysis (3 Credits)
Scientific based facts are essential for sound criminal justice policies. At the same time, such policies reflect political forces in society. This course examines procedures for analyzing how policies are enacted and implemented by focusing on specific case studies.

CJS 651 Criminal Justice Ethics (3 Credits)
Any system of justice must acknowledge the importance of an ethical foundation. This course studies different paradigms of ethical behavior and procedures that may be followed if unethical acts occur. The course recognizes that all citizens, not just criminal justice professionals, must address ethical principles.

CJS 660 Crime Victims and Victim Services (3 Credits)
This course introduces students to some of the important issues and controversies concerning victims of crime. Students will develop an appreciation for the victimization experience by studying the major perspectives concerning the roles of victims in criminal events and the criminal justice system, the provision of services to crime victims, and the importance of power related to crime victims. The course will examine crime victims in the United States and other countries.

CJS 665 Criminal Justice Internship (3 Credits)
Students will perform various duties in agencies and organizations active in criminal justice. An agency supervisor and the internship supervisor will direct each student in mastering relevant skills to complete the tasks associated with a significant position in the internship agency. During the internships each student will be considered a quasi-working member of the agency.

CJS 672 Policing and Adjudicating Juveniles (3 Credits)
The course considers the advantages and disadvantages of special youth bureaus in police departments. Further consideration is given to the structure and procedures of juvenile justice.

CJS 674 Juvenile Corrections and Treatment (3 Credits)
The philosophy of protecting juveniles has been the traditional perspective of the United States. Consequently, rehabilitation rather than punishment has been the objective in responding to juvenile delinquents. Changing perspectives on youth have brought about more punitive responses to young criminals, however. The conflict between corrections and treatment is considered in how societies seek justice for juveniles.

CJS 676 Juvenile Delinquency & Justice System (3 Credits)
Examines the meaning of the concept of juvenile delinquency as a separate entity in the criminal justice system. The course also surveys youth victimization and offending patterns and analyzes the diverse theoretical explanations of delinquency.

CJS 678 Juvenile Offenders and Youth Gangs (3 Credits)
Juvenile delinquency has come to be almost synonymous with gang membership. Yet, there is some question about the prevalence of juvenile gangs and their criminality. The course examines gangs throughout history and traces their structures using research-based facts explicating the importance of youth gangs in society.

CJS 681 Youth and Society (3 Credits)
This course introduces students to some of the important issues and controversies concerning youth in society. The course will examine youth in the United States and other countries. The basic point of view is that youth is a social construct reflecting both social structural and cultural influences. This course examines how the roles of youth are defined for different age groups and cultures. The emphasis is on understanding how societal factors influence youthful behavior for conformity and deviance.

CJS 689 Gender, Crime, and Justice (3 Credits)
Examination of gender issues within the criminal justice system. This course focuses on women as offenders, prisoners, victims, and survivors of crime and as professionals.

CJS 690 Independent Study in Criminal Justice (3 Credits)
Students under faculty guidance analyze specific areas of interest in criminal justice.

CJS 699 Thesis (6 Credits)
Students in this course will design and conduct original criminal or juvenile justice research under the guidance of a faculty committee. The final, written report will present the research problem, theoretical rationale, methodology, results, and interpretation with policy implications as appropriate. An approved thesis proposal is required as a prerequisite to this course. Permission of instructor is required.

CJS 750 Continuing Registration (0 Credits)
To allow Criminal Justice graduate students who have completed course work to remain in good standing while working on their thesis or comprehensive examination.

CJS 752 Comprehensive Examination (0 Credits)
This course is required for all students taking the comprehensive examination. Students should register for the course the semester they intend to sit for the comprehensive examination.

Cybersecurity (CYS)

CYS 564 Secure Operating Systems (3 Credits)
This course introduces students to Operating Systems with emphasis on security. Students will be introduced to the foundations of Operating Systems, the vulnerabilities of Operating Systems, threats from attackers, potential harm that can be caused by attacks, defense, and risk mitigation. The notion of a trusted Operating System will be introduced as a standard useful for comparing various Operating Systems.

CYS 573 Network Fundamentals (3 Credits)
This course introduces students to the basics of networks and their functionality, including the Open Systems Interconnection model, network components, local and wide area networks, routers, switches, wireless communication, network security, Internet protocols, and network applications such as web and email. It also covers the fundamentals of configuring and troubleshooting network features on popular computing platforms.

CYS 672 Computer and Network Forensics (3 Credits)
This course introduces students to the fundamentals of digital forensics, including forensic duplication and analysis, network surveillance, intrusion detection and response, incident response, anti-forensics techniques, anonymity and pseudonymity, cyber law, computer security policies and guidelines, court report writing and presentation, and case studies. Students will apply information security practices and technologies in virtual lab environments to gain hands-on experience solving realistic cybersecurity problems.

CYS 688 Human Aspects of Cybersecurity (3 Credits)
This course focuses on the theory and practice of implementing secure database systems. Emphasis will be placed on database security principles, database application security models, database auditing models, security implementation and database reliability.

CYS 697 Ethical Hacking and Penetration Testing (3 Credits)
This course is designed for students pursuing a graduate degree in cyber security with particular interest in working as a white hat hacker. The students will be trained theoretically and practically in understanding vulnerabilities in network architectures, operating systems, database management systems and web servers. They will learn how exploits are designed by an adversary attacker to penetrate into vulnerable systems. The students will also learn how the hacker can move into a hacked system and remove her/his footprints. The course will expose students to a host of tools used for network scanning, finger printing and password cracking. These tools include Nmap, Nessus and Backtrack among others. There will be a thorough discussion on the emerging hack technology for wireless LANs and defenses against them.

CYS 721 Database Security (3 Credits)
This course focuses on the theory and practice of implementing secure database systems. Emphasis will be placed on database security principles, database application security models, database auditing models, security implementation and database reliability.

CYS 755 Healthcare Information Security (3 Credits)
This course is designed for students seeking to learn more about the field of health care information security. It covers the fundamentals of computer and network security theories and practices that can be used to significantly reduce the security vulnerability of health care information on internal networks or the Internet. An in-depth view of health care information is provided by examining health care regulatory requirements and the functions of a health care organization, including its medical business operations, hardware, software, networking, and security. Topics include electronic health records, security policy, web security, database security, security administration, and health care ethics, privacy, and law.

CYS 765 Advanced Topics in Cybersecurity (3 Credits)
This course covers state-of-the art advances, emerging trends, and threats in cybersecurity. Topics to be covered include current topics in Information Assurance, advanced digital forensics, new approaches to management of cybersecurity and new threats, vulnerabilities, and controls.

CYS 795 Cybersecurity Capstone (6 Credits)
This project course is the capstone experience for graduate students in the Master's degree in Cybersecurity. This course provides students with the opportunity to carry out in-depth research on a specified topic in cybersecurity. The student's project will reflect the integration and application of the cybersecurity knowledge gained over the course of the program.

CYS 798 Cybersecurity Capstone I (3 Credits)
This course prepares students for their capstone experience in the Cybersecurity MS degree program. Capstone I provides the opportunity hone the skills needed to accomplish in-depth research and career growth; to choose a specific topic in, cybersecurity as the focus for their research; to identify a CYS faculty advisor who agrees to oversee their capstone project; and to develop a viable research proposal.

CYS 799 Cybersecurity Capstone II (3 Credits)
This course is the capstone experience for graduate students in the Master's degree in Cybersecurity. Capstone provides students the opportunity to carry out in-depth research on a specific topic in cybersecurity under the guidance of a faculty research advisor. The student's project will reflect the integration and application of cybersecurity knowledge and skills gained over the course of the program.

Early Childhood Special Education (ECS)

ECS 580 Developmental Delays in the Early Years (3 Credits)
This course provides an overview of early childhood special education. The nature and characteristics of major disabling and at-risk conditions will be presented. Special emphasis will be placed on the trends for service delivery to the birth through age five population including culturally and linguistically diverse young children with disabilities. Observation hours (15 hours) will be required for this class.

ECS 626 Parent Participation in Education (3 Credits)
Study of planning, implementation, and evaluation of parent education programs and parent participation programs in urban schools. Focuses on helping parents develop leadership skills; parents as teachers of their children; parents as teacher assistants in the classroom; and parents as community leaders. Includes experiences with material development of parent education; home visits, individual counseling, and parent-teacher conferences and interactions. Strong emphasis will be placed on the needs of culturally and linguistically diverse children with disabilities and their family from a family systems theory perspective, as well as development of IFSPs and IEPs.

Education (EDU)

EDU 501 Foundations of Education (3 Credits)
This course concentrates on issues facing American education today. It is an interdisciplinary attempt to incorporate historical, political, economic, legal, social, philosophical, and curricular foundations to understand the educational system.

EDU 605 Human Growth and Development (3 Credits)
This course is designed to analyze the nature and range of human characteristics through the study of principles and procedures in evaluating student growth in skills, attitudes and understanding. Candidates will conduct in-depth study into moral development, values, clarification, and perceptual and cognitive factors in learning and reading.

EDU 636 Classroom and Behavior Management (3 Credits)
Skills in this course shall contribute to an understanding and application of classroom and behavior management techniques and individual interventions, including techniques that promote emotional well-being and teach and maintain behavioral conduct and

Electronics Engineering (EEN)

EEN 531 Microcontrollers (3 Credits)
A hands-on approach to microprocessor and peripheral system programming, I/O interfacing, and interrupt management. A sequence of mini-projects requiring the programming (in assembly language) of a microcontroller are conducted. A midterm and final project provide a venue for complex project design and implementation. Projects require a Motorola microcontroller evaluation board and accessories supplied by the department/student.

EEN 541 Biomedical Engineering Devices/Systems (3 Credits)
This course introduces graduate students to concepts and theory of biomedical devices, especially for sensing and modulation purposes. The course provides lectures on the operation mechanisms and applications of microsensors and modulators for glucose, neurochemicals, bio-potentials, and cellular ions using electronic or optical transduction. In addition to classroom lectures, students will have a laboratory component for the design and fabrication of microscale biomedical sensors.

EEN 551 Communications Systems (3 Credits)
Presentation of the fundamentals of modern digital communication systems and evaluation of their performance. Topics include a review of random processes theory, principles of optimum receiver design for discrete and continuous messages, matched filters and correlation receivers, signal design, and error performance for various signal geometries. The course also covers link power calculations, noise models, RF components, and antennas.

EEN 562 Semiconductor Processing Technology (3 Credits)
This course presents the fundamentals of semiconductor processing technology, including semiconductor substrates, micro fabrication techniques, and process integration. Lithography, oxidation, diffusion, ion implantation, methods of film deposition and etching, metal interconnections, measurement techniques and packaging. Future trends and challenges in semiconductor manufacturing will also be discussed. A design project is required in this course.

EEN 581 Analog Integrated Circuits (3 Credits)
This courses addresses design and analysis of analog integrated circuits. Topics include feedback amplifier analysis and design, including stability and compensation; layout and floor planning issues associated with mixed-signal IC design; selected applications of analog A/D and D/A converters; and current sources. Students will also use CAD tools for design and simulation throughout the course.

EEN 582 Bioelectrics (3 Credits)
This course applies basic electrical engineering principles to understand the proper functioning of biological cells and tissue, and selected human organs. This course covers the important concepts of bioelectrics, bioelectric system modeling and diagnosis. Although emphasis will be given to the cardiovascular system, students will be able to apply the principles of bioelectricity to any bioelectrical system.

EEN 583 Vlsilsi Systems Design (3 Credits)
This course focuses on the design and synthesis of Very Large Scale Integrated (VLSI) chips using CMOS technology for complex digital systems using integrated circuit cells as building blocks and employing hierarchical design methods. Design issues at layout, schematic, logic and RTL levels will be studied.

EEN 590 Research Methods (1 Credits)
This course introduces students to various styles of technical writing. Style manuals used for master's theses at Norfolk State and the standard technical style manuals for technical journals will be reviewed. Students will also learn how to conduct detailed database searches on technical topics. Exhaustive bibliographic studies of technical issues will be developed.

EEN 601 Systems Modeling (3 Credits)
Principles of systems biology modeling will becovered in this course. Various numericaltechniques for solving a system of copieddifferential equations commonly encountered inbiomedical systems modeling will be covered. Practical aspects related to numericalimplementation on a computer such as solvermethods, memory requirements and accuracy willalso be covered.

EEN 603 Pc Based Instrumentation (3 Credits)
This course gives graduate students hands-on knowledge in designing instrumentation systems for computer-based data acquisition and control. Sampling and data collection analysis are reviewed in the context of real-world scenarios. Memory and ports in Microcomputer Systems are also covered. Programmable parallel ports and handshake Input/Output are presented as well as data structures in a graphical programming language. Computer interfacing using a graphical programming language with applications involving Digital to Analog Conversion (DAC), Analog to Digital Conversion (ADC), Digital Input Output (DIO), Serial Ports, and the general purpose instrument bus (GPIB) will be introduced.

EEN 610 Advanced Engineering Mathematics (3 Credits)
This course covers advanced mathematical tools and techniques for electronics engineering including linear algebra, advanced vector calculus, complex variable theory, ordinary and partial differential equations and integral transform. Emphasis will be on using software such as MATLAB and Mathematical for solving engineering problems.

EEN 614 Neural Networks (3 Credits)
This course provides a working knowledge of the fundamental theory, design, and applications of Artificial Neural Networks (ANN). Topics include the major general architectures: back propagation, competitive learning, and counter propagation. Learning rules, such as Hebbian, Widrow-Hoff, generalized delta, Kohonen linear and auto associators, are presented. Specific architectures, such as the Neocognitron and Hopfield-Tank, are included. Hardware implementation is considered.

EEN 621 Electromagnetic Field Theory (3 Credits)
This course introduces techniques for solving and analyzing electromagnetic systems. Topics include relation of fundamental concepts of electromagnetic field theory and circuit theory, including duality, equivalence principles, reciprocity, and Green's functions; applications of electromagnetic principles to antennas, waveguide discontinuities; and equivalent impedance calculations.

EEN 643 Microcomputers: Real-Time Applications (3 Credits)
Introduction to microprocessors, Structures of 80X86 Processors. Microcomputer programming methodologies. Memory and input/output interfacing Peripheral devices. PC-based system for data acquisition and control. Introduction to DOS operating system. Assembly language programming Microcomputers for monitoring and control of real-time system. Trends in parallel processing architecture and operating system for multi-processor microcomputers

EEN 646 Wireless Communications (3 Credits)
This course will introduce wireless communication technologies. Topics covered include transmission fundamentals, cellular systems, digital cellular systems and protocols, coding and error control, handovers, switching and traffic protocol verification techniques.

EEN 650 Microelectromechanical Systems (mems) (3 Credits)
This course covers the MEMS field at the graduate level. Tensor physics is reviewed and used to describe physical properties of sensors and actuators, including stress, strain, piezoresistivity, and elasticity. Students will examine the methods that are used to predict deflection of common mechanical structures used in MEMS. The course also covers both bulk and surface micromachining, including techniques for measuring properties of thin films.

EEN 651 Digital Signal Processing (3 Credits)
An introduction to the analysis and design of discrete time systems. Time domain analysis, solution of difference equations, z-transform analysis, discrete Fourier transforms, sampling of continuous signals, digital filter design and state variable representations for discrete time systems.

EEN 661 Optics and Lasers (3 Credits)
This course reviews the electromagnetic principles of optics; Maxwell's equations; reflection and transmission of electromagnetic fields at dielectric interfaces; Gaussian beams; interference and diffraction; laser theory with illustrations chosen from atomic, gas, and semiconductor laser systems; detectors, including photomultipliers and semiconductor-based detectors; and noise theory and noise sources in optical detection.

EEN 663 Solid State Devices (3 Credits)
This course introduces semiconductor device operation based on energy bands and carrier statistics. Describes the operation of p-n junctions and metal semiconductor junctions. Extends this knowledge to descriptions of bipolar and field effect transistors and other microelectronic devices.

EEN 683 Advanced Topics in Vlsi (3 Credits)
Recent and advanced topics in the design of very large-scale integrated circuits, with emphasis on mixed analog/digital circuits for telecommunications applications. Topic varies from year to year according to departmental research interests. Students may be expected to contribute lectures or seminars on selected topics.

EEN 690 Advanced Topics I (3 Credits)
This course is designed to offer courses on specialized topics that are relevant to student's research work or in a specific research area that is of interest to a select individual or group which are not in the course catalog.

EEN 691 Advanced Topics II (3 Credits)
This is the second course in a series designed to offer courses on specialized topics that are relevant to student's research work or in a specific research area that is of interest to a select individual or group which are not in the course catalog.

EEN 697 Master's Project (3 Credits)
This project course is for non-thesis students. Students are expected to spend the semester conducting a research project. The students must work closely with their research advisor to ensure progress in the course. The course culminates with a formal written report and presentation of their research.

EEN 698 Master's Thesis I (3 Credits)
First semester of the Master's thesis sequence. Under the supervision of the thesis advisor, students prepare a thesis proposal and work toward the goal of completing all background material needed for their research. Minimally, a successfully defended thesis proposal will be used to satisfy completion of the course. The thesis committee should approve thesis topic.

EEN 699 Master's Thesis II (3 Credits)
This is the sequel to Master's Thesis I and is worth 3 credit hours. This is marked by the completion of Research work of the student culminating into a thesis that is defended in front of a committee and approved by the same.

EEN 700 Engineering Seminar (3 Credits)
An elective course designed to provide graduate students an opportunity to gain professional development experience through giving formal presentations and attending technical presentations covering the newest technologies and research developments.

EEN 750 Continuing Registration (1-9 Credits)
A course credit needed to facilitate continuing registration in a graduate program while thesis work and graduate requirements are finalized. Permission of the department chair and graduate advisor are needed to register in this course.

Elementary Education (EED)

EED 500 Teaching Social Studies in Elem Schools (3 Credits)
The objective of this course is to provide the novice teacher the knowledge for social studies teaching and learning in elementary school. Though not exclusive, topics covered will include the what and why of social studies; assessing student learning; planning units, lessons, and activities; effective instructional strategies; and knowledge of social studies content. The course will include a focus on technology integration, the Virginia Standards of Learning, the Virginia teaching standards, and the standards proposed by the Association of Childhood Education International, the National Council for the Accreditation of Teacher Education, and the National Council for Social Studies.

EED 500G Language and Developmental Reading (3 Credits)
This course is designed to provide elementary education teaching candidates with the knowledge, skills, and dispositions that are necessary for the diagnosis and correction of mild to moderately severe reading difficulties. The physical, physiological, cognitive, language, emotional, and socio-cultural correlates of reading disabilities are examined to help candidates understand the nature and causes of students' reading problems in grades Pre-K-6.

EED 501 Diagnostic Reading (3 Credits)
This course is designed to provide in-service and pre- service teachers opportunities to acquire a comprehensive understanding of the theoretical, historical, and research base of diagnosis. It is also designed to provide opportunities for in-service and pre-service teachers to apply appropriate procedures in the assessment and correction of reading difficulties. Emphasis will be placed on the use of appropriate tools for analyzing individual student's specific strengths and weaknesses in reading; proficiency in the administration and interpretation of diagnostic instruments; and the importance of selecting appropriate instructional strategies to meet the literacy needs of individual students.

EED 503 Teaching and Learning in the Pre K-3 (3 Credits)
This course focuses on teaching/learning in grades Pre K-6. Emphasis is placed on principles of learning, subject- matter appropriate for this level, classroom management, selection and use of materials including media, computers, and assessment of pupil performance. The learning needs of exceptional students including gifted and special needs children will be addressed. Twenty hours of observation and participation at this level are required.

EED 551 Education Leadership I (3 Credits)
Special Contract Course Requested by Norfolk Public & VA Beach Public under the Math Specialist Grant

EED 552 Education Leadership II (3 Credits)
Contact the department for specific course information.

EED 553 Educational Leadership III (3 Credits)
Contact the department for specific course information.

EED 601 Methods and Materials for Teaching Math (3 Credits)
This course will enable the pre-service teacher to integrate mathematics and science in the K-6 classroom through interdisciplinary thematic units. Higher order thinking skills, cooperative learning, and technology will be explored throughout the course. Hands-on activities and experiments will be employed to help the pre-service teacher feel confident about integrating mathematics, science, and technology. The course is a collection of investigation modules in which students will be presented with real world problems and will be assisted in developing model solutions to the problems using state of the art technological means. The primary vehicles for the methods portion of the course are the textbooks. Content is delivered through classroom laboratory activities, reference materials, and technology.

EED 603 Teaching and Learning in the Pre-K-3 (3 Credits)
This course focuses on teaching/learning in grades (Pre-K- 3). Emphasis is placed on principles of learning, subject matter appropriate for this level, classroom management, selection, and use of materials, including media, computers, and assessment of pupil performance. The learning needs of exceptional students, including the gifted and those with special needs, will be addressed. Special emphasis will be placed on developmentally appropriate intervention techniques in the areas of self-help, motor, cognitive, social/emotional, and language. Twenty hours of observation/participation at this level is required. *Early childhood special education majors must complete the clinical experience at the preschool level.

EED 695 Thesis (3 Credits)
Contact the department for specific course information.

EED 696A Practicum (3 Credits)
Contact the department for specific course information.

EED 696C Practicum (9 Credits)
Contact the department for specific course information.

English (ENG)

ENG 519 Contemporary American English Grammar (3 Credits)
This course examines the function of American English grammar in modern communication. It discusses usage, dialectology, stylistics, and aesthetics.

ENG 560 Assessment and Evaluation of Writing (3 Credits)
Study of writing assessment practices with an emphasis on the variables of composition assessment, scalar measures of composition, large-scale assessment and classroom assessment methods, and alternative assessment techniques.

ENG 648 Language and Culture (3 Credits)
This course examines interrelationships among language, perception, and culture. It pays particular attention to the works of such authors as Whorf, Lee Sapir, Carpenter and McLuhan.

ENG 654 Professional Writing (3 Credits)
This course teaches writing for selected professions and occupations, including technical writing for industrial, educational and social agencies. It emphasizes audience, purpose, and content analysis. The course includes proposals, feasibility studies, and short reports.

Fine Arts (FIA)

FIA 500A Art Scope/Sequence (3 Credits)
Contact the department for specific course information.

FIA 500F Creativity in Art (3 Credits)
Contact the department for specific course information.

FIA 513 Computer Graphics (3 Credits)
Contact the department for specific course information.

FIA 514 Fine Arts Methods (3 Credits)
Contact the department for specific course information.

FIA 515 Fine Arts Units (3 Credits)
Contact the department for specific course information.

FIA 535 Painting: Group Studio (3 Credits)
This course is designed for graduate students desiring a studio class format in painting that provides opportunities for enhancing painting techniques and sharpening conceptual focus. Permission of instructor is required for non-matriculating students.

FIA 535B Painting: Group Studies (3 Credits)
This course is designed for graduate students desiring a studio class format in painting that provides opportunities for enhancing painting techniques and sharpening conceptual focus. Permission of instructor is required for non-matriculating students.

FIA 561 Printmaking Studio (3 Credits)
Studio hours are arranged on an individual basis. This course may not be taken for repeat credit. Permission of instructor is required for non-matriculating students.

FIA 570 African/Afro-American Art (3 Credits)
Contact the department for specific course information.

FIA 580 Computer Imaging Studio (3 Credits)
Contact the department for specific course information.

FIA 597 Tutorial Work/Special Studies (3 Credits)
Contact the department for specific course information.

FIA 597A Tutorial Work/Special Studies (3 Credits)
Contact the department for specific course information.

FIA 599 Graduate Seminar Art Education (3 Credits)
Contact the department for specific course information.

FIA 610 Graduate Seminar (3 Credits)
An examination of the creative process and development of concepts as part of a visual language. Includes discussion, research, directed readings, and writing.

FIA 610A Graduate Seminar (3 Credits)
Contact the department for specific course information.

FIA 692 Non-Traditional Art Seminar (3 Credits)
Individual study and experimentation in new art materials and concepts in the visual arts. Assignments will be conceptual, earth, kinetic and newly emerging approaches to art. Prerequisites: Study in two studio areas at the 400 level or above. Permission of instructor required for non-matriculating students.

FIA 695 Graduate Seminar: Contemporary Art (3 Credits)
Intensive critical investigations of selected aspects of the visual arts which focus on the role of the artist in contemporary urban society. This may be repeated for credit as topics vary. Topics are specified in the class schedule.

FIA 697 Graduate Studio (3 Credits)
Permission of graduate program director required. Supervised group and individual inquiry in specific studio projects relating to the areas of major interest.

FIA 697A Graduate Studio (3 Credits)
Contact the department for specific course information.

FIA 698 Graduate Studio (3 Credits)
Permission of graduate program director required. Supervised group and individual inquiry in specific studio projects relating to the areas of major interest.

FIA 698A Graduate Studio (3 Credits)
Permission of graduate program director required. Supervised group and individual inquiry in specific studio projects relating to the areas of major interest.

FIA 698B Graduate Studio (3 Credits)
Permission of graduate program director required. Supervised group and individual inquiry in specific studio projects relating to the areas of major interest.

FIA 698C Graduate Studio (3 Credits)
Permission of graduate program director required. Supervised group and individual inquiry in specific studio projects relating to the areas of major interest.

FIA 699 African American Art (3 Credits)
Contact the department for specific course information.

FIA 699A African American Art (3 Credits)
Contact the department for specific course information.

FIA 699B Grad Seminar:cont Issu/Art (3 Credits)
Contact the department for specific course information

FIA 700 Directed Field Experience (3 Credits)
Contact the department for specific course information.

FIA 700A Directed Field Experience (3 Credits)
Contact the department for specific course information.

FIA 701 Thesis Exhibition (3 Credits)
Permission of graduate program director required. Required of M.F.A. candidates. Course requirements to be determined by the student's advisory committee. Final grade to be determined by the student's thesis review.

FIA 702 Graduate Exhibition (3 Credits)
Permission of graduate program director required. Studio work in preparation for required graduate exhibition. Public exhibition to be approved by the student's advisory committee and must be accompanied by final review. Documentation may be required. Final grade to be determined by the student's thesis review committee.

FIA 750 Continuing Registration (0 Credits)
Continuous registration is required for all degree-seeking graduate students.

FIA 798 Graduate Studio (3 Credits)
Permission of graduate program director required. Supervised individual inquiry in specific projects relating to areas of major interest.

FIA 798A Graduate Studio (3 Credits)
Permission of graduate program director required. Supervised individual inquiry in specific projects relating to areas of major interest.

FIA 798B Graduate Studio (3 Credits)
Permission of graduate program director required. Supervised individual inquiry in specific projects relating to areas of major interest.

Healthcare Administration (HCA)

HCA 501 Healthcare Organizations (3 Credits)
This course focuses on managing and leading health care organizations based on evidence, best practices benchmarks, and a culture of continuous improvement.

HCA 515 Healthcare Financial Management (3 Credits)
This course emphasizes financial management theories and concepts that are unique to health care organizations and are utilized to promote the financial health of the organization. The course explores the tools required to provide insights into financial decision making.

HCA 532 Healthcare Marketing (3 Credits)
Examination of the traditional and contemporary processes and strategies in which health care marketers base their decisions, including the market in which health care organizations operate, the customers in the market, and the needs, wants, motivation, and behaviors of those customers.

HCA 540 Epidemiology and Population Health (3 Credits)
Apply knowledge of managerial epidemiology and population health concepts and principles to develop community-based strategies to improve health outcomes.

HCA 560 Leadership, Ethics, and Professionalism (3 Credits)
Development of leadership, professional, and ethical skills that guide the performance, behavior, interaction, judgment, and decision making of health care leaders.

HCA 599 Law of Healthcare Administration (3 Credits)
Examination of legal issues that affect the health care industry. Students will become familiar with regulations and principles unique to health care and how the knowledge gained could guide the behavior and practice of leaders.

HCA 601 Research Methods in Health Services (3 Credits)
The focus is to utilize scientific research techniques and principles to carry out a research study in health care services with emphasis on problem conceptualization and formulation, research design, and interpretation.

HCA 624 Public Health Policy and Administration (3 Credits)
Examination of health policy issues from an economic perspective including medical expenditures, legislation and regulations, and market conditions. The course explores the politics of health care reform and the role of government in medical care.

HCA 640 Healthcare Economics (3 Credits)
Exploration of economic strategies for decision making in health care, with emphasis to control costs while improving patient care. The course addresses market demand, profitability, risk, and regulations that health care organizations face in their daily operations.

HCA 674 Health Informatics (3 Credits)
Examination of health informatics and how it affects the work of leaders on a daily basis in the context of the structure and behavior of health care systems, organizations, and their members and patients. The course explores the transforming power of health informatics in the delivery of health care services, including operational issues, evidenced-based clinical decision, and systems theory.

HCA 690 Human Resources in Healthcare (3 Credits)
Application of human resources concepts and strategies in developing a highly skilled and qualified workforce. Emphasis is on strategic human resources management thinking and planning, including workforce diversity, job analysis and design, recruitment, selection and retention, workforce development, performance management, disaster preparedness, and competitive compensation.

HCA 699 Master's Project (3 Credits)
Application of research theories, concepts, and strategies to solve problems in the delivery of health care services. Engage students in evidenced-based learning to improve health outcomes and contribute to the field of health care administration.

Health Informatics

MHI 610 Electronic Health Records (3 Credits)
The course focuses on the electronic health recordand interoperability. Students will gain knowledgeand understanding of the electronic health recordas a tool to promote better health outcomes forall citizens. The course will provide hands-onlearning experiences through online softwaresystems. Students will acquire skills through realworld examples in the interoperability of systems.

MHI 620 Population Health Analytics (3 Credits)
This course focuses on the use of health data tosupport population health initiatives. Studentswill gain knowledge and skills in the extraction,preparation, analysis, and presentation of datawith the goal of discovering useful information tosolve healthcare problems and make betterdecisions.

MHI 630 Health Data Management (3 Credits)
Students will learn how to translate health datamanagement theory into practice. The majoremphasis will be on skill-building to performday-to-day operational tasks in health datamanagement. This course will cover data contentstructure and standards; information protection,such as access, disclosure, archival, privacy andsecurity; informatics; analytics; and data,storage.

MHI 650 Health Informatics Internship (6 Credits)
Students will be exposed to the field of healthinformatics and engaged in real-world hands-onlearning at healthcare organizations.

MHI 690 Health Equity and Health Informatics (3 Credits)
This course examines the social context of healthequity in the United States to develop anunderstanding of the social determinants ofhealth. The course explores the impact of healthinformatics on health equity. Various communityresources for serving vulnerable populations areaddressed.

MHI 699 Emergency Response/Health Informatics (3 Credits)
This course examines the role of healthinformatics in emergency preparedness andresponse. Emphasis is placed on how healthinformatics could influence communication andevidence-based decision-making. The special needsof vulnerable populations in emergency and crisissituations are addressed.

History (HIS)

HIS 501 Topics in Us History (3 Credits)
This special-topics course considers various themes and problems in U.S. history. Lecture or seminar topics to be selected by course instructor.

HIS 502 Topicsainaeuropean History (3 Credits)
Contact the department for specific course information.

HIS 503 Topics in Non-Western History (3 Credits)
This special-topics course considers various themes and problems in Non-Western history. Lecture or seminar topics to be selected by course instructor.

HIS 516 America and the Rise of a City (3 Credits)
Contact the department for specific course information.

HIS 610 Topics in Urban History (3 Credits)
Contact the department for specific course information.

Mass Comm/Journalism (MCM)

MCM 510 Introduction to Mass Communication (3 Credits)
This course is a study of the socio-economic and historical developments related to the continuing struggle for freedom of the press and growth of the electronic and print media as conveyors of information to the public.

MCM 512 Editing Publications (3 Credits)
This course examines the theory and practice in selection, preparation, and display of editorial content of publications with emphasis on mass and trade publications.

MCM 513 Specialized Writing (3 Credits)
This course is a non-fiction writing for publication (general, professional, and trade or company publications). Emphasis is placed on full-length magazine-type articles.

MCM 530 Radio Broadcasting (3 Credits)
Study of the principles, structures, and practices of radio broadcasting, including an introduction to WNSB-FM. Study of the way WNSB-FM conducts its daily operations and the equipment at the station. Emphasis on mid-management areas, which are crucial to the successful operation of all radio broadcast properties.

MCM 545 Media Management Administration (3 Credits)
This is an exploration of management roles, functions, organizational structures, and goals in the media. Also, budget planning, personnel, labor-management relations, regulation, and accountability in administering media organizations are examined.

MCM 550 Introduction to Television (3 Credits)
This course is an introduction to the use of television studio and control room equipment for simple studio productions. Emphasis will be placed on the concepts of television production, the use of microphones, lighting, and camera operation. Students will serve as production crews for short television programs.

MCM 560 Assessment and Evaluation of Writing (3 Credits)
Study of writing assessment practices with an emphasis on the variables of composition assessment, scalar measures of composition, large-scale assessment and classroom assessment methods, and alternative assessment techniques.

MCM 576 Broadcast/Cable/Satellite Sales (3 Credits)
The purpose of this course is to introduce the student to principles, structures, strategies and practices of broadcast, cable, and satellite sales. These midmanagement areas are crucial to all electronic media properties.

MCM 585 Media Technologies (3 Credits)
Contact the department for specific course information.

MCM 590A Colloquium in Media and Communication (3 Credits)
The purpose of this course is to allow graduate students the opportunity to gain professional development experience and to explore additional topics in media and communications by attending sponsored departmental, school, college and university faculty lectures, expert guest lectures/speakers and panel presentations. These professional development lectures, seminars, and colloquium presentations will be beyond the usual required and elective courses offered in the curricula.

MCM 610 Media Research (3 Credits)
This course examines the basic statistics and methods for survey research in Mass Communications. Proposal construction, elements of thesis, and research paper format are discussed.

MCM 620 Media Theory (3 Credits)
This course is designed to provide an overview of the models of communication based on Perception Theory, Learning Theory, socio-psychology models, cybernetics, and attitudes and attitude change theory. Required of all graduate majors.

MCM 640 Media Law and Public Policy (3 Credits)
This course is an in-depth study and discussion of selected legal issues and media regulatory philosophies as they relate to the regulatory process, ethics and public policy.

MCM 646 Linguistics and Reading (3 Credits)
This course is an application of linguistics to reading, with attention to phonological, morphological and syntactical structure.

MCM 648 Language and Culture (3 Credits)
This course examines interrelationships among language, perception, and culture. It pays particular attention to the works of such authors as Whorf, Lee Sapir, Carpenter and McLuhan.

MCM 650 Television Directing (3 Credits)
This course deals with the development, production, and performance of television programs, including commercial and instructional formats. Students will script, produce, direct, and perform productions utilizing television studio equipment. Productions will be videotaped and analyzed.

MCM 652 Public Relations (3 Credits)
This course is a survey of the philosophy, function, and techniques of public relations with emphasis on developing a student's creative capacity in dealing with public relations problems in various fields.

MCM 653 Media Law (3 Credits)
This course is a study of laws and public policies dealing with different modes of communication in society, including freedom-of-expression concepts and limitations placed on it, obscenity statutes, right to privacy versus right to know and defamation. The background of telecommunications regulation and ethics of the practitioners of communication are also covered. It is required of all graduate majors.

MCM 654 Professional Writing (3 Credits)
This course teaches writing for selected professions and occupations, including technical writing for industrial, educational, and social agencies. It emphasizes audience, purpose, and content analysis. The course includes proposals, feasibility studies, and short reports.

MCM 655 Intercultural Communication (3 Credits)
This course discusses communication among various cultures with emphasis on behavioral patterns of certain groups and/or social classes. This course introduces the learner to the process of understanding intercultural communication (e.g., communication between people from different cultures). This course will expose the learner to the substantive theoretical issues in cross-cultural, intergroup, and intragroup, communication that contribute to effective communication between those from different cultures.

MCM 660 Seminar in Radio/Tv/Film (3 Credits)
This course focuses on topical discussions, short papers, and presentations related to the field of broadcasting, cable, satellites, and film. Areas of study include history, economics, effects, audience research, and new technologies in the electronic media.

MCM 680 Global Media (3 Credits)
This course deals with a study of the organization and programs of the broadcasting systems and other selected mass media of the United States, the former Soviet Union, the United Kingdom and other countries. A study of other selected countries will be conducted.

MCM 691 Independent Study (3 Credits)
This course is designed for students who intend to pursue a specific topic or issue in the mass media in depth. Papers and presentations are required. The studies and performance in this course should not duplicate or overlap the content of MCM 693 and MCM 699.

MCM 693 Internship (3 Credits)
This course is designed for students who desire to wed their knowledge of the theory and practice mass media to on-the-job training in the industry to acquire competency in their chosen professions.

MCM 694 Internship (wnsb) (3 Credits)
This course is designed to provide students with practical experience related to broadcast station operation through the University's radio station, WNSB-FM.

MCM 699 Graduate Thesis/Project (6 Credits)
This course is required of all students who elect the thesis or project option.

MCM 750 Continuing Registration (1 Credits)
Continuous registration is required for all degree-seeking graduate students.

Materials Science (MATS)

MATS 610 Special Topics (3 Credits)
Contact the department for specific course information.

MATS 710 Special Topics II (3 Credits)
Contact the department for more information.

MATS 750 Continuing Registration (1-9 Credits)
Contact the department for specific course information.

MATS 797 Research III (3 Credits)
Contact the department for specific course information.

MATS 799 Thesis (3 Credits)
Contact the department for specific course information.

Materials Science Engineering (MSE)

MSE 530 Materials Science (3 Credits)
This course presents basic knowledge of the internal structure, properties, processing, and characterization of materials, including metals, ceramics, inorganic composites, and "smart" materials.

MSE 533 Polymers/Composites (3 Credits)
This course deals with general concepts about polymers and polymeric materials/composites, their compositions, chemical structure, synthesis and fabrication, characterization, and properties.

MSE 535 Electronic and Optic Material (3 Credits)
This course deals with the internal structure, chemistry and physics of semiconductors, magnetic and photonic materials as related to their electronic and optical properties, as well as their applications. The course also focuses on how electronic materials are produced, and how to control processing to achieve desired materials performance.

MSE 575 Basic Instrumentation for Material Sci (3 Credits)
This course presents basic materials science related instrumentations, principles, measurements, and data manipulation and visualization with IDL; data collection and data analysis with the LabView Interface; powder x-ray diffraction technique, etc.

MSE 580 Advanced Organic Synthesis (3 Credits)
This course will cover essential synthetic and characterization methodologies of complex organic molecules and polymers, particularly the conjugated semiconducting and conducting molecules and polymers relevant to supramolecular 'plastic' electronic and optoelectronic applications. The course will first provide a brief overview of important and relevant organic reactions and mechanisms; it will then present advanced lab techniques and instrumentations, product purification and characterizations, including air sensitive chemicals handling, vacuum distillation, sublimation, rotary evaporation, thin-layer chromatography, column chromatography, nuclear magnetic resonance spectroscopy (NMR), elemental analysis and mass spectrometry, thermal analysis (DSC/TGA), gel permeation chromatography (GPC) and HPLC, cyclic voltammetry (CV), UV-VIS spectrometry, luminescence spectrometry, FT-IRRaman, etc.

MSE 600 Materials Science/Engineering Seminar I (1 Credits)
This course exposes students to the most recent research developments in the areas of materials science and engineering. Students attend weekly seminars, delivered by local and invited scientists and engineers, who present results of projects carried in their research groups.

MSE 601 Materials Science & Engineer Seminar II (1 Credits)
This course exposes students to the most recent research developments in the areas of materials science and engineering. Students attend weekly seminars, delivered by local and invited scientists and engineers, who present results of projects carried in their research groups.

MSE 605 Ethics of Research (1 Credits)
This is a core professional development course designed for science and engineering graduate students. Students will learn about ethics in the workplace, receive guidance in the selection of and application to job positions in materials science and engineering, as well as improve their skills such as in written and oral communication.

MSE 607 Materials for Nanotechnology (3 Credits)
This course provides a broad overview of the entire arena of nanotechnology including phenomena specific for nanoparticle or nanostructured systems, as well as their modern and future applications. The topics include characterization and fabrication methods in nanoscale, properties of materials as a function of size, review of nanocrystals, quantum dots, nanophotonic structures, nanomagnets, and brief introduction to the principles of quantum computing.

MSE 609 Intro to Computational Materials Science (3 Credits)
Presents basics of computational materials science.

MSE 635 Optical Materials (3 Credits)
The course relates optical behavior and its underlying processes to the chemical, physical, and microstructural properties of the materials so that students gain insight into the kinds of materials, engineering and processing conditions that are required to produce materials exhibiting a desired optical property.

MSE 660 Organic Optoelectronic Materials/Devices (3 Credits)
This course covers the basic knowledge, concepts, and current status of organic/polymer electronic optoelectronic (OE) materials and devices. From fundamentals of electron conjugated organic and polymetic materials, structures, synthesis, to basic principles, architectures, and functions of organic/polymetric electronic and OE devices including, but not limited to, field effect transistors (FETs), light emitting diodes (LEDs), solar cells, electro-optic modulators, optical-switching materials and devices, photorefractive materials and devices, single molecule OE devices, artificial Muscles, spintronic and supramolecular OE materials and devices, etc.

MSE 697 Research I (1-9 Credits)
The Research I course is the first of a three-semester, research course sequence. Students attend seminars and workshops on how to conduct, present and report research activities. Students are also expected to spend considerable time in their research laboratories or in research related activities (between 10 and 15 hours a week). Students must work closely with their research advisor to ensure progress in the course.

MSE 698 Research II (1-9 Credits)
The Research II course is the second of a three-semester research course sequence. Students attend seminars and workshops on how to conduct, present, and report research activities. Students are also expected to spend considerable time in their research laboratories or in research related activities (between 10 and 15 hours a week). Students must work closely with their research advisor to ensure progress in the course.

MSE 699 Research III (1-9 Credits)
The Research III course is the third of a three-semester research course sequence. Students attend seminars and workshops on how to conduct, present, and report research activities. Students are also expected to spend considerable time in their research laboratories or in research related activities (between 10 and 15 hours a week). Students must work closely with their research advisor to ensure progress in the course.

MSE 703 Materials Devices for Energy Conversion (3 Credits)
Presents Materials and Devices for Energy Conversions.

MSE 704 Thin Film Phenomena (3 Credits)
This is a core elective course taken by materials science and engineering doctoral students during their first or second year. Students will learn about critical issues on thin film processing, characterizations, and possible device applications.

MSE 770 Materials Science Doctoral Qualifiers (0 Credits)
To determine the preparation for doctoral research each student will write a proposal outlining the scientific question that their project will address and the methods that they will use to address that question, after performing some preliminary research with their advisor. The proposal will also contain an examination of the validity of the chosen methods and any preliminary results as well as a timeline for the completion of the research. This proposal will be presented to a committee of faculty.

MSE 897 Research I (1-9 Credits)
This course provides the Ph.D. student in the Materials Science and Engineering program academic credit for working solely in the development of their Ph.D. thesis research project. Students are expected to spend considerable time in their research laboratories or in research related activities (between 35 and 40 hours a week) and consult with their research advisor often to ensure progress in the course towards completion of their doctoral research project.

MSE 898 Research II (1-9 Credits)
This course provides the Ph.D. student in the Materials Science and Engineering program academic credit for working solely in the development of their Ph.D. thesis research project. Students are expected to spend considerable time in their research laboratories or in research related activities (between 35 and 40 hours a week) and consult with their research advisor often to ensure progress in the course towards completion of their doctoral research project.

MSE 899 Research III (1-9 Credits)
This course provides the Ph.D. student in the Materials Science and Engineering program academic credit for working solely in the development of their Ph.D. thesis research project. Students are expected to spend considerable time in their research laboratories or in research related activities (between 35 and 40 hours a week) and consult with their research advisor often to ensure progress in the course towards completion of their doctoral research project.

MSE 900 Dissertation (9 Credits)
This course provides guidance for students who are in the final phase of their doctoral studies. Students are expected to spend considerable time preparing their dissertation manuscript and oral defense. Students must work closely with their research advisors to ensure progress in the dissertation writing and thesis oral defense preparation.

MSE 999 Continuing Registration (0 Credits)
Students in the Ph.D. in Materials Science and Engineering program register for MSE 999 while finalizing preparation of their thesis manuscript and oral defense, after fulfilling all requirements for the degree, except MSE 900, Ph.D. Dissertation.

Mathematics (MTH)

MTH 500 Advanded Geometry (3 Credits)
Contact the department for specific course information.

MTH 500L Geometry and the Middle School Teacher (3 Credits)
See department for more information

MTH 500S Probability and Statistics (3 Credits)
See department for more information

MTH 501J Numbrasysta&aoper (3 Credits)
Special contract course requested by Norfolk Schools Portsmouth, for in service teachers to acquire Math Specialist Cerification

MTH 501K Alga&afunctionsamidaschateache (3 Credits)
See department for more information

MTH 501L Rational Numbers & Proportional Reasoning (3 Credits)
Special Grant Course Requested by Norfolk Public Schools & Va Beach Public School

MTH 504 Graph Theory in Data ScienceGraph Theory in Data Science (3 Credits)
A graduate-level introduction to advancedintroduction to various graphs, trees, flows innetworks, maps, walks, networks, and cycles. Thiscourse will primarily introduce all the standardgraphs theory results, emphasizing itsapplications in Data Science. Large datasets withmultiple interconnections between datasetvariables can be distilled and illuminated usingvarious graphs, trees, and networks, recognizingsituations where graphs delineate a given dataset.An introduction to the tree search algorithm andsolutions to four color problems is covered.

MTH 510 Discrete Mathematiccs (3 Credits)
Contact the department for specific course information

MTH 511 Adv Topics in Geom (3 Credits)
Contact the department for specific course information

MTH 514 Probability and Stats for Data Analytics (3 Credits)
A graduate level introduction to probability andstatistical with emphasis towards applications indata sciences. Probabilistic and statisticalmethods regularly provide the foundations for datascience, the methodologies included in this coursewill provide the students the knowledge needed inseveral fields as marketing, finance, and otherdisciplines. This course will prepare the studentsfor modeling and understanding big data problems.

MTH 520 Mathematicalalogical and Setatheory (3 Credits)
Contact the department for specific course information.

MTH 524 Mathmematical Foundations for Mac Lrn (3 Credits)
A graduate level introduction to mathematicalfoundations for machine learning provides acollection of tools for doing machine learning.While the theory of the tools may be technical,the emphasis is on a balance between theory andpractice, with hands-on activities assigned tohelp the understanding of the theory.

MTH 530 Mathematical Models and Applications (3 Credits)
See department for more information

MTH 531 Topicsainaalgebra (3 Credits)
Contact the department for specific course information.

MTH 534 Applications in Adv Numerical Linear Alg (3 Credits)
This course is a continuation of linear algebra,towards topics relevant to applications as well astheoretical concepts. The course starts with areview of matrices, linear systems, subspaces,determinants, eigenvalues and eigenvectors, andorthogonal vectors. Then it introduces the basictechniques, analysis methods, and implementationdetails of numerical linear algebra. Emphasiswill be given on the matrix computations thatarise in solving linear systems, least squaresproblems, and eigenvalue problems. Students willdemonstrate knowledge by completing a finalproject that demonstrates understanding of linearsystems applications.

MTH 540 Mathematical Model and Application (3 Credits)
Contact the department for specific course information

MTH 544 Numerical Analy Fo Comput Meth for Analy (3 Credits)
A graduate level introduction to numericalalgorithms for linear algebra problems withapplications to data analytics. Algorithms will bestudied and analyzed for efficiency and accuracy.Topics include Singular Value Decomposition, QRfactorization, Least Squares, Conditioning andStability, Systems of Equations, Eigenvalues andEigenvalue algorithms and Iterative methods.

MTH 554 Data Visualization and Technical Report (3 Credits)
This course presents a graduate levelcomprehensive introduction to data visualizationand technical reporting. The course will providethe students with the necessary background forvisual representation and analytics of complexdata and data communication to a target audience.The course will cover design strategies,techniques to display multidimensional informationstructures, and exploratory visualization tools.As part of the course, students will be requiredto present written reports and oral presentations.

MTH 600 Modern Applied Statistics: Data Mining (3 Credits)
A graduate level introduction to new techniquesfor predictive descriptive learning using conceptsfrom statistics, programming and artificialintelligence with emphasis on statistical aspectsand integration with standard methodologies.Course covers regression and classification modelswith descriptive methods to discover patterns anddata relationships without inference. This coursewill prepare students to view data from astatistical perspective with automated analysis oflarge complex data sets.

MTH 620 Mathematical Modeling Proj in Data Scien (3 Credits)
The course structure follows a graduate case-studymodel. Throughout the semester, students will bepresented with various case studies ofmathematical models as applied to the fields ofengineering, technology, natural/physical science,social science, business, and/or management. Completion of a formal project with proposaldescribing the modeling problem with outline of apossible solution path concluding in guidedsolution as primary focus. Regular progressreports and presentation of the completed projectby the end of the semester will be required. Theproject will provide solution(s) to the modelingproblem and demonstrate skill on problem-solving,data-fitting, writing, and presenting.

MTH 630 Statistical Meth in Big Data AnalyStatistical Methods in Big Data Analytic (3 Credits)
A graduate level of statistical methods withemphasis towards applications in data sciences.Statistical learning methods regularly provide thefoundations for data science, the methodologiesincluded in this course will provide the studentsthe knowledge needed in several fields asmarketing, finance, and other disciplines. Thiscourse will prepare the students for modeling andunderstanding the fundamentals of statisticalmethods useful for modeling, analyzing andforecasting problems, which include big data.

MTH 640 Ethics and Communication in Data Science (3 Credits)
A graduate level introduction to issues of ethicaldeliberation involved data analytics includingtopics like machine learning and working withincomplete data. Issues on how to collect data toreflect population of interest, model validationswith appropriate error rate, model performance tostandards when deployed are explored. Choice oflearning algorithm and approach to maximizemodels' performance with interpretability withconsideration of ethics into trade-offconsiderations are studied. D ecision making forreal-world effects. Reporting and communicationtopics emphasized through projects.

Music (MUS)

MUS 510A Choral Ensemble (1 Credits)
The Concert Choir is an ensemble of approximately 80 male and female voices specializing in the performance of concert literature of all periods.

MUS 510B Symphonic Wind Ensemble (1 Credits)
Contact the department for specific course information.

MUS 510D Guitar Ensemble (1 Credits)
The Guitar Ensemble performs important literature written for the idiom.

MUS 510E Woodwind Ensemble (1 Credits)
The "Spartan Legion" Marching Band, a high-stepping marching unit usually numbering more than 150 instrumentalists and dancers.

MUS 510F Jazz Ensemble (1 Credits)
The Jazz Ensemble, a group devoted to the serious study and performance of jazz forms.

MUS 511A Choral Ensemble (1 Credits)
The Concert Choir is an ensemble of approximately 80 male and female voices specializing in the performance of concert literature of all periods.

MUS 511B Symphonic Wind Ensemble (1 Credits)
Contact the department for specific course information.

MUS 511D Guitar Ensemble (1 Credits)
The Guitar Ensemble performs important literature written for the idiom.

MUS 511F Jazz Ensemble (1 Credits)
The Jazz Ensemble, a group devoted to the serious study and performance of jazz forms.

MUS 520 Voice Pedagogy (2 Credits)
A course for voice teachers, choral directors, and voice students which gives practical application of teaching techniques, technical principles, vocal methods, and terminology employed in the teaching of singing.

MUS 521A Voice (2 Credits)
Private instruction in Voice for one hour per week. Required for two semesters for non-performance majors.

MUS 521B Piano (2 Credits)
Private instruction in Keyboard for one hour per week. Required for two semesters for non-performance majors.

MUS 521D Brasswind (2 Credits)
Private instruction in brasswind instrument for one hour per week. Required for two semesters for non-performance majors.

MUS 521E Woodwind (2 Credits)
Private instruction in Woodwind instrument for one hour per week. Required for two semesters for non-performance majors.

MUS 521F Strings (2 Credits)
Private instruction in Strings instrument for one hour per week. Required for two semesters for non-performance majors.

MUS 521G Percussion (2 Credits)
Private instruction in Percussion instrument for one hour per week. Required for two semesters for non-performance majors.

MUS 522A Voice (2 Credits)
Private instruction in Voice for one hour per week. Required for two semesters for non-performance majors.

MUS 522B Piano (2 Credits)
Private instruction in Keyboard for one hour per week. Required for two semesters for non-performance majors.

MUS 522D Brasswind (2 Credits)
Private instruction in brasswind instrument for one hour per week. Required for two semesters for non-performance majors.

MUS 522E Woodwind (2 Credits)
Private instruction in brasswind instrument for one hour per week. Required for two semesters for non-performance majors.

MUS 522F Strings (2 Credits)
Private instruction in Strings for one hour per week. Required for two semesters for non-performance majors.

MUS 522G Percussion (2 Credits)
Private instruction in Percussion for one hour per week. Required for two semesters for non-performance majors.

MUS 525A Voice (4 Credits)
Private instruction in Voice for two hours per week. Required for performance majors.

MUS 525B Piano (4 Credits)
Private instruction in Piano for two hours per week. Required for performance majors.

MUS 525D Brasswind (4 Credits)
Private instruction in brasswind for two hours per week. Required for performance majors.

MUS 525E Woodwind (4 Credits)
Private instruction in woodwind instrument for two hours per week. Required for performance majors.

MUS 525F Strings (4 Credits)
Private instruction in Strings for two hours per week. Required for performance majors.

MUS 525G Applied Percussion (4 Credits)
Private instruction in Applied Percussion for two hours per week. Required for performance majors.

MUS 526A Voice (4 Credits)
Private instruction in Voice for two hours per week. Required for performance majors.

MUS 526B Piano (4 Credits)
Private instruction in Piano for two hours per week. Required for performance majors.

MUS 526D Brasswind (4 Credits)
Private instruction in Brasswind for two hours per week. Required for performance majors.

MUS 526E Woodwind (4 Credits)
Private instruction in Woodwind for two hours per week. Required for performance majors.

MUS 526F Strings (4 Credits)
Private instruction in Strings for two hours per week. Required for performance majors.

MUS 526G Percussion (4 Credits)
Private instruction in Percussion for two hours per week. Required for performance majors.

MUS 527 Piano Pedagogy (2 Credits)
This course deals with specific principles of piano teaching and the mechanics of the instrument. Analyzing (from the standpoint of the pupil), planning, and formulating exercises are discussed according to major problems in piano playing.

MUS 531 Music of the Renaissance Era (2 Credits)
This course surveys developments in musical style during the period of 1400 through 1600, concentrating on musical forms and stylistic practices, including the music of Dufay, Ockeghem, Josquin, Gesualdo, Lassus, Palestrina, Gabrieli, and Byrd.

MUS 532 Music of the Baroque Era (2 Credits)
This course examines developments in musical style during the period of 1600 through 1750 against the backdrop of their major philosophical and cultural influences. It includes music of Bach, Handel, Vivaldi, Rameau, and Scarlatti.

MUS 533 Music of the Classical Era (2 Credits)
This course surveys developments in musical style during the late eighteenth and early nineteenth centuries as expressed in the chief categories for the period: symphony, sonata, concerto, opera, chamber music, and sacred music.

MUS 534 Music of the 19th Century (2 Credits)
This course covers the birth of the Romantic era from intellectual and literary origins through the expansions of the symphony orchestra and related forms. Romantic expression through keyboard and vocal forms as well as music of Brahms, Berlioz, Liszt, etc.

MUS 535 Contemporary Music (2 Credits)
This course surveys the musical language and syntax from the period 1900 to the present. This course emphasizes active listening and developing a method of discourse surrounding contemporary music. Music selections will be altered year to year.

MUS 540 Analytical Techniques I (3 Credits)
This course is designed to present systematic approaches to tonal and structural analysis. Musical scores from various periods will be analyzed and discussed. Class lectures will lead to individual analytical projects. (I. Tonal, Harmony II. Post-Tonal Harmony) (Required for two semesters of all graduate majors.)

MUS 541 Analytical Techniques II (2-3 Credits)
This course is designed to present systematic approaches to tonal and structural analysis. Musical scores from various periods will be analyzed and discussed. Class lectures will lead to individual analytical projects. (I. Tonal Harmony II. Post-Tonal Harmony) (Required for two semesters of all graduate majors.)

MUS 546 Orchestration (2 Credits)
This is a practical course in scoring for full orchestra. The study will encompass an examination of orchestral works from the Classical Period to the 20th century and the instrumentation and orchestration of works from other idioms to full orchestra.

MUS 550 Advanced Choral Conducting (2 Credits)
This course will develop students' knowledge and skills in interpreting large and smaller-scale choral works. Music representing all periods will be selected, analyzed, and conducted from an informed performance practice perspective.

MUS 551 Advanced Instrumental Conducting (2 Credits)
This course will develop students' knowledge and skills in interpreting large and smaller-scale instrumental works. Music representing all periods will be selected, analyzed, and conducted from an informed, performance practice perspective.

MUS 590 Introduction to Music Research (3 Credits)
This is a course designed to introduce students to research methodologies, literature, and bibliographic materials relevant to graduate study in music. (Required of all graduate music students.)

MUS 620 Seminar in Performance and Repertoire (2 Credits)
This course allows group and individual participation in performance by graduate students. Emphasis on evaluation of performance practice, style, and interpretation through discussion on class performance.

MUS 623 Organ Literature (2 Credits)
This is a survey of representative works from the major historical eras, including late Renaissance, French and German Baroque, 19th Century French and German and important contemporary styles.

MUS 624 Organ Improvisation and Service Playing (2 Credits)
This course is designed to acquaint organists with skills and techniques involved in hymn and chant accompaniment, free accompaniment, anthem accompaniment, reducing piano-vocal scores for organ, and conducting from the console.

MUS 628 Piano Literature (2 Credits)
This course is designed for students to study piano literature extending from pre-Baroque keyboard repertory to the present. The study is accomplished through performance, analysis, and discussion of bibliographies and editions.

MUS 629 Graduate Diction and Vocal Literature (3 Credits)
Graduate diction and vocal literature is a seminar course for graduate students whose primary instrument is voice. Students will develop a further understanding of the International Phonetic Alphabet (IPA) and skills to translate songs.

MUS 636 Special Studies in Music History (1 Credits)
This is an independent study in selected areas of interest, encompassing a review of current literature and individual projects.

MUS 642 Theory Pedagogy (2 Credits)
This course investigates methods, materials, and sequence for teaching classes in music theory. Consideration is given to the selection of texts, new approaches, contemporary techniques, technology, special problems, and the development of the course outline.

MUS 643 Composition Seminar I (2 Credits)
This course facilitates classroom and individual instruction in composition. Required of composition majors for two semesters.

MUS 644 Composition Seminar II (2 Credits)
This course facilitates classroom and individual instruction in composition. Required of composition majors for two semesters.

MUS 645 Counterpoint and Fugue (3 Credits)
This course is designed to help students develop techniques in modal and tonal counterpoint. Study includes species counterpoint, canon, and fugue. Original compositions in both the Renaissance and Baroque styles are included in the course work.

MUS 650 Choral Techniques (3 Credits)
This course is designed to deepen the choral conductor's understanding of choral music and its performance.

MUS 651 Band Management (2 Credits)
This course familiarizes prospective and professionally employed band directors with management skills and procedures necessary for an effective band (instrumental music) program.

MUS 680 History/ Philosophy of Music Education (3 Credits)
This course is a survey of the historical and philosophical foundations of music education from ancient Greece to the present day with an emphasis on the history of public school music in the United States.

MUS 681 Current Trends in Music Education (3 Credits)
This course identifies current research issues, learning theories, curriculum development materials, media, and teaching strategies/ methodologies relevant to contemporary school music.

MUS 682 Administration/ Supervision in Music Ed (3 Credits)
This is a survey of the role and responsibilities of the school music supervisor/coordinator. Topics will include effective leadership, instructional improvement, developing positive staff relationships, staff evaluation, and attending to various administrative duties.

MUS 683 Special Studies in Music Education (3 Credits)
This is a terminal option for the non-thesis music education major. The design, implementation, and submission of a written case study report on an innovative instructional program are required. Students must consult with their advisor.

MUS 684 Special Studies in Music Education (3 Credits)
This is a terminal option for the non-thesis music education major. The design, implementation, and submission of a written case study report on an innovative instructional program are required. Students must consult with their advisor.

MUS 685 Teaching Practicum in Brasswinds (2 Credits)
This course is designed to familiarize the student with methods of instruction through a presentation of current materials and pedagogical views. Each student is expected to participate in class ensembles rotating on the instruments in a particular family.

MUS 686 Teaching Practicum in Woodwinds (2 Credits)
This course is designed to familiarize the student with methods of instruction through a presentation of current materials and pedagogical views. Each student is expected to participate in class ensembles rotating on the instruments in a particular family.

MUS 687 Teaching Practicum in Strings (2 Credits)
This course is designed to familiarize the student with methods of instruction through a presentation of current materials and pedagogical views. Each student is expected to participate in class ensembles rotating on the instruments in a particular family.

MUS 688 Teaching Practicum in Percussion (2 Credits)
This course is designed to familiarize the student with methods of instruction through a presentation of current materials and pedagogical views. Each student is expected to participate in class ensembles rotating on the instruments in a particular family.

MUS 689 Terminal Project Preparation (3 Credits)
This course is prepares students for the terminal project required in MUS 690, MUS 689A, MUS 689B and MUS 689C.

MUS 690A Thesis (3 Credits)
An extended and scholarly research project on a significant topic for students in Music Education or Theory/Composition Concentrations.

MUS 690B Recital (3 Credits)
The presentation of a public recital for students in the Performance Concentration.

MUS 690C Lecture-Recital (3 Credits)
The presentation of a public lecture/recital for students in the Theory/ Composition Concentration.

MUS 750 Continuing Registration (0 Credits)
Continuous registration is required for all degree-seeking graduate students.

Optical Engineering (OEN)

OEN 520 Optical Design and Instrumentation (3 Credits)
This course introduces geometrical and physical optics systems and a variety of optical equipment, including mirrors, prisms, beam splitters, couplers, polarization equipment, lasers and laser coupling techniques. Laboratory experiments will introduce basic photonic, geometric and physical optics instrumentation as well as measurement techniques.

OEN 530 Optical Materials (3 Credits)
This course relates optical behavior to the fundamental chemical, physical and micro-structural properties of conductors, insulators, and semiconductor materials. Specialty topics such as Kerr effect, Stark effect, Zeeman shift, radiative and non-radiative transitions, up-conversion processes, and other energy transfer mechanisms are also discussed, with an emphasis on semiconductor materials.

OEN 540 Lasers and Photonics (3 Credits)
This course reviews the electromagnetic principles of optics, including Maxwell's equations, optical amplification processes, Gaussian beams, and modal characteristics of laser resonators. An overview of gas, solid state, and semiconductor laser systems is presented. Finally, foundational principles of selected photonic devices, including semiconductor-based detectors and photovoltaic devices are introduced.

OEN 560 Optical Communications I (3 Credits)
This course introduces the advantages of optical communication and the fundamental components of a communication system. Topics include waveguide theory, signal impairments mechanisms such as optical attenuation and dispersion in fibers, laser modulation, photo detection and noise, and coherent communications.

OEN 561 Optoelectronic and Photonic Devices (3 Credits)
The course provides an understanding of the combined use of optoelectronic and photonic components and devices, which enables the design of a well-engineered fiber optic communication system. The first part of the course provides a review of sources, amplifiers, detectors, and signal degradation mechanisms in optical fibers. The second part of the course focuses on wavelength-division multiplexed fiber networks and optical switching cores for routing. Finally, system design testing and performance optimization for different network configurations will also be tested with the aid of system modeling software.

OEN 580 Quantum Mechanics (3 Credits)
Contact the department for specific course information.

OEN 630 Opto-Electronic Devices (3 Credits)
Materials for optoelectronics optical processes in semiconductors, absorption and radiation, transition rates and carrier lifetimes are discussed. Principles of LEDs, lasers, photo detectors, modulators and solar cells, and optoelectronic integrated circuits are discussed in detail.

OEN 661 Opticsaandalasers (3 Credits)
Contact the department for specific course information.

Physics (PHY)

PHY 565 Physical Mechanics (3 Credits)
Contact the department for specific course information.

PHY 566 Electricity and Magnetism (3 Credits)
Contact the department for specific course information.

PHY 580 Quantum Mechanics for Material Science (3 Credits)
This course covers basic principles, the Schrodinger equation, wave functions, representation of dynamical variables as operators or matrices; bound and continuum states in one-dimensional systems; bound states in central potentials; hydrogen atoms; Perturbation Theory; the interaction of electromagnetic radiation with atomic systems; rotations and angular momentum and applications to solid state systems

PHY 590 Physics Demonstration (3 Credits)
Contact the department for specific course information.

PHY 591 Experimental Concepts in Physics (3 Credits)
Contact the department for specific course information.

PHY 653 Solid State Physics (3 Credits)
This course covers mechanical, thermal, and electric properties of solids; crystal structure; Band Theory; semiconductors; phonons and transport phenomena.

PHY 675 Electricity and Magnetism (3 Credits)
This course covers the development of Maxwell's equations, Conservation Laws, problems in electrostatics and magnetostatics, time-dependent solutions of Maxwell's equations, motion of particles in electromagnetic fields, plane waves in dielectric and conductive media, dipole and quadrupole radiation from nonrelativistic systems, Fourier analysis of radiation field and photons, and scattering and diffraction of electromagnetic waves.

Political Science (POS)

POS 660 Urban Administration (3 Credits)
This course focuses on relevant and scholarly literature on the administration of municipalities. The first half of the course will be devoted to the critical examination of theories relative to some general themes of the urban area. The second half will be devoted to the examination of empirical observations or practical examples of attempts to apply these theories to concrete situations.

POS 661 Urban Finance Administration (3 Credits)
This course covers administrative opportunities and implications of the municipal budgetary process. It includes an analysis of financial conditions, financial reporting, the programming of service improvement, debt administration, and the financing of local government service improvement through municipal taxation and other revenue measures. Fiscal problems and principles relevant to budgetary control and accountability in various types of local government are considered.

Psychology (PSY)

PSY 501 Continuous Enrollment (1 Credits)
The course provides the student with continuous matriculating status for the semester while not enrolled in coursework but adhering to all other university policies and procedures for continuous enrollment.

PSY 510 Psychology & Cyberspace (3 Credits)
The psychology of cyberspace is explored through examination of the intersection between psychological theory and the progression of technology through its current digital manifestation in everyday life. The behavioral implications of digital technologies will be explored associated with help-seeking, cybercrime, digital privacy, and information security.

PSY 520 Trends in Cyberpsychology (3 Credits)
Current trends in the field of cyberpsychology are explored with an emphasis on preparing the student to be aware of the current areas of greatest need relevant to this discipline area. This course will prepare students to identify gaps in current qualitative and quantitative cyberpsychological research. Discussions and assignments will provoke critical thinking and help students explore potential areas of interest for research.

PSY 530 Research & Ethics (3 Credits)
This course is designed to provide the student with a collection of ethical guidelines for conducting social science research with an emphasis on non-traditional sources of data collection. Traditional research methods and principles of ethical conduct a psychological study are introduced. Strategies needed to effectively plan, design, evaluate, and disseminate cyberpsychological research are discussed as is suitability of various forms of research tailored to potential capstone projects.

PSY 535 Quantitative Research Methods (3 Credits)
This course focuses on understanding quantitative research applied to the critical examination of human behavior. Methodologies and theoretical foundations are discussed building upon descriptive and inferential statistical techniques.

PSY 536 Qualitative Research Methods (3 Credits)
This course focuses on understanding qualitative research applied to the critical examination of human behavior. Methodologies and theoretical foundations with particular emphasis on both emic and etic approaches consistent with field interviewing, focus group surveying, and examination of publicly available source material. Data analytic approaches will be examined and academic article critique will be included.

PSY 540 Consumer and Media Cyberpsychology (3 Credits)
This course will introduce students to the psychology of the consumer and the media in an increasingly digital world. Students will examine the relevance of psychology theory and research to understand how social media, in particular, impacts the social and economic well-being of individuals within different societies. Students will explore how consumer preferences are shaped and influenced by the different media available to them as well as how information is cultivated and delivered to people based on big data sourcing and algorithms that leverage users' online activity.

PSY 550 Human-Computer Interaction (3 Credits)
Human-computer interaction (HCI) is an interdisciplinary field that integrates theories and methodologies from computer science, cognitive psychology, human, factors, digital learning, and other related areas. This course will cover the basic theory and methods that exist in the field and use case studies, critical thinking, and experiential activities to examine the potential applications of HCI in physical and digital environments.

PSY 560 Virtuality (3 Credits)
Virtuality explores the artistic, scientific, and clinical application of reality and actuality on human behavior. Diverse and interdisciplinary approaches will be used to explore the intersection between society, culture, technology, and digital connectivity to better understand methods of increasing quality of life and life satisfaction. This course incorporates psychological theories which support the biological bases of behavior, sensation and perception, cognition and communication, and mental health care to facilitate the critical examination of how virtual and augmented reality and related technologies are leveraged to improve human functionality and performance.

PSY 570 Forensic Cyberpyschology (3 Credits)
This course addresses the research and application of psychological knowledge to different areas of (digital) forensics specifically as they apply to the intersection of psychology, sociology, and criminal justice. Classifying cybercrimes and applying forensic psychology to deviant online behavior from criminological and forensic psychological theoretical perspectives will be addressed.

PSY 580 Cybercognition & Behavior (3 Credits)
This course is designed to teach the underlying principles of human cognition (i.e., attention, thinking, perception, intelligence, comprehension, memory, decision making, problem solving, reasoning) as it applies to human behavior in cyberspace. Attention will be given to the comparison of online versus offline behavior and decision making. This course deals with understanding how higher mental processes are influenced by digital technologies and provides relevant theories and research to support a deeper understanding of cybercognition.

PSY 590 Cyberpsychopathology (3 Credits)
This course offers a broad overview of abnormal psychology and applies concepts to behaviors commonly impacted by digital technologies. Topics may include how to define normal versus abnormal, behavior, diagnostic features and etiology of well-established psychopathology, prevalence and treatment of psychopathology and related disorders, critical evaluation of current debates about digital addictions and online self-help, and a focus on the influence of societal and systemic factors.

PSY 600 Cyberpsychology Internship (3 Credits)
Internship experience in a cyberpsychology related position provides the student with an opportunity to apply their knowledge in an applied setting. Internship does not guarantee future employment but aims to significantly enhance marketability post-graduation. Internships may require a physical presence for 5-20 (or more) hours per week with credit hours (minimum of 1, maximum of 3 per semester) commensurate with anticipated hours of work. The course instructor will also provide indirect supervision and oversee required documentation and evaluation completion. All training opportunities must be approved by the MS CyberPsychology Program Coordinator prior to their start. Students are also required to complete course assignments facilitated by the course instructor. Students may repeat this course for credit multiple times up to 9 semester credit hours in total.

PSY 610 Cyberpsychology Research I (3 Credits)
This course facilitates the formal research process for the student to develop, refine, carry out and analyze data in pursuit of a successful capstone project. In this course, students will work with their instructor to identify an appropriate and researchable capstone topic and prepare the required background information and documentation needed to execute their study. Students will conduct literature reviews and formulate a full research proposal outlining all areas of their proposed study. Students will prepare all documentation for the institutional review board, and review and carry out their research study leading directly into PSY690 (Capstone), where they will finalize and present their project. PSY610 is repeatable and students are required to complete 9 credits prior to enrolling in PSY690.

PSY 620 Cyberpsychology Research II (3 Credits)
This course is the second of three formal research courses required to prepare the student for a successful capstone project completion. In this course students will work with the instructor to implement and execute their study directly following from their progress in PSY 610. Students are expected to begin the process of collecting data and formalizing their capstone documentation in preparation for the capstone course.

PSY 690 Cyberpsychology Capstone (3 Credits)
The CyberPsychology Capstone is the final course in the research sequence. Building on the progress achieved in PSY 610, students will be prepared to compile their results in a comprehensive research report and present their research findings for approval. Capstone completion is acknowledged after the student successfully presents and defends their project representing the culmination of the student's development throughout the program and the final deliverable prior to earning the MS in CyberPsychology degree.

Social Work (SWK)

SWK 500A Special Topics: in Social Work (3 Credits)
Contact the department for specific course information.

SWK 500B Special Topics in Soc Work (3 Credits)
Contact the department for specific course information.

SWK 500C Special Topics in Soc Work (3 Credits)
Contact the department for specific course information.

SWK 500D Special Topics in Soc Work (3 Credits)
Contact the department for specific course information.

SWK 529 SW Practice With Military Families (3 Credits)
This course examines the impact of the military lifestyle on the family and social work's role and responsibilities within the military and their families.

SWK 591 Individual Studies Social Work (3 Credits)
Contact the department for specific course information.

SWK 614 Social Entrepreneurship /Grantsmanship (3 Credits)
This course introduces students to both the theory and practice of social entrepreneurship and grantsmanship including tools to help secure financial resources for nonprofit and for-profit organizations.

SWK 626 Human Behavior & the Social Environment (3 Credits)
This course explores human behavior and provides a framework for understanding individuals, families, groups, organizations, and communities within the context of interacting physical and social environments.

SWK 639 Ethnicity (3 Credits)
This course is concerned with the particular development of ethnic, racial, religious groups, and cultural diversity in America. Theories of ethnicity, race, religion, and intergroup relations, their relevance to social work, the functions of and models for their study, derived from social research, are examined. Social issues, models for intervention designed to ameliorate unjust and oppressive conditions, and the impact of America's pluralism are explored. Concepts of culture, ethnicity, race, religion, prejudice and discrimination, and their influence on social welfare programs and social work practice are emphasized. Included are examination of ethnocentrism, racism, intergroup conflict, segregation, and other practices that have profound impact on the education, health, housing, employment, crime and delinquency, and mental and emotional health of individuals, families, groups, and communities.

SWK 651 Social Welfare Policy and Services (3 Credits)
The purpose of the course is to provide students with an understanding concerning social injustices in policies.

SWK 652 Social Welfare Policy and Services II (3 Credits)
The purpose of this course is to build student knowledge, skills, and values to change social institutions to be more humane, equitable, socially just, inclusive, and responsive to increasingly diverse human needs through social policy and advocacy.

SWK 663 Trauma and the Military (3 Credits)
This course focuses on understanding the range of physical and emotional consequences of trauma that experienced by active-duty military personnel, veterans, reservists, and noncombatants.

SWK 675 Social Work Profession (3 Credits)
This course emphasizes the knowledge, values, and skills needed to engage in foundational social work practice. Students learn to apply social work values and ethics to interventions with individuals, families, and communities guided by cultural competence and social justice.

SWK 690A Field Practicum I (3 Credits)
Field Practicum I is an integrative experience that provides students with the learning opportunity to engage in supervised social work practice in human services settings.

SWK 690B Field Practicum I (3 Credits)
Field Practicum I is an integrative experience that provides students with the learning opportunity to engage in supervised social work practice in human services settings.

SWK 693A Msw Field Practicum Orientation I (0 Credits)
This is a mandatory/required one-time attendance course designed as an orientation to equip the MSW I Generalist social work field practicum.

SWK 693B Msw Field Practicum Orientation I (0 Credits)
This is a mandatory/required one-time attendance course designed as an orientation to equip the MSW I Generalist social work field practicum.

SWK 697 Research Methods I (3 Credits)
This course examines the fundamental knowledge of research. Further, it assists with social work practice, as well as practice evaluation and research outcome utilization.

SWK 698 Research Methods II (3 Credits)
This is an advanced research course which focuses on research designs and analytical skills for the systematic evaluation of clinical social work practice. The utilization of quantitative and qualitative methods for data analysis is examined.

SWK 714 Differential Approaches to Treatment (3 Credits)
This course examines selected approaches to intervention used by social work professionals with individuals, families, and groups in a variety of settings.

SWK 715 Intervention: Military Family/Personnel (3 Credits)
The major focus of this course is the identification of risks and resilience factors among service members and their families who experience trauma.

SWK 730 Differential Assessment (3 Credits)
This course is designed to provide social work students with the essential knowledge, understanding and application of the DSM.

SWK 736 Substance Abuse (3 Credits)
The purpose of this course is to provide students essential knowledge and skills necessary for successful program planning, service delivery, and evaluative practice with people involved in substance abuse.

SWK 737 Trauma-Informed Practice I (3 Credits)
This course prepares students to apply evidence-based and culturally respectful, trauma-informed clinical practice with children and families.

SWK 740 Stem-Health for Social Workers (3 Credits)
This course presents STEM-Health principles that are informed by science, technology, engineering, and mathematics as applied to military personnel who have suffered injuries or illnesses.

SWK 750 Continuing Registrar in Social Work (1 Credits)
Continuous registration is required for all degree-seeking graduate students.

SWK 753 School Social Work (3 Credits)
This course focuses on social work practice in the educational setting. There will be an overview of historical developments, educational policy and planning, and implementation of social work service delivery.

SWK 759 Community Mental Health Policy & Service (3 Credits)
This course emphasizes historical and current policies and services for mental health in the United States. Trends, impact, and outcome of these policies will be discussed.

SWK 760 Child Welfare Policies and Services (3 Credits)
The content of this course includes an in-depth study of services and programs affecting the security and development of children.

SWK 761 Military Policies and Services (3 Credits)
This course focuses on understanding how military culture shapes clients' lives and to advocate for those who need access to the benefits.

SWK 762 Community Practice (3 Credits)
This course is designed to introduce students to the dynamics of organizational and community change and transformation.

SWK 763 Social Planning & Program Development (3 Credits)
This course introduces students to the principles, processes, and methods of social planning. Centering its focus on cultural diversity and social justice, it examines various assumptions, theoretical models, and approaches to social planning in community development.

SWK 764 Leadership/Management in Administration (3 Credits)
This course provides students with knowledge and skills in social work administration and supervision in public and private human service organizations.

SWK 765 Financial Capability and Asset Building (3 Credits)
This course provides an introduction to the fieldof financial capability and asset buildingpractice along with core content about economics. It includes poverty, personal household finance,financial access, and related economic content. Learning focuses on economic and financial coneptsrelated to individuals and families across thelife span, communities, and oppressed populationsexperiencing poverty.

SWK 771 Social Work With Individuals (3 Credits)
This course is designed to critically examine selected clinical modalities for social work practice with individuals in thea context ofa its demonstrated effectivenessa for diverse populations and cultures.

SWK 772 Social Work Practice With Groups (3 Credits)
This course provides students with the knowledge about social work group theory perspectives and the experimental application of group-based skills for social work group interventions.

SWK 773 Application of Group Skills (3 Credits)
This course builds on the process model of SWK 772 to advance the application of theory and skills for clinical social work practice with groups. The advanced nature of this course includes 1) more in-depth attention to theory and skills for facilitating groups for therapeutic purposes; 2) more sophisticated application of action and process-based techniques to the stages of group development and to the cultural diversity of members in therapeutic groups; 3) more comparative assessment of the types of/and models for social work practice with groups in diverse contexts; 4) more intensive experience in a group process designed to increase awareness regarding current strengths and obstacles to the "use of self" in clinical social work practice with groups.

SWK 775 Social Work With Families (3 Credits)
This course provides students with the knowledge and application of theoretical frameworks related to family social work practice.

SWK 783 Advance Social Work With Families (3 Credits)
Prerequisite: SWK 775 This course is designed to enhance the student's assessment and intervention skills and to expose students to the competency-based (strength oriented) approach to family therapy. Special attention will be given to gender issues and families from diverse cultures. The course builds upon content previously experienced by the student in the clinical methods foundation, ethnicity, the advanced curriculum and field experience. Primary emphasis will be placed upon students obtaining and demonstrating skills and techniques. Thus, role play, case presentation and an analysis of pre-recorded video tape will be extensively employed.

SWK 790A Field Practicum II (6 Credits)
Field Practicum II is an experiential integrated specialized practice experience in an affiliated agency/ organization that provides students with the learning opportunity upon successful completion of Field Practicum I and all prerequisite courses.

SWK 790B Field Practicum II (6 Credits)
Field Practicum II is an experiential integrated specialized practice experience in an affiliated agency/ organization that provides students with the learning opportunities.

SWK 793A Msw Field Practicum Orientation I (0 Credits)
Prerequisite: SWK 790 A & B. Co-Requisite: Enrolment in a social work practice methods course. This is a mandatory/required one-time attendance course designed as an orientation course to equip the MSW II Specialized level experience.

SWK 793B Msw Field Practicum Orientation II (0 Credits)
Prerequisite: SWK 790 A & B. Co-Requisite: Enrolment in a social work practice methods course. This is a mandatory/required one-time attendance course designed as an orientation course to equip the MSW II Specialized experience.

SWK 810 Seminar: Scholarly Writing (3 Credits)
This course demonstrates effective implementation and dissemination of written ideas as a process for a career in academia. It defines writing as advancing the knowledge base of the discipline and profession through publication.

SWK 811 Theories and Models of Practice (3 Credits)
This course examines the epistemological basis for social work practice. It analyzes classic and contemporary theories and models of practice within the context of current diversity and social justice issues.

SWK 812 Innovative Pedagogy (3 Credits)
This course provides students with a supervised experience in major task functions in the role of social work educator. Curriculum development, teaching tasks, supervisory meetings, and assigned readings are integral components of the practicum experience.

SWK 813 Research Methods for Social Work (3 Credits)
This course examines the methods and modality of research inquiry into systems that influence social work practice and policy. Students will learn research design and types of data analysis techniques.

SWK 814 Social Welfare History and Philosophy (3 Credits)
This course examines the history and philosophy of social welfare policy and the development of social work profession in the United States from colonial America to the present time.

SWK 815 Theory for Family-Centered Social Work Practice (3 Credits)
This course builds on the core courses through a focus on the family systems. It examines the ecosystems concepts and family theory currently available for family assessment and intervention.

SWK 816 Qualitative Research Methods (3 Credits)
This course introduces the theory, method, and practice of qualitative research. Students will learn how to analyze narrative data thematically using the constant comparative method.

SWK 817 Social Policy Analysis and Evaluation (3 Credits)
This course builds on SWK 814 by introducing students to the concepts, methods, and theory of public policy-making process (at the local, state, and federal governments). Students will learn social policy analysis and evaluation to address social problems in society.

SWK 818 Seminar: Diversity, Equity, & Inclusion (3 Credits)
This course explores the basis of classic and modern biopsychosocial theories within the construct of those who experience social, economic, and political injustice. Theoretical frameworks are examined that promote diversity, equity, and inclusion.

SWK 819 Advanced Research Methods (3 Credits)
This course examines techniques of multivariate analysis, including multiple regression, logistic regression, multinomial regression, hierarchical multiple regression, multi-level modeling, and factor analysis.

SWK 820 Culture, Privilege, and Oppression (3 Credits)
This course explores the basis of cultural diversity theories within the construct of those who experience social injustice. Theoretical frameworks are examined that address privilege and oppression in the context of multiculturalism.

SWK 821 Applied Structural Equation Modeling (3 Credits)
This course introduces simultaneous estimation of multiple equations and deals with causally related observed and latent variables. Topics include model specification, identification, model fit, path analysis, and confirmatory factor analysis.

SWK 822 Curriculum Development (3 Credits)
This course addresses dynamics, structures, processes, and goals of curricular development and change in social work education. Special attention is given to the philosophy of education and contemporary trends and issues.

SWK 829 Advanced Research Practice (3 Credits)
This course provides students with an individualized advanced "hands on" research experience under the supervision of a faculty member. The objective of the research practicum is to strengthen students' ability to synthesize different phases and components of social work research. Students are encouraged to pursue a publication stemming from the research experience.

SWK 830 Seminar: Social Work Research (3 Credits)
This course provides students with a group experience in the development and application of qualitative and quantitative research methods. Students will participate in the design and implementation of funded and non-funded research related to social work practice with diverse families. This course strengthens students' capability to conduct independent research.

SWK 831 Mixed Methods Research (3 Credits)
This course provides an overview of mixed methods research and emphasizes applications in social and health sciences. Topics include design, data collection, analysis, and integration of qualitative and quantitative methods.

SWK 832 Epidemiology in Public Health (3 Credits)
This course introduces principles, methods, and applications of epidemiology in public health and social welfare. Topics include epidemiological designs, outbreak investigation, descriptive, and analytical approaches to assessing health and diseases.

SWK 833 Program Evaluation in Social Services (3 Credits)
This course introduces methods to evaluate social programs, services, and interventions. Topics include needs assessment, program design, logic model, formative and summative evaluations, process evaluation, cost effectiveness, and impact assessment.

SWK 834 Writing for Publication (3 Credits)
This course covers knowledge and skills necessary to write and to prepare manuscripts for peer-reviewed publications. Topics include publication process, peer review, writing strategies, and steps for submission.

SWK 840 Social Work & Criminal Justice Policies (3 Credits)
This course examines varying goals and values underlying criminal justice policies in the United States, the process of policy development, and the ways such policies shape the daily operations of the criminal justice system.

SWK 889 Research Practicum (3 Credits)
This course involves the individually supervised practice in the application of research methods and tools to a specific social welfare problem, which may be indicated by students, generated by faculty and/or a social agency. Research may include historical/bibliographical study methods.

SWK 910 Dissertation Seminar (3 Credits)
This course is designed to assist students in planning, conducting, and reporting dissertation research. It covers the role and selection of the dissertation committee, dissertation guidelines, including preparation of the dissertation proposal, practical considerations in conducting dissertation research, and the preparation and defense of the dissertation report. Topical areas of social work research and publication guidelines are also covered.

SWK 950 Comprehensive Examinations (0 Credits)
Comprehensive Exams are required for candidacy.

SWK 999 Doctoral Dissertation (1-9 Credits)
Candidates for the PhD in Social Work are required to plan, carry out, and report the results of an original independent study in the form of a doctoral dissertation. Doctoral candidates are required to maintain continuous enrollment until completion of all dissertation requirements.

SWK 999A Doctoral Dissertation (9 Credits)
Candidates for the PhD in Social Work are requiredto plan, carry out, and report the results of anoriginal, independent study in the form of adoctoral dissertation.

SWK 999B Doctoral Dissertation (9 Credits)
Candidates for the PhD in Social Work are requiredto plan, carry out, and report the results of anoriginal, independent study in the form of adoctoral dissertation.

SWK 999C Dissertation Continuing Registration (1 Credits)
Continuous registration is required for alldegree-seeking graduate students. Doctoralcandidates are required to maintain continuousenrollment until completion of all dissertationrequirements

Special Education (SPE)

SPE 512 Foundations of Special Education: Legal and Ethical Aspects of Educating Exceptional Learners (3 Credits)
This is a comprehensive active learning course designed to provide students with a framework to understand the legal requirements of providing a free and appropriate public education to learners with disabilities. The course addresses the necessary information for pre-service teachers and practitioners to understand the history and developments of special education laws, and the requirements of these laws from a legal viewpoint and an ethical perspective. In addition, opportunities are provided for students to enhance their skills in locating pertinent information in law libraries, on the Internet, and from other sources to keep abreast with the constant changes and developments in the field.

SPE 516 Managing Human Behaviors (3 Credits)
The focus of this course is on advanced concepts and strategies to change behavior patterns of individuals and groups. It includes a knowledge base of critical theoretical frameworks and programmatic paradigms for increasing appropriate behaviors and decreasing inappropriate behaviors that are generalized to enhance the individual's adjustment to live a harmonious and productive life in a multicultural environment.

SPE 516A Managing Human Behavior-Adapted (3 Credits)
Contact the department for specific course information.

SPE 523 Attirubutes and Medical Conditions Assoicated With Disabilities (3 Credits)
Medical aspects of development and legal aspects as they relate to educational issues will be explored. This will include exploration of etiology, treatment, medical characteristics and educational approaches. The Individuals with Disabilities Education Act (IDEA), Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act, the Disabilities in Education Improvement Act (IDEIA), and the No Child Left Behind Act (NCLB) will be discussed. Twenty (20) hours of guided observation/participation at this level are required (see http://www.nsu.edu/education/pdf/ProfessionalObservationHandbook.pdf).

SPE 523A Attirubutes and Medical Conditions Assoicated With Disabilities-Adapted (3 Credits)
Contact the department for specific course information.

SPE 523V Characteristics of Students With Visual Impairments (pre/Co-Requiste Course) (2 Credits)
Contact the department for specific course information.

SPE 524V Braille Code (3 Credits)
Contact the department for specific course information.

SPE 525V Medical and Educational Implications of Visual Impairments (3 Credits)
Contact the department for specific course information.

SPE 532 Curriculum & Instructional Procedures for Teaching Students With Mild Disabilities (3 Credits)
This course is designed to focus on strategies for teaching learners with mild disabilities who are accessing the general education curriculum. Areas of study include terminology and etiological factors, historical perspectives, legal parameters, assessment techniques, influence of culture variables, current issues, and effective methods of instruction. A twenty hour clinical experience is required.

SPE 532V Curriculum and Assessment for Students With Visual Impairments (3 Credits)
Contact the department for specific course information.

SPE 533V Assistive Technology for Individuals With Sensory Impairments (3 Credits)
Contact the department for specific course information.

SPE 534 Individualized Education Program Implementation: Alternative Strategies for Teaching Students With Mild Disabilities (3 Credits)
Contact the department for specific course information.

SPE 538 Nature of and Strategies for Teaching Individuals With Severe Disabilities (3 Credits)
This course is designed to provide students with the means to assist individuals with severe disabilities to function more effectively in school and in the community. Areas of study include terminology and etiology, historical perspectives, legal parameters, assessment, influence of cultural variables, current issues, and effective methods of instruction. A twentyhour practicum is a requirement for this course.

SPE 538A Nature of and Strategies for Teaching Individuals With Severe Disabilities (3 Credits)
Contact the department for specific course information.

SPE 540A Collaboration Procedures-Adapted (3 Credits)
The purpose of this course is to teach strategies for building and working effectively within collaborative teams in schools. Course content addresses the following areas: Team organization; Stages of team development and team building strategies; Teamwork skills (e.g., communication, problem-solving, conflict resolution); Challenges to and supports for collaborative teams; Teams' roles in designing individualized education programs and other plans;Understanding and supporting team's relationship with family members, students and peers, related services personnel, and paraprofessionals.

SPE 542 Reading and Literacy Instruction for Exceptional Learners (3 Credits)
This is comprehensive active learning course designed to provide students with a foundation in literacy instruction and content area reading. Emphasis will be placed on language acquisition and the interrelated nature of reading, writing, speaking, listening, and thinking to promote the use and understanding of language by the exceptional learner. Field experiences will facilitate student mastery of developing a balanced reading program.

SPE 542A Reading and Literacy Instruction for Exceptional Learners (3 Credits)
Contact the department for specific course information.

SPE 545 Collaboration, Inclusion, Transition and Other Curriculum Adjustments (3 Credits)
This course is designed to increase the competence of teachers in meeting the instructional needs of exceptional learners. Its focus is on current issues and trends for accommodating variances in abilities through cooperation with persons from other disciplines and agencies. A twenty- hour clinical experience is required.

SPE 545A Transition Procedures-Adapted (3 Credits)
Contact the department for specific course information.

SPE 545V Consultation and Collaboration (3 Credits)
Contact the department for specific course information.

SPE 613 Assessment and Evaluation in Ecc (3 Credits)
This course is designed to provide students with a theoretical, clinical, pragmatic, and relevant overview regarding the assessment and evaluation of infants, toddlers, and preschoolers with special needs. The course will also highlight procedures and measures used to evaluate a spectrum of abilities (i.e. cognition, motor, sensory, communication, adaptive behavior, and social competence) with sensitivity to class, cultural differences, environment, and family resources. The culminating focus will be using the assessment information to determine, plan, and implement appropriate placements and programs of intervention. Twenty (20) hours of guided observation/ participation at this level are required (see http://www.nsu.edu/education/pdf/ProfessionalObservationHandbook.pdf).

SPE 613A Assessment and Evaluation-Adapted (3 Credits)
Contact the department for specific course information.

SPE 616V Braille Reading and Writing (3 Credits)
Contact the department for specific course information.

SPE 641 Physical and Occupational Therapy (3 Credits)
This course emphasizes the techniques used in positioning and handling the individual, the adaptive aids and equipment used, and daily living skills. It includes the techniques to coordinate and reinforce physical and occupational therapy on a daily basis.

SPE 641A Physical and Occupational Therapy Procedures-Adapted (3 Credits)
Contact the department for specific course information.

SPE 643 Communication Development for Early Childhood Special Education (3 Credits)
This is a graduate course designed to increase knowledge and develop skills to enhance teachers' skills in identifying and working with young children with communication and speech challenges. Through the use of course readings, available research and case studies, candidates will develop competencies in planning and utilizing effective methods and strategies for working with children who have communication and language disabilities to maximize learning in early childhood and classroom situations. Twenty (20) hours of guided observation/ participation at this level are required (see http://www.nsu.edu/ education/pdf/ProfessionalObserv atio nHandbook.pdf).

SPE 643A Communication Development for Individuals With Severe Disabilites (3 Credits)
This course focuses on finding and/or developing appropriate alternative means of communication for non-verbal persons with severe disabilities with the use of the many new methods and materials including hardware and software that are emerging today.

SPE 662 Guidance and Counseling (3 Credits)
This course is designed to enable students to become knowledgeable of the theories of guidance and of counseling, and to understand the role of the rehabilitation counselor in the design and implementation of a vocational rehabilitation program. It emphasizes transition, supported employment, and centralized service delivery systems.

SPE 663 Case Work and Rehabilitation Counseling (3 Credits)
This course will provide a theoretical and practical introduction to casework management and the rehabilitation process with emphasis on vocational goals, job development, and career exploration. Emphasis will be placed on individual program design, counseling, utilization of resources, and informed choice. The course will explore the federal mandates and the effect they have on the rehabilitation process.

SPE 665 Rehabilitation Counseling: Occupational Information and Placement (3 Credits)
Recording, and reporting experiences of individuals and groups who seek the agency's services. This course includes occupational and labor market information, job development, job seeking skills, placement and follow up activities. Students will execute the role of the rehabilitation counselor to include conduct of print and electronic research, use of databases, and facilitation of placements.

SPE 699 Internship in Teaching Students With Mild Disabilities (3 Credits)
This course is designed to provide a period of supervised teaching during which the candidate takes responsibility for a given group of individuals with mild disabilities for a definite period of time. The candidate will assess students, plan and write instructional interventions deliver instruction, monitor and document student progress, and assume all other classroom duties of the cooperating teacher. All placements will provide candidates with opportunities to interact with individuals from diverse populations.

SPE 699A Internship: Special Education (6 Credits)
See department for more information

SPE 699E Internship in Rehabilitaiton Counseling (6 Credits)
This course is designed to provide culminating clinical experiences in rehabilitation counseling. Students develop and use a coherent, personalized counseling approach that is adequately based in counseling theory and research. They engage in direct interaction by observing counseling.

Urban Affairs (UAF)

UAF 570 Introduction to Urban Studies (3 Credits)
This course is designed to provide insights into the occurrence of urbanization and focuses on the transformations of communities from rural to urban. Basic definitions of urban studies are introduced along with the nature of contemporary urban problems: historical and more recent involvements of governmental jurisdictions in urban problem solving; competitive recommendations for a national urban policy; and character and problems of current urban research activities.

UAF 575 Information Systems Research/Evaluation (3 Credits)
This course is designed as an introductory course in data processing, as related to urban administration. The student will be made aware of the various usages of the computer in administrative decision making, conduction of research studies, and in-program evaluation. Advantages and disadvantages of the computer will be investigated, and different languages and canned programs will be introduced.

UAF 580 Urban Health and Disparities (3 Credits)
This is an interdisciplinary course combining perspectives from Urban Affairs, Public Health, and Sociology. The course will provide students with a framework for investigating urban health and how it is shaped by and impacts demographic forces such as race and class. The disparities in American and global cities which impact public health and the provision of health care will be examined. Urban health disparities on phenomena such as physical, mental, and social health, food security, transportation, and crime will be examined. The role of disenfranchised communities in creating healthy cities will be examined.

UAF 611 Urban Problems in Contemporary America (3 Credits)
This course focuses upon the impact of urban problems in urban centers. It provides critical analyses of the nature of contemporary urban problems including opposing views and definitions of the "Urban Crisis" and attempts to distinguish specific "Urban Problems" from the more general social problems manifested mostly in urban areas. Special examinations will be made of significant research performed in order to analyze major urban issues.

UAF 614 Structural Models for Urban Action (3 Credits)
This course provides practice in studying urban settlements with a view of understanding the relatively stable structures setting limits on community publication. The sociological, political, economic, and other commonly used models of "community power" and other structures are briefly studied, followed by a comparative analysis of surveys in different communities and areas. Emphasis is placed upon the structural design for relevant action by urban policy professionals.

UAF 616 Executive Management and Leadership (3 Credits)
This course explores the appropriate roles of urban executives and administrators in determining and realizing democratic goals and in fostering the values of responsible societies. Consideration will be given to executive managerial objectives, functions, means toward ends, organization and resources in achieving program objectives, the exercise of leadership, decision making, motivation, and management of conflict. Comparisons are drawn among administrative roles at different levels and in varying cultural environments.

UAF 620 Housing and Redevelopment Policy (3 Credits)
This course involves a comparative review of housing legislation, urban renewal, and related community development among selected nations. Policy and program development is analyzed to identify the bases of public support. Particular attention is given to the social, economic, and political forces directed toward the amelioration of urban ills. Urban administrators are viewed as both initiators and implementers of public policy, in addition to being advocates and initiators of new policies and programs.

UAF 690 Urban Policy Analysis/Program Dev (3 Credits)
An overview of urban processes through the utilization of general systems theory and the applied tools of systems analysis is explored. Critical review of major contemporary issues of the city as a system and an evaluation of the potentials of the most significant dimensions of policy making are dealt with. Developing skills in the critical evaluation of applied methodologies and program formulation and assisting in the determination of organizational effectiveness are also major considerations.

UAF 693 Urban Community Field Placement (3 Credits)
Each student in the Urban Affairs program, who has not had or is not presently involved in related work experience, is expected to expend a designated period of time in field placement at a government or private industry or service agency. The purpose is to provide or continue practical experience, to test academic models, to participate in inter-group experiences, and to develop skills related to the day-to-day agency functions in the delivery of human services.

UAF 695 Readings in Urban Affairs (3 Credits)
Contact the department for specific course information.

UAF 696 Special Topics in Urban Affairs (3 Credits)
Contact the department for specific course information.

UAF 697 Urban Research Methods I (3 Credits)
This course focuses on the research design method of data collection and problems of measurement.

UAF 698 Urban Research Methods II (3 Credits)
This course focuses on data reduction, analysis, interpretation, application, and utilization of data.

UAF 699 Thesis/Urban Affairs (6 Credits)
Thesis research is an individual research project and is required of all students for graduation. It is designed to provide students with the opportunity to study empirical or historical social problems and their impact on urban living. The thesis process requires students' developing both a problem statement and a research design, analyzing and summarizing numerical data, and reaching a justifiable conclusion. Policy implications/recommendations are also expected.

UAF 750 Continuing Registration (0 Credits)
Continuous registration is required for all degree-seeking graduate students.

UAF 752 Comprehensive Exam (0 Credits)
This course is required for all students taking the comprehensive examination. Students should register for this course the semester they intend to sit for the comprehensive examination.

Urban Education (UED)

UED 505 Reading in the Content Area (3 Credits)
Skills in this area are designed to impart an understanding of comprehension skills in all content areas, including a repertoire of questioning strategies, summarizing, and retelling skills, and strategies in literal, interpretive, critical, and evaluative comprehension, as well as the ability to foster appreciation of a variety of literature and independent reading.

UED 599 Teaching Internship (9 Credits)
This course is structured as the culminating practical experience for teacher preparation program candidates.

UED 600 Introduction to Administration and Leadership (3 Credits)
This course is intended to provide candidates with a theoretical and practical overview of leadership expectations in school settings. Candidates will have an opportunity to reflect on and practice important contextual ideas, concepts, and skills necessary for effective school principals and other school leaders.

UED 601 Data-Driven Leadership & Technology (3 Credits)
This course provides candidates with a practical overview of the use of quantitative and qualitative data in school settings. Candidates will develop data literacy and analytical skills. Candidates will learn general concepts and techniques of data analysis, generation, and presentation with specific application to educational issues, included but not limited to program assessment and evaluation, resource planning, and allocation, and strategic planning. Prerequisites: UED 600, UED 617, UED 630, UED 637, UED 641, and UED 691.

UED 603 School Leadership Issues and Trends (3 Credits)
This course is intended to provide participants with a theoretical and practical overview of leadership expectations in school settings. Participants will have an opportunity to reflect on and practice important contextual ideas, concepts, and skills necessary for effective school principals and other school leaders.

UED 606 Multicultural Concepts and Perspectives (3 Credits)
This course examines the impact of culture on behavior and provides knowledge that candidates can use to increase effectiveness in counseling and leading individuals from other cultures. Students explore ideas about the development of a worldview and how that view impacts interactions with others. Social justice constructs are woven throughout the course to promote understanding of diversity across cultural groups.

UED 606C Multicultural Counseling (3 Credits)
The Community Counseling Program is committed to developing competent, compassionate, cooperative and committed counselors. This course examines the impact of culture on behavior and how to use that knowledge to increase effectiveness in counseling indiv INCOMPLETE

UED 617 Organization Beh/Multicultural Society (3 Credits)
This course is intended to provide the candidates with an understanding of the structure and dynamics of the school as an organization in a multicultural society. A knowledge base founded in the works of Kolb, Vroom, McClelland, Likert, Boyatzis, Schein, Bennis and other researchers and theorists will serve as a guide to students' understanding the complexity of an organization. Candidates will gain self- understanding by using Kolb's conceptual model of concrete experience, reflective observation, abstract conceptualization, and active experimentation. The candidates will gain insights into their role in the organization through hands-on experiences in the functions of the school as a social organization.

UED 620 Legal & Ethical Issues in Counseling (3 Credits)
This course provides an orientation to ethical issues in the practice of school counseling. Ethical practices are examined through the use of case scenarios, which outline ethical dilemmas commonly experienced by professional school counselors. The course entails a review of court cases, federal and state legislation, school board policies, ethical codes, and related literature.

UED 621C Introduction to Professional Counseling (3 Credits)
This course is intended to give the beginning counselor an understanding of counseling theory and strategies. It is intended to aid the prospective counselor in establishing a view of counseling based on a firm foundation supported by acknowledged theories of counseling. In addition, the student will develop skills to work with families, individuals, and crisis interventions. Candidates will gain an understanding of the counseling theories used in psychodynamic approaches, humanistic, cognitive, and behavioral genres.

UED 622 Counseling Theory and Psychotherapy (3 Credits)
This course introduces, analyzes, and evaluates the application various counseling and psychotherapy theories and models. The following theories will be examined: (a) Psychoanalytic, (b) Adlerian, (c) Existential; (d) Person-Centered (e) Gestalt; (f) Behavior; (g) Cognitive Behavior; (h) Reality (i) Postmodern and (k) Family Systems. Emphasis will be placed on developing effective techniques for conducting individual counseling, conducting interviews, helping clients adjust to change, facilitating clients with self-exploration, selfunderstanding, and self-evaluation. This course is 173 designed to explore the counseling process by examining specific theories and the related research. This course is designed to acquaint candidates with implementation of a counseling relationship in clinical and school settings

UED 623C Counseling Skills and Techniques (3 Credits)
This course focuses on the major techniques used in counseling. Emphasis is placed not only on the techniques but also on the rationale underlying the practice of counseling, theoretical approaches, counseling techniques, and the ethics of counseling.

UED 626 Program Evaluation and Development (3 Credits)
This course prepares candidates for effective leadership roles in urban systems through an understanding of the relationship between needs assessment, program goals, measurable outcomes, and program mission statements. Candidates seeking leadership roles in school divisions, military units, community

UED 630 School and Community Relations (3 Credits)
This course focuses on the relationships between school and the local community, the impact of social systems on educational opportunities for community field experiences, media for interpreting needs of the community, views and achievement of the school.

UED 630C Community and Agency Counseling (3 Credits)
In this course students will study counseling in such settings as mental health, social service, religious, penal institutions, rehabilitation and employment agencies. Emphasis will be on the counseling and consulting skills that prepare counselors to provide effective client assistance and to work collaboratively in the community.

UED 632 Grp Counseling and Human Relationships (3 Credits)
See department for more information

UED 637 Curriculum Development and Technology (3 Credits)
This course analyzes the historical, sociopolitical, economic, and cultural dimensions of curriculum development as foundational pieces for state-mandated guidelines in the context of an ever evolving technological society that espouses multimedia platform production orientation. Prerequisites: UED 600 and UED 630

UED 638 Classroom Management for School Counselors (3 Credits)
This course will help school counselors understand education in America's public schools and the role of the school counselor. Candidates will acquire knowledge of the principles of classroom teaching and management. They will learn ways to create a positive, supportive, and respectful learning environment, ways to present interesting and meaningful classroom guidance lessons, and effectively address a range of challenges in the pre K - 12 classroom.

UED 641 Supervision/Evaluation of Instruction (3 Credits)
This course is intended to give the participant an understanding of leadership skills as applied to the supervision process.a Students will gain an insight into motivational theory, organizational theory, clinical supervision, and the teachera evaluation process. Works of Daniel Griffith, Jacob Getzekm, Eagan Guba, and Luvern L. Cunningham will be used for foundation knowledge. Students will identify personal leadership styles and their implications for supervision.

UED 644C Addiction Counseling (3 Credits)
This course addresses etiology and treatment of addictive behaviors (e.g. substance abuse, gambling, etc). Theories linked with addiction to biological, psychological, and other factors will be evaluated critically with an emphasis on developing effectiv

UED 645 Evaluation and Instruction (3 Credits)
Contact the department for specific course information.

UED 645C Testing and Assessment in Counseling (3 Credits)
In this course candidates will examine individual and group approaches to formal and informal client testing and assessment techniques. The course includes an examination of the various assessments, use of collaborative information, clarification of assessment concepts, test selection for various populations, test administration, results interpretation, and ethical and legal issues relative to assessment.

UED 670 School Law (3 Credits)
This course is intended to provide participants with an overview of school law. Participants will learn terminology of federal and state court systems and their implications for public schools. The course will cover major legal issues affecting education and Virginia School laws. Participants will be expected to develop skills using legal resources and to have a working knowledge of current laws affecting schools.

UED 671 School Finance (3 Credits)
Current practices and techniques for making efficient and effective decisions concerning financial resource management in public schools are analyzed and evaluated. Attention will be given to state aid formulas and current practices in accounting systems as applicable to public schools.

UED 681 Personnel Management/Staff Development (3 Credits)
Personnel management is that aspect of school administration that is concerned with the effective supervision of the school staff. This course examines the concepts and strategies that make people satisfied and productive whether they are professional or hourly rate employees. In addition, the participant will gain experience in dealing with conflicts and personal problems.

UED 684 Curr/Instructionalaprocedures: Math (3 Credits)
Study of theories, strategies for effective instruction, and contemporary assessment practices that support mathematics learning in grades 6-12. Special emphasis on research methods in mathematics education and an independent research project required.

UED 686 Curr/Instructional Procedures: Arts (3 Credits)
Study of theories, strategies for effective instruction, and contemporary assessment practices that support art learning in grades 6-12. Special emphasis on research methods in art education and an independent research project required.

UED 687 Curr/Instructional Procedures: English (3 Credits)
Study of materials and methods for teaching, integrating, and assessing English language, literature, grammar, and composition with attention to current research and theories that inform best practices in language arts instruction.

UED 690 Curr/Instructional Procedures: History (3 Credits)
Emphasizes and reinforces the modeling and making of the best curriculum and instructional practices by future secondary social studies teachers. Reinforces the adherence of secondary social studies teachers to both the content standards of educational accrediting bodies and those put forth by the state of Virginia. Writing, speaking, and critical thinking competencies are reinforced and applied.aPrerequisites: UED 682 and completion of history deficiencies per the certificate of preliminary endorsement.

UED 691 Research/Writing (3 Credits)
This course is designed to assist graduate students in education and the behavioral sciences develop skills associated with the systematic investigating, collecting, classifying, interpreting, and reporting of data.a It will familiarize students with scholarly research, terminology, and methodology for evaluating and writing a research proposal.

UED 692 Research Methods (3 Credits)
This course is designed to assist graduate candidates in education and behavioral sciences to develop skills associated with the systematic investigating, collecting, classifying, interpreting, and reporting of data. Candidates will become familiar with scholarly research, terminology and methodology for evaluating and writing a research proposal.

UED 692C Research Methods (3 Credits)
This course is designed to assist graduate candidates in education and behavioral sciences to develop skills associated with the systematic investigating, collecting, classifying, interpreting, and reporting of data. Candidates will become familiar with scholarly research, terminology, and methodology for evaluating and writing a research proposal.

UED 710C Practicum I (3 Credits)
The course is designed to provide candidates supervised work in the counseling profession. During this practicum experience the candidates will apply knowledge and skills learned throughout the program as they work with clients in a supervised field place

UED 720 Crisis and Trauma Intervention (3 Credits)
This course explores the conceptual and practicalideas of the impact of crises, disasters, andother trauma-causing events while gaining a basicunderstanding of emergency management systems andagencies across the community. Principles andstrategies of crisis intervention with models forpre- and post-crisis planning are addressed aswell as assessment methods, crisis treatment, andresources used in various traumatic crises andsystemic trauma situations.

UED 720C Crisis & Trauma Intervention (3 Credits)
This course explores the conceptual and practical impact of crises, disasters, and other trauma-causing events while gaining a basic understanding of emergency management systems in agencies across the community. Principles and strategies of crisis intervention with models for pre-and post-crisis planning are addressed as well as assessment methods, crisis treatment, and resources used in various traumatic crises and systemic trauma situations

UED 791 Applied Research I (3 Credits)
This course is a two-semester program that will provide the participant the opportunity to explore an approved area of research and scholarship. The course allows the participant to be involved in quantitative and/or qualitative research. Students will be expected to develop a document describing and summarizing the results of the research done in the study.

UED 792 Applied Research II (3 Credits)
This course is a two-semester program that will provide the participant the opportunity to explore an approved area of research and scholarship. The course allows the participant to be involved in quantitative and/or qualitative research. Students will be expected to develop a document describing and summarizing the results of the research done in the study.

UED 793 Internship (3 Credits)
The internship is structured as the culminating practical experience for the candidates. This experience will vary in depth and range in the following areas: (a) policy and professional ethics, (b) program planning, (c) small group facilitation, (d) individual counseling, (e) lifestyle / career planning, (f) appraisals and assessment, (g) multicultural relevancy, (h) student consultation, and (i) community involvement and service-learning.

UED 793C Internship I (3 Credits)
The counseling Internship is designed to meet the CACREP accreditation standards in a seminar-style class with presentation and discussion of clinical cases, with regard to multiculturalism, ethical principles, and counseling profession identity through didactic instruction. The internship course provides a systematic sequence of professional experiences working in a field placement under weekly and group supervision of a certified counseling professional. The program requires candidates to complete a clinically supervised internship of 300 clock hours which is to be fulfilled in an academic term to include a minimum of 120 hours per semester of direct hours with clients, of which it is preferred that a fourth of these hours be in group work. The remaining 180 hours per semester consists of indirect hours accrued performing other counseling-related duties required to assess and treat mental health issues as categorized in the standard diagnostic nomenclature of Virginia and approved by the internship supervisor and course instructor.

UED 794 Internship II (3 Credits)
This course serves as an extension of UED 793 (see UED 793)

UED 794C Internship II (3 Credits)
Counseling Internship is designed to meet the CACREP accreditation standards and is based on seminar-style class discussion, the presentation and discussion of cases, clinical group supervision principles, and didactic instruction. The program requires students to complete a clinically supervised internship of 300 clock hours which is to be fulfilled in an academic term.a During this continued internship experience, the candidate will apply knowledge and skills learned throughout the program in working with actual clients in a supervised field placement.a The candidate is required to spend a minimum of 120 hours per semester of direct counseling service with clients, of which it is preferred that one-fourth of these hours be in group work (i.e., leading or co-leading a counseling group, conducting a psycho-educational group experience such as a stress management or substance abuse awareness group). The remaining 180 hours per semester consists of indirect hours accrued performing other counseling-related duties. Candidates receive 1 hour of individual supervision weekly and receive 1-2 hours of group supervision during the academic term. The experiences must be approved by the Internship Supervisor and Professor and is required to assess and treat mental health issues as categorized in the standard diagnostic nomenclature of Virginia.

INDEX

A

Academic Calendar 4
Academic Information 17
Academic Policies 16
Administrative Offices 21
Admissions 12

B

Biology (BIO) 110

C

Chemistry (CHM) 110
Clinical Psychology, Ph.D. 51
College of Liberal Arts 46
College of Science, Engineering and Technology 69
Commencement 16
Communications (COM) 112
Community Psychology (CPS) 112
Computer Science 70
Computer Science (CSC) 113
Computer Science, M.S. 74
Counseling Education (COED) 111
Course Descriptions 110
Criminal Justice (CJS) 115
Criminal Justice, M.A. 57
CyberPsychology Certificate 55
CyberPsychology, M.S. 53
Cybersecurity (CYS) 116
Cybersecurity, M.S. 80

D

Division of Finance and Business 32
Division of Operations and Institutional Effectiveness 34
Division of Research and Economic Development 33
Division of Student Affairs 23
Division of University Advancement 33

E

Early Childhood, Elementary and Special Education 36
Early Childhood Special Education (ECS) 117
Education (EDU) 117
Electronics Engineering (EEN) 117
Electronics Engineering, M.S. 86
Elementary Education (EED) 119
Engineering 85
English (ENG) 120

F

Fine Arts (FIA) 120

G

Graduate 3
Graduate Education 10
Graduate Fellowships and Achievement Assistantships 13

H

Health Informatics 122
Health Informatics, M.H.I. 99
Healthcare Administration (HCA) 121
Healthcare Administration, M.H.A. 98
History (HIS) 122

L

Lyman Beecher Brooks Library 20

M

Mass Comm/Journalism (MCM) 122
Materials Science 90
Materials Science and Engineering, Ph.D. 91
Materials Science Engineering (MSE) 123
Materials Science, M.S. 94
Materials Science (MATS) 123
Mathematics (MTH) 125
Media and Communication, M.A. 48
Media and Communications 47
Music, M.M. 62
Music (MUS) 126

N

Nursing and Allied Health 97

O

Office of the Provost 21
Optical Engineering (OEN) 128

P

Physics (PHY) 129
Political Science (POS) 129
Pre-Elementary Education, M.A. - Online 37
Pre-Elementary Education, M.A.- Licensure in Early Childhood Special Education - Online 37
Psychology 50

Psychology (PSY) 129

S

School of Education 35
School of Graduate Studies and Research 11
School of Social Work 100
Secondary Education and School Leadership 40
Social Work, M.S.W. 106
Social Work, Ph.D. 101
Social Work (SWK) 130
Sociology 56
Special Education, M.A. 37
Special Education (SPE) 133
Subject Area Concentration, M.A. (MASAC) 41

T

Teaching, M.A. - Elementary Education - PreK-6 - Online 39
Teaching, M.A. - Secondary Education 41
Tuition, Fees, and Financial Information 14

U

Urban Affairs, M.A. 59
Urban Affairs (UAF) 135
Urban Education, M.A. 43
Urban Education (UED) 136

V

Visual and Performing Arts 61
Visual Studies, M.F.A. 66

W

Welcome to Norfolk State University 7