

FINANCIAL ASSISTANCE

Financial assistance for graduate work can include standard federal and state financial aid. There will be a limited number of teaching assistantships, research assistantships, and laboratory assistantships awarded each year.

Renewals of assistantship awards are not automatic and are subject to annual review and available funding. Normally, the length of support is no longer than two academic years.

Courses

Core Courses

CSC 530	Data Communications
CSC 564	Operating Systems
CSC 625	Analysis of Algorithms
CSC 668	Advanced Computer Architecture

Selected Elective Courses

CSC 521	Database Principles and Design
CSC 535	Computer Security I
CSC 555	Management of Information Security
CSC 566	Advanced Computer Topics I
CSC 567	Advanced Computer Topics II
CSC 570	Artificial Intelligence
CSC 580	Computer Graphics
CSC 630	Computer Networks
CSC 635	Computer Security II
CSC 650	Cryptography
CSC 691	Graduate Independent Study I
CSC 720	Wireless Sensor Networks
CSC 730	Advanced Topics in Networking
CSC 745	Network Defense
CSC 760	Secure Software Development
CSC 765	Advanced Topics in Information Assurance
CSC 781	Advanced Graduate Computer Topics I
CSC 782	Advanced Graduate Computer Topics II
CSC 791	Graduate Independent Study II

Thesis or Project Courses

CSC 795	Master's Project
CSC 798	Master's Thesis I
CSC 799	Master's Thesis II

Other Selected Courses

CSC 526**	Structured Programming
CSC 701**	Continuing Registration
CSC 702**	Practicum (1 credit)

**Does not count toward degree

Computer Science Faculty

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

Dr. Cyntrica Eaton, Associate Professor
• Software testing, web quality assurance, and configuration fault analysis.

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

Dr. George Harrison, Professor
• Scientific and algorithmic visualization and evolutionary programming.

Dr. Cheryl Hinds, Assistant Professor
• Wireless sensor network security, usability security, mobile forensics, and computer science education.

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

Dr. Yen-Hung (Frank) Hu, Associate Professor
• Internet traffic, security protocol, network security, trustworthy computing, and game programming.

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

Dr. Mona Rizvi, Associate Professor
• Wireless networking, software engineering, computer science education, and multimedia networking.

Dr. Claude Turner, Associate Professor
• Cybersecurity, network security, data privacy, digital forensics, computer science and cybersecurity education, network visualization, and signal processing.

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

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

Dr. Thorna Humphries
Department of Computer Science
Norfolk State University
700 Park Avenue
Norfolk, VA 23504

Telephone: (757) 823-8318
FAX: (757) 823-9229
thumphries@nsu.edu
www.cs.nsu.edu



An Equal Opportunity Employer

Created by the Office of Communications and Marketing: (757) 823-8373

NORFOLK STATE UNIVERSITY COMPUTER SCIENCE GRADUATE PROGRAM



PROGRAM INFORMATION

Master of Science (M.S.) Degree Program in the Computer Science Department at Norfolk State University provides quality graduate education to equip students, especially those from the underrepresented sector of the population, with analytic skills, sound research experiences and development training in several areas of computer science.

There are three choices of study:

- General Study in Computer Science
- Emphasis in Information Assurance
- Emphasis in Communication Networks

The Master of Science 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 6 graduate credits may be transferred from other graduate schools.



Research Laboratories

- Data Analysis Lab
- Digital Forensics Lab
- Information Security Lab
- Robotics and Mobile Apps Lab
- Information Assurance – Research, Education, and Development Institute

EXPECTED LEARNING OUTCOMES

Students graduating from the Master of Science Program in Computer Science will be able to demonstrate:

1. Proficiency in applying computing fundamentals in several application areas.
2. Mastery of a significant body of advanced topics in computing, communication networks, or information assurance.
3. The ability to conduct independent research and understand the body of literature in one or more advanced topics.

ADMISSIONS

Please visit www.nsu.edu/sgr/forms to submit an online application. Mail your supporting documents to:



The Office of Graduate Studies, Suite 602
700 Park Avenue
Norfolk, VA 23504

Telephone: (757) 823-8015; Fax: (757) 823-2849

The Graduate Studies Office will review the applicant's file and forward information to the Computer Science Graduate Program. The Computer Science Graduate Admissions Committee will make the final selection for admission and assistantship and fellowship awards.



Admission Standards

Academic Preparation: Undergraduate degree from a regionally accredited 4-year college or university. Generally, the overall major GPA should be at least 3.0/4.0.

English Proficiency: The minimum TOEFL (Test of English as a Foreign Language) score is 80. If a foreign student has completed at least one year of full-time study at a college or university in an English speaking country, the TOEFL will be waived.

GRE: GRE scores are required on all applications for assistantships and fellowships. GRE scores should be sent to the Office of Graduate Studies. Generally, the minimum GRE score required is 530 (155) on Verbal and 700 (155) on Quantitative. The Computer Science Graduate Admissions Committee may waive GRE requirements if an applicant majored in computer science or computer engineering and had a GPA of 3.2/4.0 or higher in computer courses.

Stipend up to \$19,500 per calendar year