

COLLEGE OF SCIENCE, ENGINEERING, AND TECHNOLOGY

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Website: <http://www.nsu.edu/cset/engineering/index> (<http://www.nsu.edu/cset/engineering/index/>)

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
- 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 health-care 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.

Accreditation/Approvals

The following programs, sponsored by the College of Science, Engineering, and Technology, have been approved by the State Council of Higher Education for Virginia (SCHEV). They have also been accredited and/or approved by appropriate national accrediting agencies.

1. **Computer Science**
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.
2. **Chemistry**
Chemistry-American Chemical Society (ACS)
1155 Sixteenth Street, N.W.
Washington, DC 20036
(202) 872-4589
<http://www.acs.org/cpt> (<http://www.acs.org/cpt/>)
3. **Engineering**
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 Electronics Engineering Program Criteria.
4. **Food Science and Nutrition Concentration**
Accreditation Council for Education in Nutrition and Dietetics (ACEND)
120 S. Riverside Plaza, Suite 2190
Chicago, IL 60606-6995
(800) 577-1600
<http://www.eatrightpro.org>
5. **Medical Technology**
National Accrediting Agency for Clinical Laboratory Science (NAACLS)
5600 N. River Road, Suite 720
Rosemont, Illinois 60018-5119
(773)714-8880
www.naacls.org (<https://www.naacls.org/about.aspx>)
6. **Nursing B.S.**
Accreditation Commission for Education in Nursing (ACEN)
3390 Peachtree Road, NE, Suite 850
Atlanta, GA 30326
T: (404) 975-5000
Fax: (404) 975-5020

and

The Virginia Board of Nursing Perimeter Center
9960 Maryland Drive, Suite 300
Henrico, VA 23233-1463
T: (804) 367-4515
www.acenursing.org (<http://www.acenursing.org>)
7. **Technology**
The Association of Technology, Management, and Applied Engineering (ATMAE)
275 N. York Street, Suite 401
Elmhurst, Illinois 60126
630) 433-4514
<http://www.atmae.org>

Organization of the College

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 doctorate degree levels. Students admitted to the College of Science, Engineering, and Technology may choose from fields of study in programs terminating at the associate, baccalaureate, master, or doctorate degree levels. Undergraduate programs leading to the Bachelor of Science degree generally require a minimum of 120 semester hours of credit.

Admission Requirements

Admission to Norfolk State University does not imply automatic admission to the following programs:

1. DNIMAS
2. Engineering
3. Nursing

Science, Engineering and Technology Departments

- Army Science (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/army-science/>)
 - Bachelor of Arts in History - Military Science (ARMY) Concentration (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/army-science/history-ba-army/>)
- Biology (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/biology/>)
 - Bachelor of Science in Biology (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/biology/biology-bs/>)
 - Bachelor of Science in Biology - Pre-Professional Concentration (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/biology/biology-bs-pre-professional/>)
 - Bachelor of Science in Biology - Teacher Licensure Endorsement (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/biology/biology-bs-teacher-licensure-endorsement/>)
 - Minor in Biology (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/biology/biology-minor/>)
- Chemistry (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/chemistry/>)
 - Bachelor of Science in Chemistry (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/chemistry/chemistry-bs/>)
 - Bachelor of Science in Chemistry - Pre-Medicine Concentration (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/chemistry/chemistry-bs-pre-medicine/>)
 - Bachelor of Science in Chemistry - Secondary Education Concentration (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/chemistry/chemistry-bs-secondary-education/>)
- Bachelor of Science in Chemistry and Master of Science in Materials Science - Five-Year Dual Degree (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/chemistry/chemistry-bs-materials-science-ms-five-year-dual-degree/>)
- Minor in Chemistry (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/chemistry/chemistry-minor/>)
- Computer Science (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/computer-science/>)
 - Bachelor of Science in Computer Science - Standard Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/computer-science/computer-science-bs-standard-track/>)
 - Bachelor of Science in Computer Science - Computer Engineering Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/computer-science/computer-science-bs-track-ce/>)
 - Bachelor of Science in Computer Science - IA Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/computer-science/computer-science-bs-track-ia/>)
 - Bachelor of Science in Computer Science - Cybersecurity Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/computer-science/computer-science-bs-track-cyb/>)
 - Bachelor of Science in Computer Science - Software Engineering Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/computer-science/computer-science-bs-track-is/>)
- Bachelor of Science in Information Technology (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/computer-science/information-technology-bs/>)
- Minor in Game Design and Development (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/computer-science/computer-science-minor-game-design-track/>)
- Minor in Computer Science (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/computer-science/computer-science-minor-standard-track/>)
- Engineering (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/engineering/>)
 - Bachelor of Science Electrical and Electronics Engineering (General) (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/engineering/electrical-electronics-bs-general/>)
 - Bachelor of Science in Electrical and Electronics Engineering (Track) (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/engineering/electrical-electronics-bs-track/>)
 - Bachelor of Science in Optical Engineering (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/engineering/optical-bs/>)
 - Minor in Biomedical Engineering (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/engineering/biomedical-minor/>)
 - Minor in Electrical and Electronics Engineering (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/engineering/electrical-electronics-minor/>)
 - Minor in Optical Engineering (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/engineering/optical-minor/>)

- Mathematics (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/mathematics/>)
 - Bachelor of Science in Mathematics - Applied Mathematics Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/mathematics/bs-applied-mathematics/>)
 - Dual Degree in Mathematics (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/mathematics/dual-degree-mathematics/>)
 - Minor in Mathematics (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/mathematics/minor-mathematics/>)
 - Mathematics with Teacher Certification Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/mathematics/teacher-certification-mathematics/>)
- Naval Science (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/naval-science/>)
 - Naval Reserve Officers Training Corp (NROTC) (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/naval-science/nrotc/>)
- Nursing and Allied Health (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/nursing-allied-health/>)
 - Bachelor of Science in Health Services Management - Food Science & Nutrition Concentration (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/nursing-allied-health/health-services-management-fsn-concentration/>)
 - Bachelor of Science in Health Services Management - Online (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/nursing-allied-health/health-services-management-bs/>)
 - Bachelor of Science in Nursing - Online (RN to BSN) Completion Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/nursing-allied-health/nursing-upper-level-online/>)
 - Bachelor of Science in Nursing - Traditional (Pre-licensure) Baccalaureate Completion Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/nursing-allied-health/nursing-traditional/>)
 - Certificate in Health Services Management (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/nursing-allied-health/health-services-management-certificate/>)
- Physics (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/physics/>)
 - Bachelor of Science in Physics (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/physics/physics-bs/>)
 - Bachelor of Science in Physics and Master of Science in Materials Science (Five-Year Dual Degree) (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/physics/physics-bs-materials-science-ms-five-year-dual-degree/>)
 - Minor in Astronomy (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/physics/astronomy-minor/>)
 - Minor in Physics (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/physics/physics-minor/>)
 - Teacher Certification in Physics (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/physics/physics-teacher-certification/>)
- Special Academic Programs (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/special-academic-programs/>)
 - Bachelor of Science in Biology - (DNIMAS) Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/special-academic-programs/biology-bs-dnimas/>)
 - Bachelor of Science in Biology - Pre-Professional (DNIMAS) Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/special-academic-programs/biology-pre-professional-bs-dnimas/>)
 - Bachelor of Science in Chemistry - (DNIMAS) Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/special-academic-programs/chemistry-bs-dnimas/>)
 - Bachelor of Science in Chemistry - Pre-Medicine (DNIMAS) Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/special-academic-programs/chemistry-bs-pre-medicine-dnimas/>)
 - Bachelor of Science in Computer Science - (DNIMAS) Computer Engineering Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/special-academic-programs/computer-science-bs-dnimas-engineering-track/>)
 - Bachelor of Science in Computer Science - (DNIMAS) Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/special-academic-programs/computer-science-bs-dnimas-track/>)
 - Bachelor of Science in Computer Science - CyberSecurity Track (DNIMAS) (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/special-academic-programs/computer-science-bs-cybersecurity-track-dnimas/>)
 - Bachelor of Science in Computer Science - Software Engineering Track (DNIMAS) (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/special-academic-programs/computer-science-bs-dnimas-software-engineering-track/>)
 - Bachelor of Science in Electrical and Electronics Engineering - (DNIMAS) Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/special-academic-programs/electrical-electronics-engineering-bs-dnimas/>)
 - Bachelor of Science in Mathematics - Applied Mathematics - (DNIMAS) Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/special-academic-programs/applied-mathematics-bs-dnimas/>)
 - Bachelor of Science in Optical Engineering - (DNIMAS) Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/special-academic-programs/optical-engineering-bs-dnimas/>)
 - Bachelor of Science in Physics - (DNIMAS) Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/special-academic-programs/physics-bs-dnimas/>)
 - Technology (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/technology/>)
 - Associate of Science in Architectural Drafting (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/technology/architectural-drafting-as/>)
 - Bachelor of Science in Computer Engineering Technology (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/technology/computer-bs/>)
 - Bachelor of Science in Construction Management Engineering Technology (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/technology/building-construction-bs/>)

- Bachelor of Science in Electronics Engineering Technology
(<https://catalog.nsu.edu/undergraduate/science-engineering-technology/technology/electronic-bs/>)