

COLLEGE OF SCIENCE, ENGINEERING, AND TECHNOLOGY

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

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 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 Computing Accreditation Commission of ABET. <http://www.abet.org>

2. 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 Engineering Accreditation Commission of ABET
415 N. Charles St.
Baltimore, MD 21210
(410)347-7700
<http://www.abet.org>

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)
3343 Peachtree Road, NE, Suite 850
Atlanta, GA 30326
(404) 975-5000
Fax: (404) 975-5020

and

the Virginia Board of Nursing, Perimeter Center
9960 Maryland Drive, Suite 300
Henrico, VA 23233-1463
(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. Medical Technology
4. Nursing

Science, Engineering and Technology Departments

- Army Science (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/army-science/>)
 - History, Bachelor of Arts - 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/>)
 - Biology Minor (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/biology/biology-minor/>)
 - Biology, Bachelor of Science (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/biology/biology-bs/>)
 - Biology, Bachelor of Science - Pre-Professional Concentration (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/biology/biology-bs-pre-professional/>)
 - Biology, Bachelor of Science - Teacher Licensure Endorsement (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/biology/biology-bs-teacher-licensure-endorsement/>)
 - Biotechnology Certificate (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/biology/biotechnology-certificate/>)
 - National Security Certificate (NSC) Program (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/biology/nsc/>)
- Chemistry (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/chemistry/>)
 - Chemistry Minor (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/chemistry/chemistry-minor/>)
 - Chemistry, Bachelor of Science (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/chemistry/chemistry-bs/>)
 - Chemistry, Bachelor of Science - Pre-Medicine Concentration (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/chemistry/chemistry-bs-pre-medicine/>)
 - Chemistry, Bachelor of Science - Secondary Education Concentration (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/chemistry/chemistry-bs-secondary-education/>)
 - Chemistry, Bachelor of Science and Materials Science, Master of Science - Five-Year Dual Degree (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/chemistry/chemistry-bs-materials-science-ms-five-year-dual-degree/>)
- Computer Science (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/computer-science/>)
 - Computer Science, Bachelor of Science - Standard Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/computer-science/computer-science-bs-standard-track/>)
 - Computer Science, Bachelor of Science - Track CE (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/computer-science/computer-science-bs-track-ce/>)
 - Computer Science, Bachelor of Science - Track IA (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/computer-science/computer-science-bs-track-ia/>)
 - Computer Science, Bachelor of Science - Track IS (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/computer-science/computer-science-bs-track-is/>)
 - Computer Science, Minor - Standard Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/computer-science/computer-science-minor-standard-track/>)
- Information Technology, Bachelor of Science (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/computer-science/information-technology-bs/>)
- Engineering (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/engineering/>)
 - Biomedical Engineering, Minor (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/engineering/biomedical-minor/>)
 - Electrical and Electronics Engineering, Bachelor of Science (General) (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/engineering/electrical-electronics-bs-general/>)
 - Electrical and Electronics Engineering, Bachelor of Science (Track) (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/engineering/electrical-electronics-bs-track/>)
 - Electrical and Electronics Engineering, Minor (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/engineering/electrical-electronics-minor/>)
 - Game Design and Development, Minor (for Non-EEE Majors) (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/engineering/game-design-development-minor/>)
 - Optical Engineering, Bachelor of Science (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/engineering/optical-bs/>)
 - Optical Engineering, Bachelor of Science and Master of Science - Five-Year Dual Degree (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/engineering/optical-bs-ms-five-year-dual-degree/>)
 - Optical Engineering, Minor (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/engineering/optical-minor/>)
- Mathematics (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/mathematics/>)

- Applied Mathematics, Bachelor of Science (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/mathematics/bs-applied-mathematics/>)
- Mathematics, Dual Degree (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/mathematics/dual-degree-mathematics/>)
- Mathematics, Minor (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/mathematics/minor-mathematics/>)
- Mathematics, Teacher Certification (<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/>)
 - Health Services Management, Bachelor of Science (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/nursing-allied-health/health-services-management-bs/>)
 - Health Services Management, Bachelor of Science - Online Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/nursing-allied-health/health-services-management-bs-online/>)
 - Health Services Management, Certificate (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/nursing-allied-health/health-services-management-certificate/>)
 - Nursing, Online (RN to BSN) Completion Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/nursing-allied-health/nursing-upper-level-online/>)
 - Nursing, Traditional (Pre-licensure) Baccalaureate Nursing Completion Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/nursing-allied-health/nursing-traditional/>)
- Physics (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/physics/>)
 - Astronomy, Minor (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/physics/astronomy-minor/>)
 - Physics, Bachelor of Science (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/physics/physics-bs/>)
 - Physics, Bachelor of Science and Materials Science, Master of Science - Five-Year Dual Degree (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/physics/physics-bs-materials-science-ms-five-year-dual-degree/>)
 - Physics, Minor (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/physics/physics-minor/>)
 - Physics, Teacher Certification (<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/>)
 - Applied Mathematics, Bachelor of Science (DNIMAS) Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/special-academic-programs/applied-mathematics-bs-dnimas/>)
 - Biology - Pre-Professional, Bachelor of Science (DNIMAS) Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/special-academic-programs/biology-pre-professional-bs-dnimas/>)
 - Biology, Bachelor of Science (DNIMAS) Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/special-academic-programs/biology-bs-dnimas/>)
 - Chemistry, Bachelor of Science (DNIMAS) Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/special-academic-programs/chemistry-bs-dnimas/>)
 - Chemistry, Bachelor of Science - Pre-Medicine (DNIMAS) Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/special-academic-programs/chemistry-bs-pre-medicine-dnimas/>)
 - Computer Science, Bachelor of Science (DNIMAS) Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/special-academic-programs/computer-science-bs-dnimas-track/>)
 - Computer Science, Bachelor of Science - (DNIMAS) Computer Engineering Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/special-academic-programs/computer-science-bs-dnimas-engineering-track/>)
 - Computer Science, Bachelor of Science - CyberSecurity Track (DNIMAS) (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/special-academic-programs/computer-science-bs-cybersecurity-track-dnimas/>)
 - Electrical and Electronics Engineering, Bachelor of Science (DNIMAS) Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/special-academic-programs/electrical-electronics-engineering-bs-dnimas/>)
 - Optical Engineering, Bachelor of Science (DNIMAS) Track (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/special-academic-programs/optical-engineering-bs-dnimas/>)
 - Physics, Bachelor of Science (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/>)
 - Architectural Drafting, Associate of Science (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/technology/architectural-drafting-as/>)
 - Computer Engineering Technology, Bachelor of Science (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/computer-bs/>)
 - Construction Management Engineering Technology, Bachelor of Science (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/technology/building-construction-bs/>)
 - Electronic Engineering Technology, Bachelor of Science (<https://catalog.nsu.edu/undergraduate/science-engineering-technology/technology/electronic-bs/>)

Dr. Aliecia McClain