

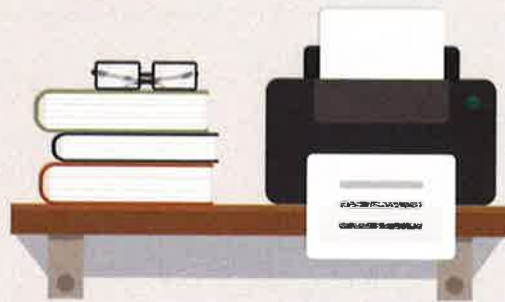


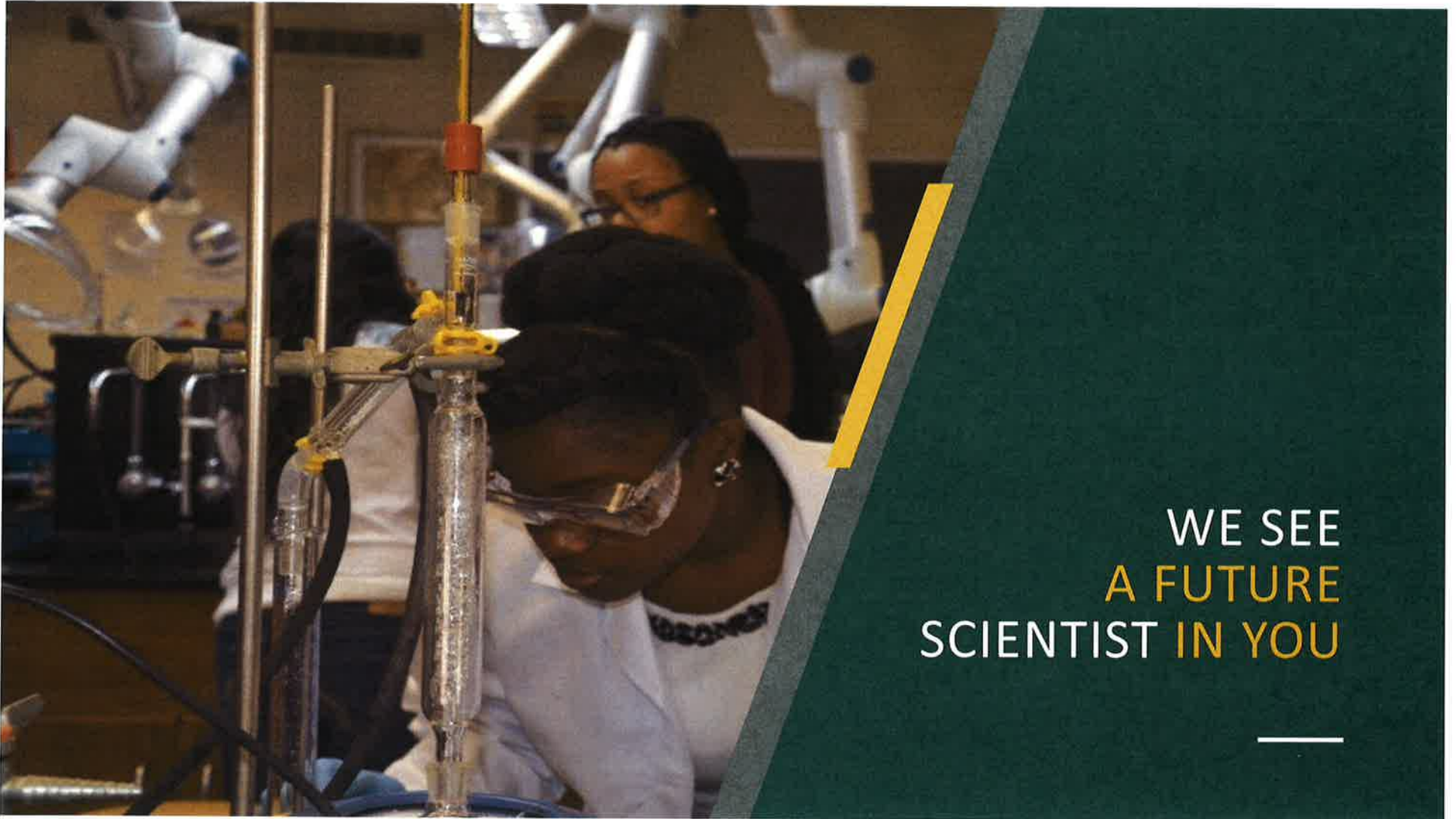
COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY

DEAN



Dr. Michael O. Keeve





WE SEE
A FUTURE
SCIENTIST IN YOU

SOME QUICK FACTS

1900

STUDENTS

Comprises over 30% of the University's total student enrollment

8

DEPARTMENTS

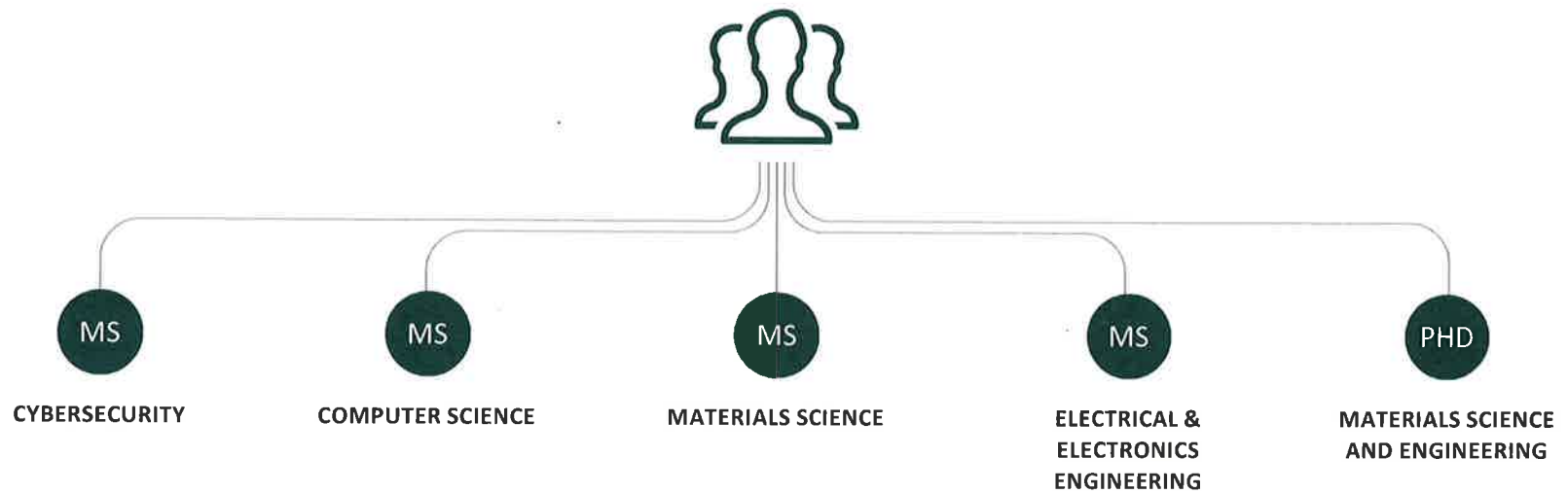
Biology, Chemistry, Computer Science, Engineering, Mathematics, Nursing & Allied Health, Physics, Technology

2

ROTC PROGRAMS

Home to the Army and Navy Reserve Officer Training Corps

OUR GRADUATE PROGRAMS



MEET OUR CHAIRS



DR. MALIKAH ABDULLAH
Biology



DR. SUELY BLACK
Chemistry



DR. CLAUDE TURNER
Computer Science



DR. PATRICIA MEAD
Engineering



DR. ANNE FERNANDO
Mathematics



DR. MILDRED FULLER
Nursing & Allied Health



MR. MILTON FERGUSON
Physics



DR. JEENSON SHEEN
Technology



MEET OUR DIRECTORS

LT. KRISTY LITTS
Navy ROTC



LTC LISA ABEL
Army ROTC



DR. ALICIA MCCLAIN
DNIMAS Honors Program



DR. BAHOURA
Center for Materials
Research



DR. AURELIA WILLIAMS
Cybersecurity Complex





MEET OUR DEPARTMENTS



OUR BIOLOGY DEPARTMENT

The NSU Biology Department is one of the largest at Norfolk State. Our dedicated Teacher/Scholars strive to develop each student's ability to discover, evaluate and communicate knowledge, making informed ethical decisions while nurturing an understanding of interdependencies with the environment.



PROGRAMS
B.S. in BIOLOGY



STUDENT ACTIVITIES
Minority Association of Prehealth Students (MAPS), Strategies for Ecology Education, Diversity and Sustainability (SEEDS)



SOCIETIES
Biology Society, The Beta Kappa Chi Scientific Honor Society, Genetics Society, American Society for Biochemistry and Molecular Biology



OUR CHEMISTRY DEPARTMENT

The Department of Chemistry provides the knowledge, skills, and training necessary for chemistry students seeking the B.S. degree with a major in Chemistry and supports undergraduate programs in other disciplines. The Chemistry Department also provides innovative research opportunities for students wishing to explore the fascinating world of chemistry.



PROGRAMS

B.S. in CHEMISTRY



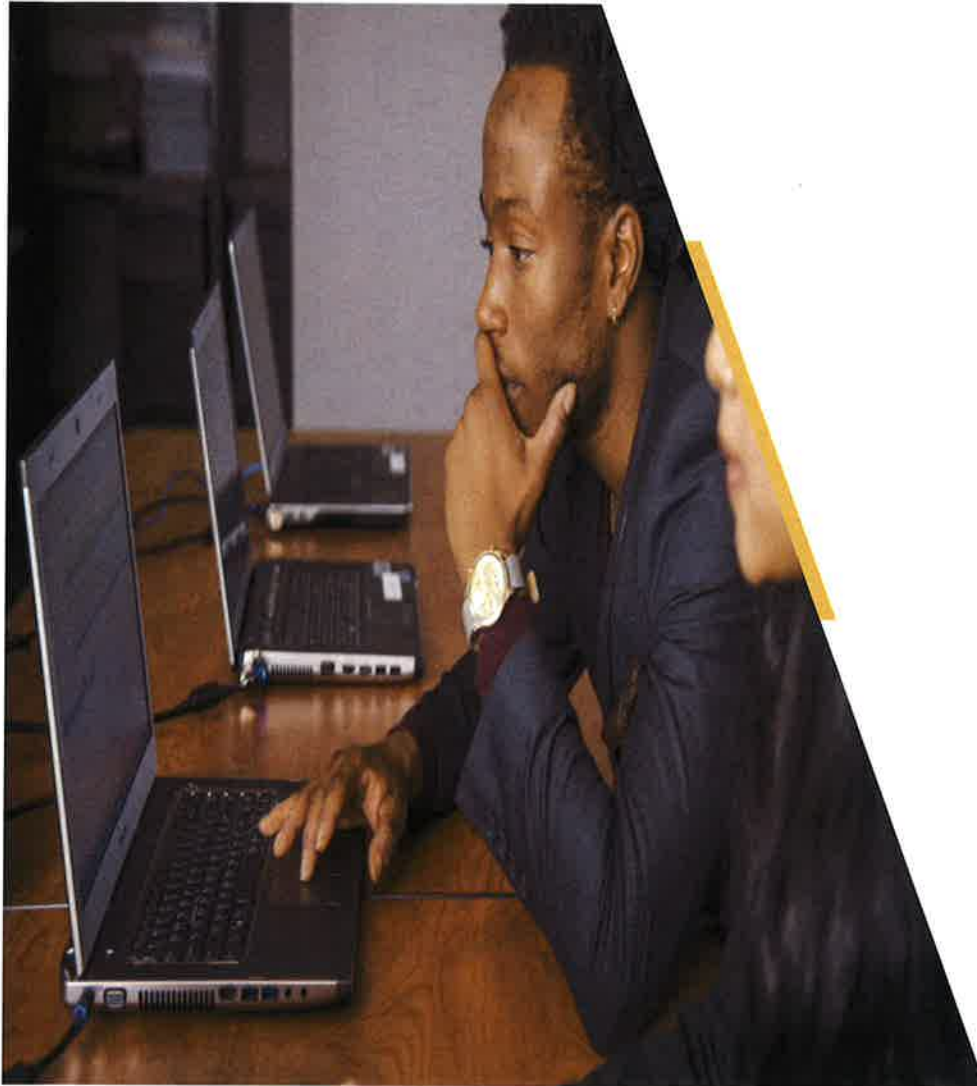
GRADUATE SCHOOL STUDENT PLACEMENT

Neuroscience Ph.D. candidate at Virginia Commonwealth University, PharmD Program at Hampton University, Biochemistry Ph.D. Candidate at Georgia Institute of Technology,



PROFESSIONAL & MEDICAL SCHOOL PLACEMENT

M.D. program at Eastern Virginia Medical School, M.S. Physician Assistant at James Madison University



OUR **COMPUTER SCIENCE** DEPARTMENT

The Computer Science Program at Norfolk State University is designed to provide students with an exposure to the broad Computer Science spectrum, with an opportunity to create areas of specialization with appropriate applied mathematics and/or computer electives. Generally, the program emphasizes the practical and theoretical aspects of Computer Science and related areas of Computer Science and prepares students for careers as Computer Software Engineers, System Analysts and other professions. The program also provides an adequate foundation for students who wish to pursue graduate study in Computer Science.



PROGRAMS

B.S. in COMPUTER SCIENCE, B.S. in INFORMATION TECHNOLOGY, M.S. in COMPUTER SCIENCE, M.S. in CYBERSECURITY



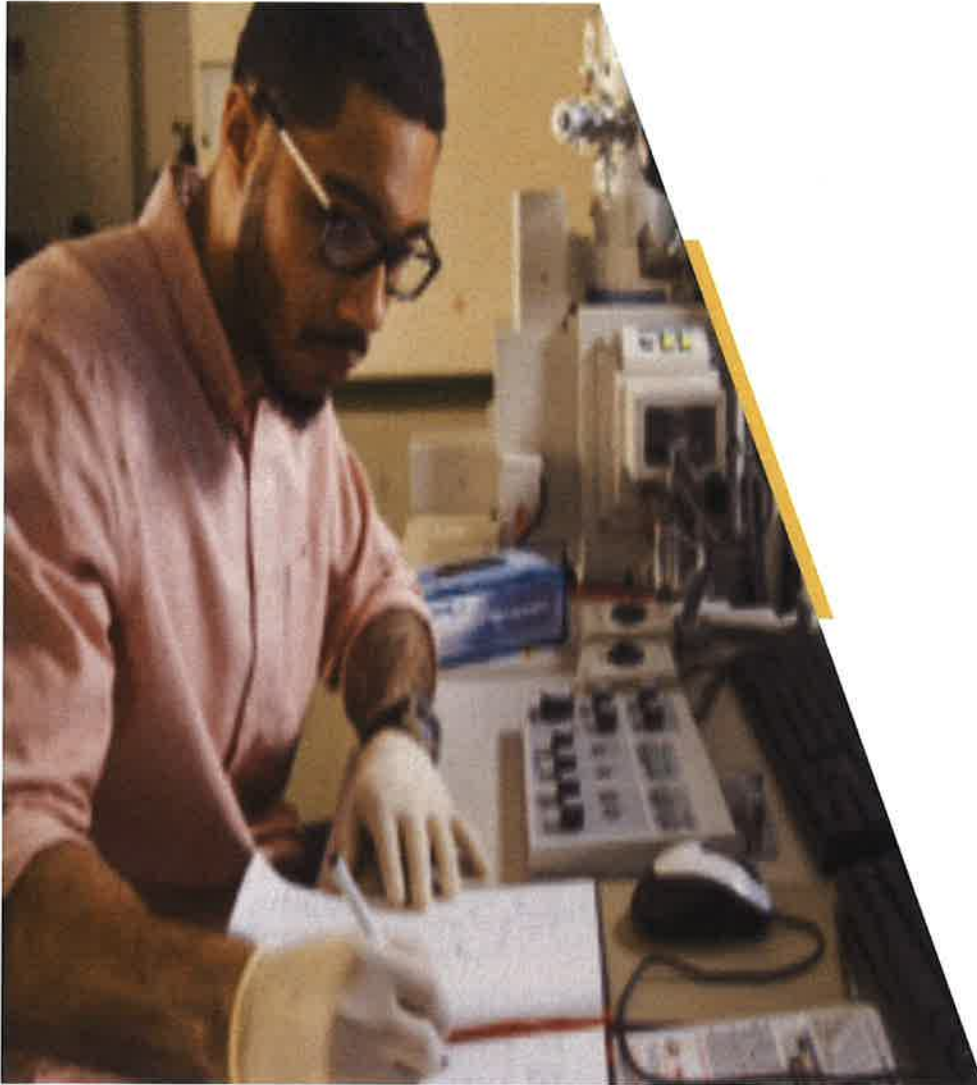
STUDENT ACTIVITIES

- Receive scholarships and paid internships
- Work with faculty on research projects in computer security, robotics, networking applications, data visualization, modeling and simulations
- Enter contests with other universities competing in computer programming, robotics, Cybersecurity, and other areas
- Pursue graduate study in computer science and related areas



CLUBS

Student Chapter ACM, NSBE, IEEE Computer Society, Gaming Club, CyberScholars



OUR ENGINEERING DEPARTMENT

The mission of the Department of Engineering at Norfolk State University 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.



PROGRAMS

B.S. in ELECTRICAL & ELECTRONICS ENGINEERING, B.S. in OPTICAL ENGINEERING, M.S. in ELECTRONICS ENGINEERING



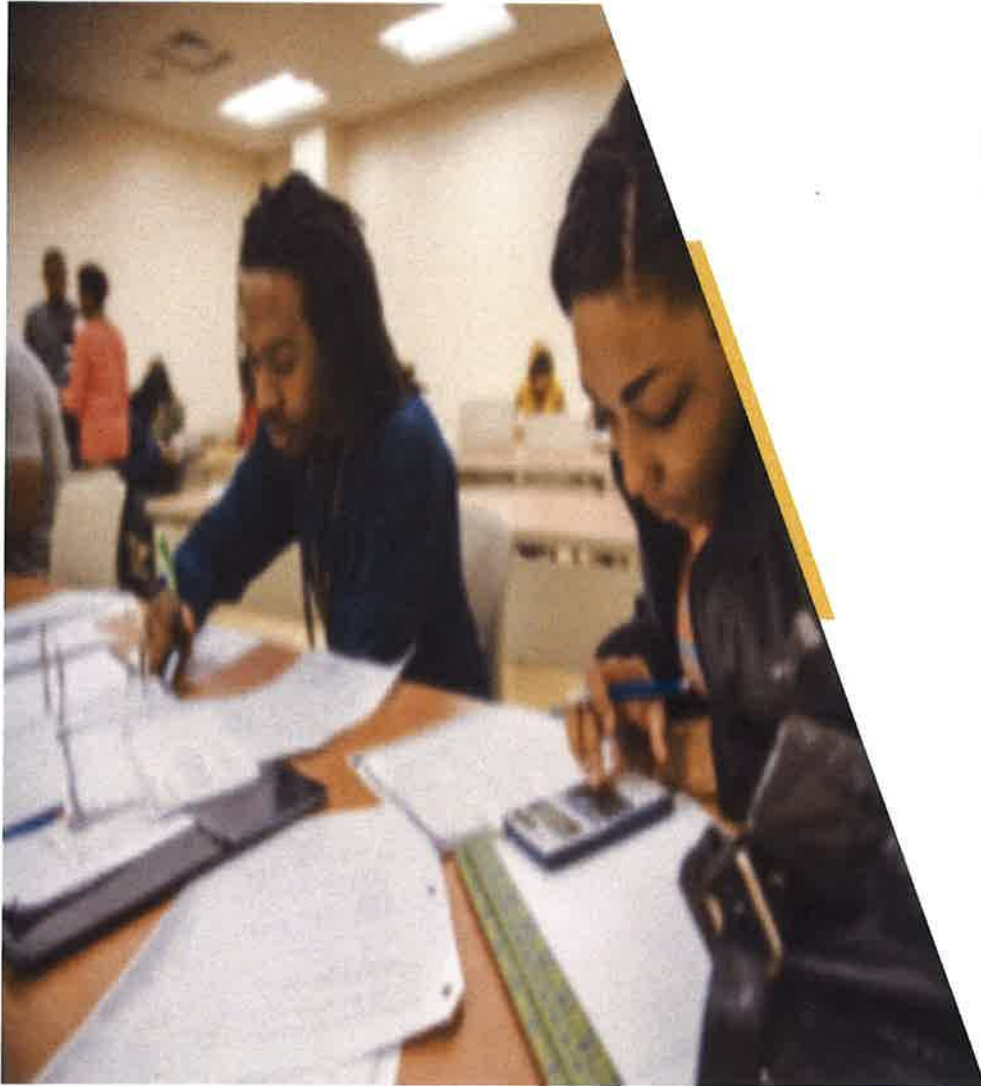
STUDENT ACTIVITIES

Undergraduate research for academic credits at government, industrial and university laboratories, Hands-on design and build projects beginning in the first year



LABORATORIES

State-of-the-art instructional and research laboratories



OUR MATHEMATICS DEPARTMENT

The Mathematics Department assists students of all majors in mastering the quantitative skills necessary for success in their various disciplines. The Department prepares students majoring in mathematics for careers in the mathematical sciences from both a theoretical and an applied viewpoint, providing simultaneous preparation for those who wish to pursue graduate study.



PROGRAMS

B.S. in APPLIED MATHEMATICS, TEACHER LICENSURE ENDORSEMENT,
DUAL DEGREE PROGRAM



STUDENT ACTIVITIES

Mathematics Club, University Honors Program / DNIMAS Program,
Student Chapter of the Tidewater Council of Teachers of Mathematics



OUR NURSING AND ALLIED HEALTH DEPARTMENT

At NSU, we are committed to “transforming lives and communities”. The Department of Nursing and Allied Health offers Baccalaureate degrees in Nursing and Health Services Management. For almost 60 years the Department of Nursing and Allied Health has been educating students using programs that reflect high quality and standards. We strive to educate health care professionals who are committed to providing safe, excellent, and culturally competent health care services.



PROGRAMS

B.S. in NURSING, B.S. in RN to BSN (Online), B.S. in HEALTH SERVICES MANAGEMENT, B.S. in HEALTH SERVICES MANAGEMENT (Online), B.S. in HEALTH SERVICES MANAGEMENT FOOD SCIENCE AND NUTRITION CONCENTRATION, CERTIFICATE IN HEALTH SERVICES MANAGEMENT,



STUDENT ACTIVITIES

Virginia State Nurses Association, National Student Nurses Association, BSN Honor Society, Chi Eta Phi Sorority, Incorporated, Health Services Management Student Association, Sickle Cell and Breast Cancer Walk community events



SOCIETIES

Upsilon Phi Delta Chapter through the Association of University Programs in Health Administration, National Society of Allied Health



OUR **PHYSICS** DEPARTMENT

The Department of Physics provides the instruction necessary for the understanding of physics and earth science for students in this department and for other departments of the University. The Department also provides the research basis for students wishing to contribute to knowledge in the areas mentioned.



PROGRAMS

B.S. in PHYSICS, PHYSICS TEACHER LICENSURE
M.S. IN MATERIALS SCIENCE
PH.D. MATERIAL SCIENCE AND ENGINEERING



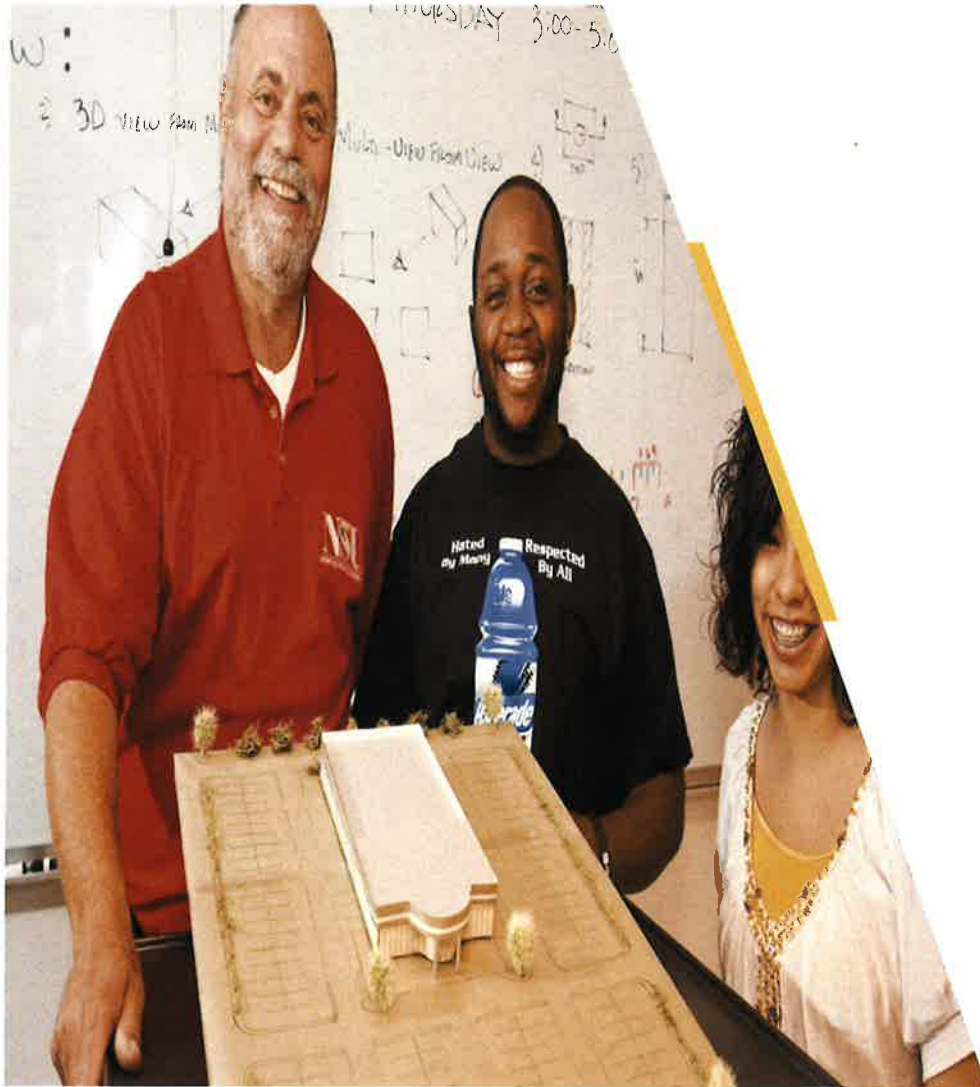
MINOR

ASTRONOMY



CUTTING –EDGE RESEARCH

Materials Science, Nuclear Physics, Astronomy



OUR TECHNOLOGY DEPARTMENT

The Technology Department commits to preparing students in quality programs for functional careers in architectural drafting technology, construction management engineering technology, computer engineering technology and electronics engineering technology.



PROGRAMS

A.S. in ARCHITECTURAL DRAFTING, B.S. in COMPUTER ENGINEERING TECHNOLOGY, B.S. in ELECTRONICS ENGINEERING TECHNOLOGY, B.S. CONSTRUCTION MANAGEMENT ENGINEERING TECHNOLOGY



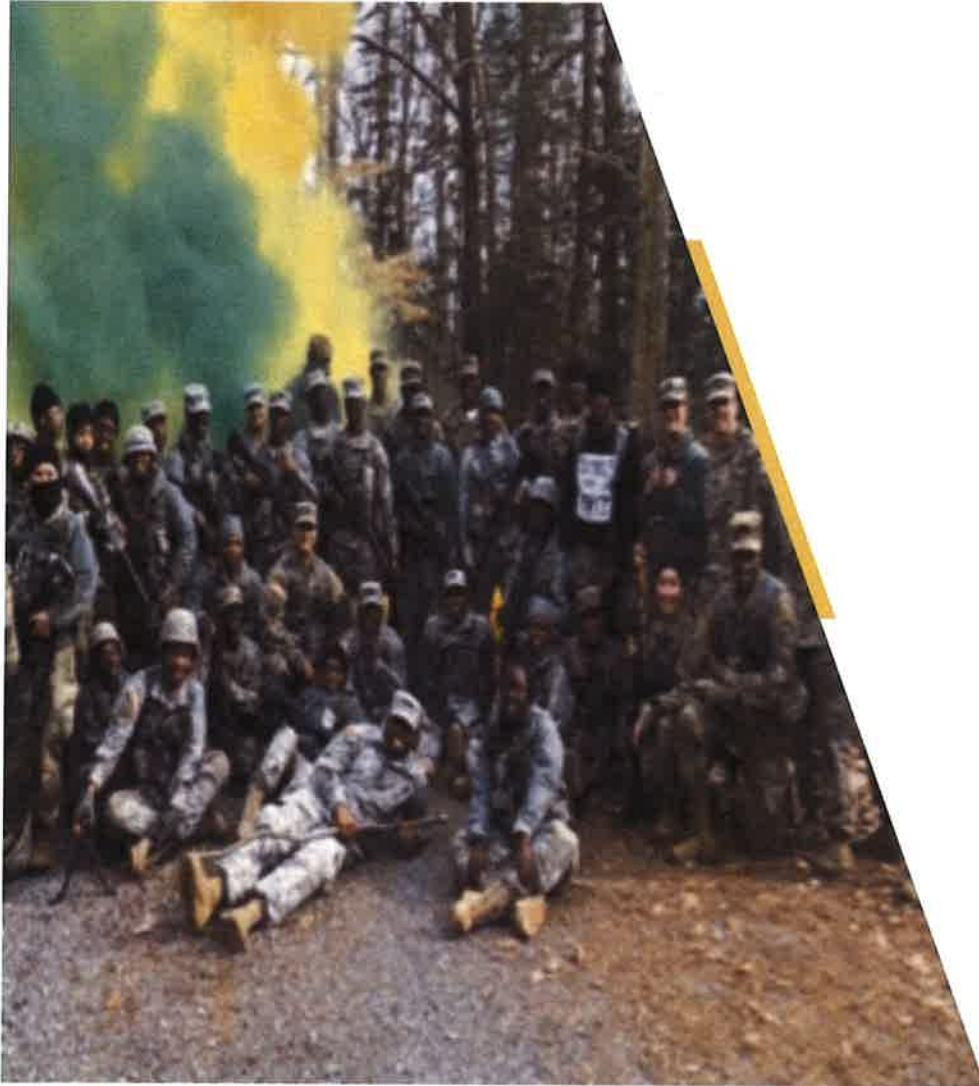
STUDENT ACTIVITIES

Associated General Contractors of America (AGC), Institute of Electrical and Electronics Engineers (IEEE)



SOCIETIES

Society of Manufacturing Engineers (SME), Technology Society Club



OUR **ARMY ROTC** DEPARTMENT

Army ROTC is a world-class leadership development program which trains, develops, and commissions the future leadership of the United States Army, Army Reserve, and National Guard.



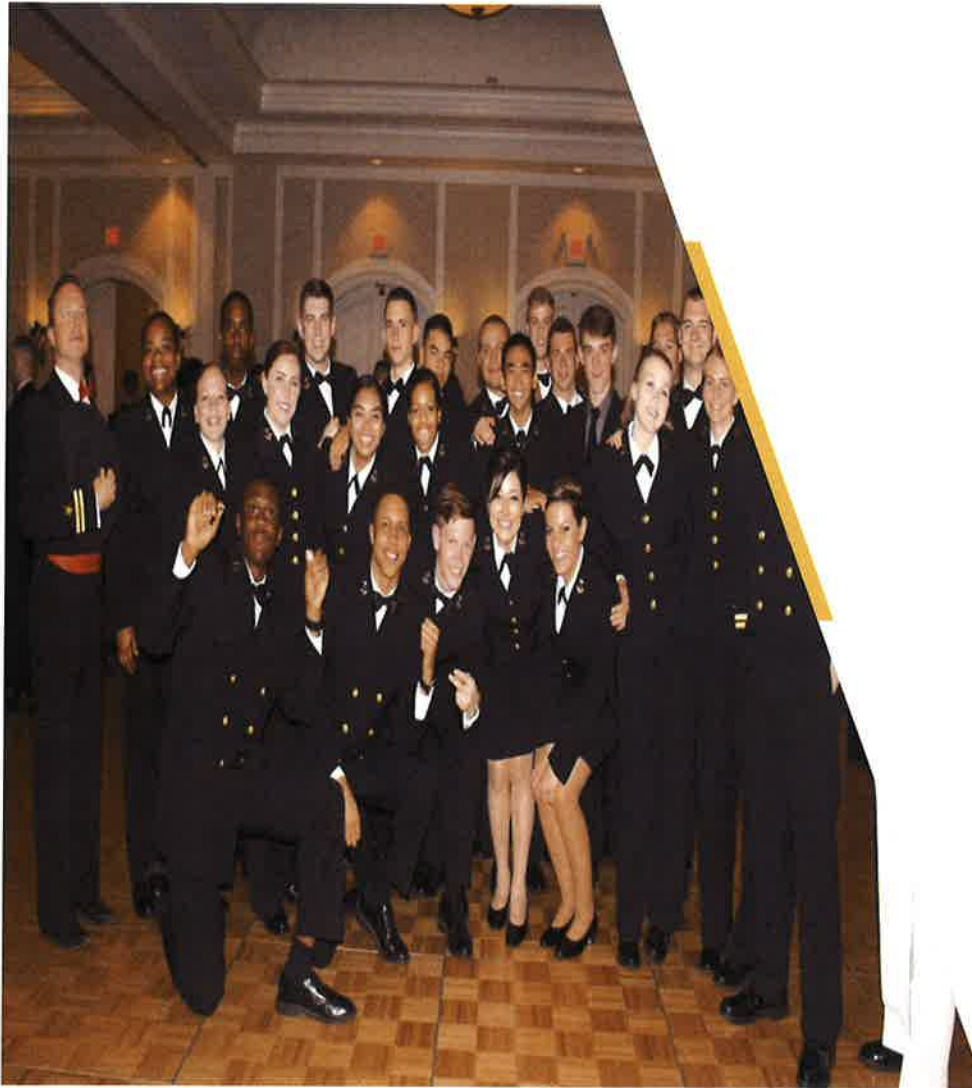
SPARTAN BATTALION

The Spartan Battalion has a rich history of equipping college students with the necessary skills to become successful leaders in the United States Army as well as in civilian careers. We focus on skills such as time management, planning, and effective communication. We instill in our Cadets the Army Values of Loyalty, Duty, Respect, Selfless Service, Honor, Integrity, and Personal Courage.



ENROLLMENT REQUIREMENTS

- Be a citizen of the United States.
- Be free of any condition that could interfere with participation in a normal college physical education course.
- Be accepted by the University as a full-time enrolled student.
- Be between the ages of 17 and 26.
- Possess a satisfactory record of moral integrity, maintain high standards of performance in academic and extracurricular activities, and manifest potential officer characteristics.
- Have no moral obligation or personal convictions that prevent you from conscientiously bearing arms and supporting and defending the Constitution of the United States against all enemies, foreign and domestic.



OUR **NAVY ROTC** DEPARTMENT

The primary mission of the Naval Science Program is to provide professional and leadership instruction to students who desire to serve as commissioned officers in the United States Navy or Marine Corp



ENROLLMENT REQUIREMENTS

- Be a citizen of the United States
- Not less than 17 years old and not yet 23 by September 1 of the year starting college.
- Must not have reached 27th birthday upon graduation and commissioning.
- Applicants with prior military service may be eligible for age adjustments for amount of time equal to their prior service, on month-by-month basis, for maximum of 36 months, if they will not reach their 29th birthday upon commissioning.
- Applicants must have no criminal record of military or civilian offenses pending or federal convictions.
- No moral obligations or personal convictions that prevent conscientious bearing of arms and supporting and defending the Constitution of the United States against all enemies, foreign or domestic or to taking an oath to perform such acts.



SCHOLARSHIPS

THE COLLEGE OF SCIENCE, ENGINEERING, AND TECHNOLOGY SCHOLARSHIP

- Provides up to \$5,000 per year
- The eligibility requirements are:
 - 2.8 GPA
 - Enrollment in one of the eight CSET departments

STARS and WBHR-LSAMP

- Research internship opportunities
- The eligibility requirements are:
 - 2.8 GPA
 - Enrollment as a biology, chemistry, computer science, engineering, math, physics, or technology major

At least \$3,000 stipend



OUR **DNIMAS** PROGRAM

The **Dozoretz National Institute for Mathematics and Applied Sciences (DNIMAS)** was established in December 1985. Its goal is to address the severe shortage of minority scientists by producing graduates who are capable of successfully completing graduate studies in the basic and applied sciences, and of entering occupations in industry, government, and education. The DNIMAS Program offers an academic scholarship and/or grant which provides assistance towards Tuition and fees, Room and board, Book allowance



PROGRAMS

Enrollment as an incoming freshman in biology, chemistry, computer science, engineering, mathematics, or physics



STUDENT EXPECTATIONS

Graduates of the Institute will also be capable of entering medical or other professional schools.



ELIGIBILITY REQUIREMENTS

Combined SAT: 1200 (M-V); or Composite ACT: 23 or above 3.3 (unweighted) High School GPA



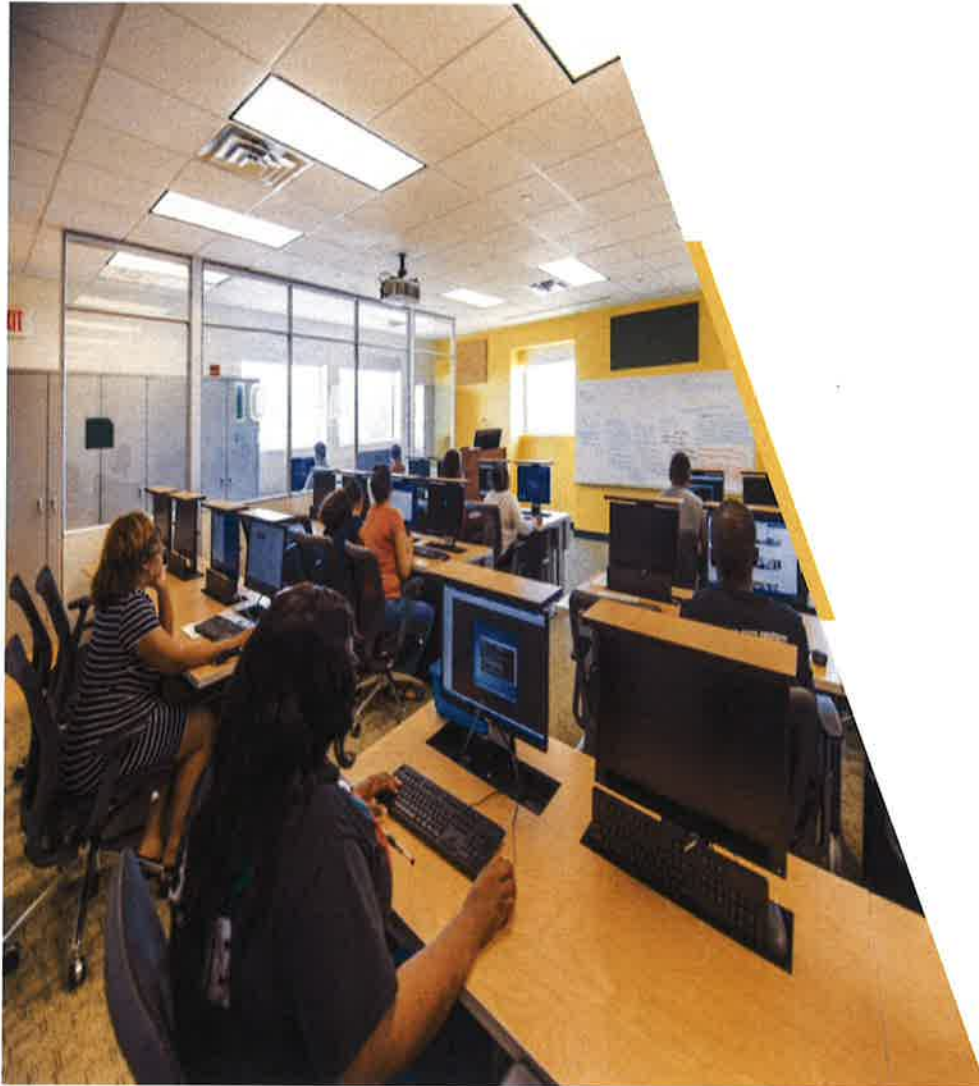
OUR CENTER FOR MATERIALS RESEARCH

The Center for Materials Research (CMR) conducts cutting edge research in well-equipped facilities in areas of crystal growth and nanotechnology, polymer processing and thin film deposition, nonlinear optics and laser design, optical spectroscopy and magnetic resonance.



FACILITIES

- Crystal Growth Lab where novel crystals for laser use are prepared
- Materials Analysis Labs for probing materials developed in the CMR
- Organic Synthesis Lab where novel organic and polymeric materials are designed and characterized
- Laser Spectroscopy Labs which provide ultrafast, tunable optical light pulses
- Thin Films Lab, NMR Lab, and ESR Lab
- Micro- and Nano – Technology Center featuring a Class 100/1000 (ISO Class 5/6) Clean Room



OUR CYBERSECURITY COMPLEX

The Cybersecurity Complex includes data centers and research labs that provide training for students in areas that include cloud computing, digital forensics, wireless security, cyber-psychology, socio-cybersecurity and more.



CENTERS

- Information Assurance Research, Education and Development Institute
- Center of Excellence in Cybersecurity (Research)
- Consortium Enabling Cybersecurity Opportunities and Research (CECOR)



FACILITIES

Equipped with a wide range of cybersecurity tools, the complex is used to teach computer ethical hacking techniques, to practice for cybersecurity competitions and to offer web-based VM cybersecurity laboratory exercises. The digital forensics laboratory is equipped with a variety of the latest digital forensic software and equipment



RESEARCH FUNDING

The unit has amassed more than \$45M to support cybersecurity initiatives at NSU.

QUESTIONS & ANSWERS

Frequently Asked Questions



Q. Is taking the Mathematics Placement Test mandatory?

A. All incoming freshmen are required to take the placement test.

Q. What is the recommended number of credits per semester?

A. The recommended number of credit hours is 30 hours per year (15 credits per semester) for majors requiring 120 credit hours for graduation. The average number of credits per semester is 16 in the engineering department.

Q. Who is my contact person in my department?

A. Your Department Chair will assign you a Departmental Coach/Mentor who will help you navigate academics and co-academic opportunities in the department.

Q. Who do I contact if I run into academic difficulties?

A. You should contact your Departmental Coach/Mentor for guidance. If the difficulty is purely course work you should seek tutoring. Tutoring is available in the Patricia Lynch Stith Student Success Center as well as STARS Tutoring in the College of Science, Engineering and Technology.

Q. I put Nursing as my major on the Admission application. Am I in the Nursing Program?

A. No, you are not in the Nursing Program. Your status as of now is: You are a Pre-Nursing student completing the Nursing Program prerequisites. When you are near completion of the prerequisites; your advisor will inform you when it is time for you to apply to the Nursing Program.

Q. What is the GPA for applying to the Nursing Program?

A. The cumulative GPA that you must have to apply to the Nursing Program is 2.8 or greater. There is no rounding of a GPA.

Q. What are the benefits of the Army ROTC program?

A. The Army ROTC program provides world-class leadership training. Students that complete the program commission as Army Officers. Students can compete for financial incentives, including full-tuition scholarships.

Q. By enrolling in Army ROTC, am I joining the U.S. Army?

A. No. Students can be in the program for up to the first two years with no Military Service Obligation. It's an elective course. You can check it out and see if you like it before making a commitment. To enroll in Army ROTC, contact our Enrollment Officer at 757-823-9296 or apshirk@nsu.edu to have the Army ROTC Courses added to your schedule.

WELCOME TO CSET AND NSU!

Don't forget to tell your ideas about this presentation and share it with us!

CONTACT US:



Ms. Patrice Smith

pcsmith@nsu.edu, 757-823-9444

www.nsu.edu/cset

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Norfolk State University, Norfolk, VA, United States