



SHEN
UNIVERSITY

College of Arts & Sciences

COLLEGE OF ARTS & SCIENCES



2024 Undergraduate Programs



MAJORS

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Computer Engineering
Engineering Physics
Simulation Engineering
Software Engineering

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MINORS

- African American & Global Black Studies
- Artificial Intelligence
- Biology
- Chemistry
- Coaching
- Computer Science
- Criminology
- Cybersecurity
- Data Science
- English
- Environmental Studies
- Environmental & Sustainability Studies
- Film Production
- French
- Game Design & Development
- Gender & Women's Studies

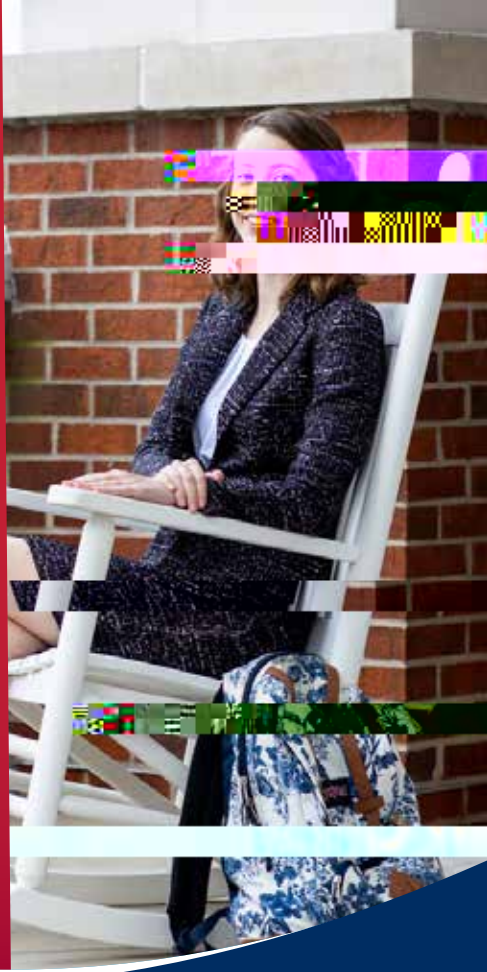
- Geography

EXAMINE: SOCIAL SCIENCES



“What I liked most about studying public health was learning the skills and knowledge to prevent disease and to help a collective group of people. I added on my public health major because I wanted to pursue a career in epidemiology. Studying public health during a pandemic gave me a lot of perspective and valuable experiences. I had the privilege of being able to see how our vaccination center worked and to volunteer there at the check-in desk.”

– Abigail Pilcher '21
B.S. Biology & B.S. Public Health
Psychology minor | Graduate studies in Public Health at Yale University



“In this past year, I have had the opportunity to participate in ride-alongs with several different police departments around the state, one of which was the Winchester Police Department. The experiences have been eye opening, and it has been inspiring to watch the officers do what they are trained to do best. In doing the ride-alongs, they have prepared me for what’s to come in the future of my professional career.”

– Vance Martin '23
Criminology & Criminal Justice major
Entrepreneurship minor



- Elementary Education (K-6)
- Elementary Education, Special Education (K-6)
- Health & Physical Education K-12
- Middle School Education (6-8)
 - English
 - History/Social Sciences
 - Mathematics
 - Sciences
- Middle School Education, Special Education (6-8)
- Secondary (High School) Education (6-12)
 - Biology
 - Chemistry
 - English
 - History
 - Health & Physical Education
 - Math
- Secondary (High School) Education, Special Education (6-12)







“Dr. Eric Leonard once told me, ‘In Global Studies, the whole world is your lab.’ My favorite part about being in the Global Studies program is that there is no limit to what I can learn, study, and strive to understand. This world is so big, and all of it is worth paying attention to, every nation, tongue, culture, village, and people. I look forward to pursuing that in my humanitarian work.”

– Elora Smith '23

**B.S. Biology & B.S. Global Studies
Religion & Political Science minors**



EXPLORE: NATURAL SCIENCES

The natural sciences are devoted to studying the natural world through applied science and scientific methodology to examine reality, steward our planet's natural resources or improve the human condition. Students prepare for careers in product development, research, education, biotechnology and the health professions.

MAJORS

- Biochemistry
- Biology†
- Chemistry†
- Conservation Science and Management
- Environmental and Sustainability Studies
- Environmental Studies
- Exercise Science
- Interdisciplinary Studies

MINORS

- Biology
- Chemistry
- Environmental and Sustainability Studies
- Environmental Studies
- Geography
- Physics
- Physiology

CERTIFICATES

- Coaching
- Health Communication
- Pre-Health Professional

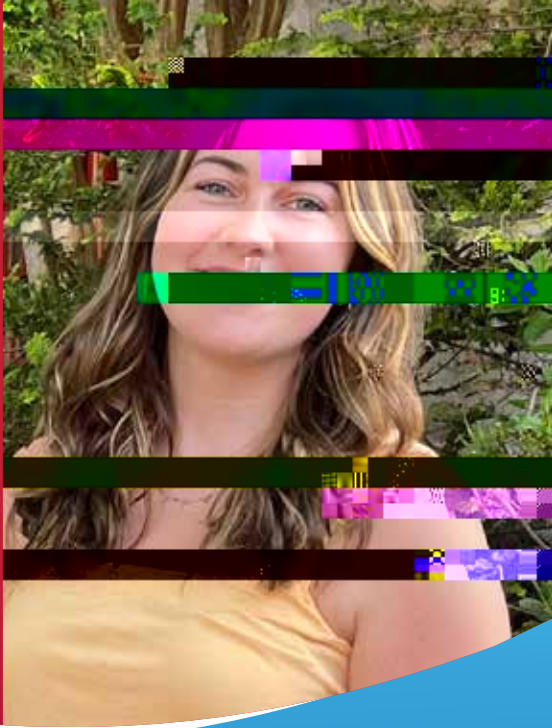
†indicates
programs eligible
for teacher
licensure

“The Summer Research program was valuable to me because it allowed me to work in a lab setting outside of classes and work one-on-one with Dr. Ca to try and accomplish a goal. The skills I developed from research, will assist me in graduate school and potentially in my career in research.”

– Kyle Albert '20 | B.S. Math - Physics minor | B.S. Chemistry - Biology minor

“The chemistry program has given me the critical thinking skills that are needed to be successful in graduate school and as a pharmacist. It has allowed me to gain a necessary understanding of information that will be further developed and challenged in pharmacy school.”

— Madison Meyers '24
Chemistry Major,
Biology Minor



PATHWAYS TO A GRADUATE HEALTH PROFESSION



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Our pre-health pathways guide students to graduate programs across the country. su.edu/academics/pre-health-program

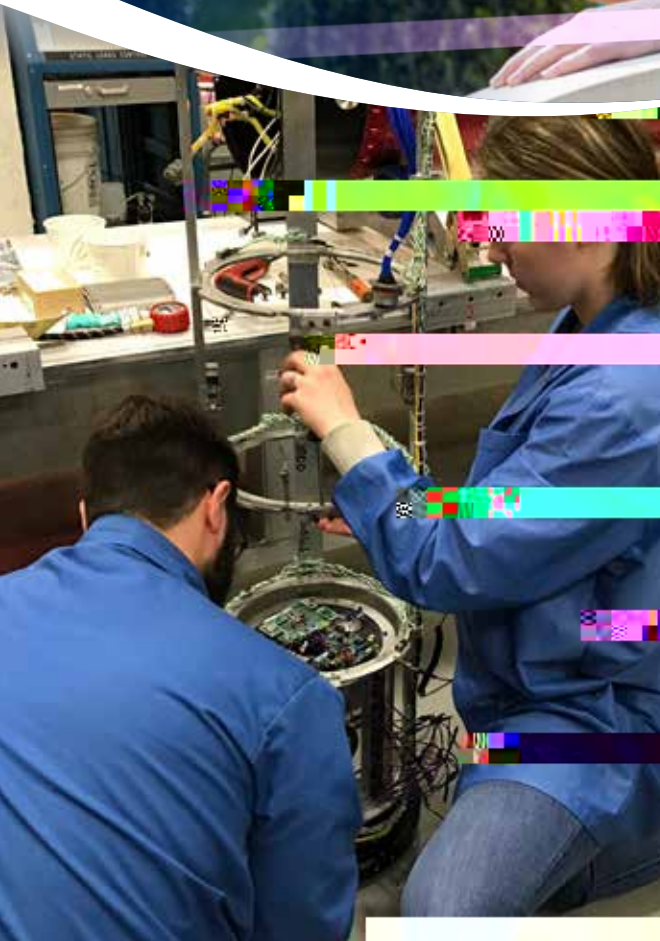


A group of four students are gathered around a table, focused on a project. They are surrounded by various materials, including small white cubes, colorful beads, and printed images. One student is pointing at a small object on the table. The background shows other people and a wall with a grid pattern.

**LEAD:
APPLIED**

"I love math and solving problems in mathematical equations. I also like to collect and work with data. In an environmental science end-of-year Honors project, I was able to incorporate both data analysis as well as computer code into the cause of ocean temperature change. If you like math or solving problems or mysteries, you would like this major."

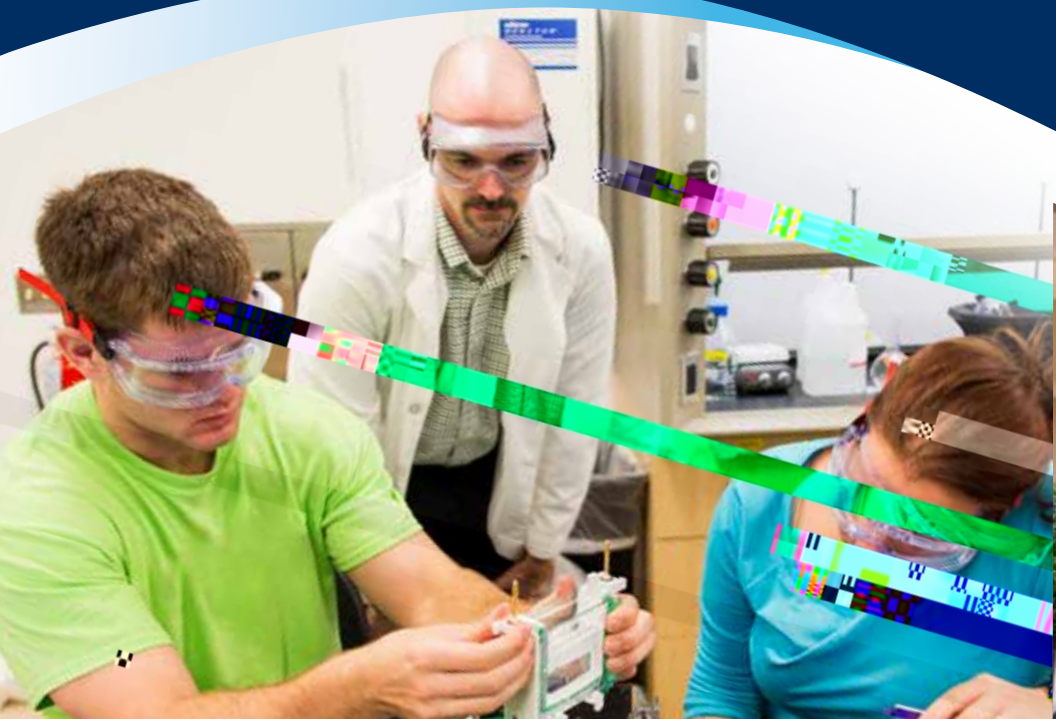
– Mark Isabelle '24
Data Science and Applied Mathematics
major | Computer Science minor



"Engage in cutting-edge, creative and competitive learning and research in our technology programs, where hands-on learning meets state-of-the-art resources."

–Mohammad Obeid, Ph.D., Associate Professor & Director of Augmented Reality/Virtual Reality (BS) and Co-Director, Shenandoah Center for Immersive Learning (SCiL)

ACCOMPLISHED, CARING FACULTY



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OUR PROFESSORS ENGAGE YOU IN MANY WAYS:

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THE HONORS PROGRAM

Our Honors Program provides students who excel academically and creatively with opportunities to grow as scholars through rigorous and engaging learning experiences within a cohesive multidisciplinary community. All honors courses complement the SU general education program and the university's dedication to advancement in knowledge, critical thinking and communication. Each course emphasizes the multidisciplinary nature of any career or scholarly activity and provides advanced instruction in communication, reflection and ethical reasoning. Additionally three honors seminars focus on how to make a difference within global and local communities.

su.edu/honors







GET INVOLVED

A M E C



One-on-one mentoring is available to students through the **Math Enrichment Center and Writing Center** so that students graduate with strong communication and problem-solving skills.

I Q L



The **Shenandoah River Campus at Cool Spring Battlefield** is 195 acres of outdoor classroom and recreational space open to the university community and the general public. The site, which was part of the July 18, 1864, Battle of Cool Spring during the Civil War, serves as a living laboratory for natural sciences, environmental studies and history students.

B L O C _

Acquire new skills with an on-campus job. Develop as a leader within the **Student Government Association**. Express yourself through writing, art, photography and more through the creative writing magazine, **Avalon**. Raise money for cancer research at the annual campus **Relay For Life**. Participate in one or more of the university's 90+ clubs and organizations, such as **Estudiantes Unidos**, **Active Minds** or the **Student Virginia Education Association**.



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At the **Mosaic Center for Diversity**, students connect within an inclusive space open to all cultures and people. The Mosaic Center embraces all races, sexes, gender identities, gender expressions, religions, ethnic backgrounds, socio-economic classes, sexual orientations, abilities, ages, personal appearances, political affiliations, military affiliations and immigration statuses. Additionally, the **Veteran, Military & Family Resource Center** and the **[Not Just] Women's Center** provide specific educational and support resources on campus.



A A C D

The **Shenandoah University Debate Team** is a powerhouse. Our team, which is a past winner of NEDA's crossfire championship, is open to students from all academic programs, with team members majoring in everything from biology and business administration to psychology and nursing.

Media and communication graduate Rebecca Sims '22, competed in the rapid-fire category, placing second in the nation at the National Educational Debate Association National Debate Tournament.

