



SHENANDOAH
UNIVERSITY

College of Arts & Sciences

COLLEGE OF ARTS & SCIENCES



2025 Undergraduate Programs

ESSENTIAL SKILLS FOR EVERY CAREER

As you study in the Arts & Sciences,

you'll develop not only subject-level knowledge, but also the versatile skill sets needed for today's continuously evolving workplace. You'll follow your **interests and curiosity**, propelling yourself into new areas of understanding and success. You'll learn how to **listen thoroughly** and **learn quickly**, consider issues from **multiple perspectives**, solve problems big and small, grow as a public speaker and writer and work well on

your own and as part of a team. You will be prepared for anything! "The humanities education really prepares you for that in a way other disciplines don't. The value of critical thinking and communicating is something you use day in and day out," said Reddit co-founder Alexis Ohanian, in the Observer, November 2018.



A DEGREE IN ARTS & SCIENCES

MAJORS

- Animal Health & Science
- Animal Health & Welfare
- Art & Design
- Biochemistry
- Biology*
- Chemistry*
- Computer Science
- Conservation Science & Management
- Criminology & Criminal Justice
- Cybersecurity
- Data Science & Applied Mathematics
- Engineering
 - ◇ Computer Engineering
 - ◇ Engineering Physics
 - ◇ Simulation Engineering
 - ◇ Software Engineering
- English*
- Environmental Studies
- Environmental & Sustainability Studies
- Exercise Science
- Film Production
- Global Studies
- History*
- Information Technology
- Mathematics*
- Media & Communication
- Political Science
- Psychology
- Public Health
- Recreation
- Sociology
- Spanish
- Virtual Reality Design

MINORS

- African American & Global Black Studies
- Animal Care & Wellness
- 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
- Global Studies
- Health Communication
- History
- Information Technology
- Law & Legal Systems
- Mathematics
- Physics
- Physiology
- Political Science
- Professional & Popular Writing
- Psychology
- Public Health
- Public Relations
- Religion
- Sociology
- Spanish
- Studio Art
- Virtual Reality Design

TEACHER EDUCATION

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

CERTIFICATE PROGRAMS

- Civil War Era Studies
- Coaching
- Health Humanities
- History & Documentary Film
- History & Immersive Technology
- IT/Cybersecurity Technician
- Pre-Health Professional
- Public History
- Virtual Reality Design

*indicates programs eligible for teacher licensure

Undecided: Students still deciding on a major begin in our **Exploratory Studies program**, where they investigate different majors and professions, and declare a major after their first year.

EXAMINE: SOCIAL SCIENCES

The social sciences examine societal norms and cultures. You'll study human issues through local and global lenses, realizing that relationships within communities or populations start locally but can affect regions and communities around the globe.



MAJORS

- Criminology & Criminal Justice
- Global Studies
- Political Science
- Psychology
- Public Health
- Recreation
- Sociology

MINORS

- Coaching
- Criminology
- Gender & Women's Studies
- Global Studies
- Law & Legal Systems
- Political Science
- Psychology
- Public Health
- Sociology

CERTIFICATES

- Coaching

COLLABORATION

Collaborating across disciplines creates skills that students need for professional success.

For example, three Arts & Sciences departments received a grant to pay students to intern at the Winchester Senior Center.

Public health students led programs to improve nutrition and healthy eating while **exercise science** students worked to improve strength, balance and flexibility; and **psychology** students led programs to decrease loneliness.

“I had the opportunity to travel to Zambia through the Global Citizenship Project. This is an opportunity I would have never had outside of Shenandoah. I learned so much about the culture of Zambia through engaging with the Zambian people’s history and cultural practices. During our travels we explored the capital city of Lusaka and the towns of Choma and Livingstone, where we experienced the amazing Victoria Falls. This was a life-changing opportunity that I am so grateful to have had with Shenandoah, and my life is better for it.”

– Libby Tennyson '25
History, Political Science and
Global Studies majors



“In my senior year, I 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 were eye opening, and it was 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
B.S. Criminology & Criminal Justice
Entrepreneurship minor



EMPOWER: TEACHER EDUCATION

Great teachers change lives. They guide curiosity, nurture creativity and spark inventive thinking. They, too, are curious, creative and inventive in how they approach subject-matter instruction and the unique worlds presented inside their classrooms.

As a Shenandoah education student,

you'll gain teaching and assessment skills that will allow you to be an effective instructor who works within a positive learning environment to help every student succeed.

TEACHER EDUCATION

- 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
 - ◇ Science
- Middle School Education, Special Education (6-8)
- Secondary (High School) Education (6-12)
 - ◇ Biology
 - ◇ Chemistry
 - ◇ English
 - ◇ Health & Physical Education
 - ◇ History
 - ◇ Math
- Secondary (High School) Education, Special Education (6-12)



“The education program at SU helped me acquire hands-on experience and the proper tools necessary to best meet the needs of my students in all school settings. The education professors are passionate and are ready to help whenever possible, which aided me throughout my academic career. They helped me strengthen my skill set and confidence, which was a plus during my job search. I felt ready in all of my interviews, and landed the position of my dreams in my hometown!”

– Katherine Hernandez Ramos '23
B.Ed. Elementary Education (PreK-6)



For more than 30 years, acclaimed children’s authors and illustrators have shared stories about their work at *Shenandoah’s annual Children’s Literature Conference*. Presenters have included two-time Newbery Medal-winner Lois Lowry, the first National Ambassador for Young People’s Literature Jon Scieszka, Newbery Medal winners Kwame Alexander, Avi and Patricia MacLachlan, and Caldecott Medal winners Kevin Henkes, Peter Brown and David Wiesner.



CONNECT: HUMANITIES

The humanities are devoted to understanding how people try to make sense of the world intellectually, morally, spiritually and artistically. You'll grow as a reflective and critical thinker as you consider big ideas, the ways people have documented those ideas and their relation to the human experience and how people develop and perpetuate beliefs and cultural practices.


MAJORS

- Art & Design
- English*
- Film Production
- Global Studies
- History*
- Media & Communication
- Political Science
- Spanish

MINORS


- African American & Black Global Studies
- English
- Film Production
- French
- Gender & Women's Studies
- Global Studies
- Health Communication
- History
- Law & Legal Systems
- Civil War Era Studies
- Health Humanities
- History & Documentary Film
- History & Immersive Technology
- Pre-Health Professional
- Public History
- Professional & Popular Writing
- Public Relations
- Religion
- Spanish
- Studio Art

*indicates programs eligible for teacher licensure



“Shenandoah’s film production major puts students at work with professionals in the industry, while also giving them the artistic freedom to take on their own ventures. My experience at Shenandoah felt like a bullet train, it went by so fast! If you know where to look, there’s gonna be a lot coming to you.”

**– Andrés “Andy” Espinoza ’23
B.A. Film Studies
Public Relations minor**



“I love being challenged intellectually, and as a triple major, I have the opportunity to do so! I love that English, Spanish, and Global Studies work so well together, especially as someone that is following the pre-law path. I have been able to use all of the skills I have learned across my areas of study and further enhance them in order to be successful. Being a triple major can sound scary, but professors and advisors are extremely helpful and want to see students succeed.”

**– Aurora Padilla-Jimenez ’26
English, Spanish, & Global Studies majors**



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

- Animal Health & Science
- Animal Health & Welfare
- Biochemistry
- Biology*
- Chemistry*
- Conservation Science & Management
- Environmental & Sustainability Studies
- Environmental Studies
- Exercise Science

MINORS

- Animal Care & Wellness
- Biology
- Chemistry
- Environmental & Sustainability Studies
- Environmental Studies
- Geography
- Physics
- Physiology

CERTIFICATES

- Coaching
- Health Communication
- Pre-Health Professional

*indicates
programs eligible
for teacher
licensure

“My favorite thing about my majors is how hands-on the curriculum is. I am able to relate what I learn in my exercise science courses to my experience playing sports and weightlifting, as well as apply my Spanish in the community of Winchester. Studying in-depth in both of these fields has opened a variety of opportunities for me.”

– Maya Horner '24 | B.S. Exercise Science | B.A. Spanish | Minors in Psychology and Biology



“The biology department provided me with the information and skills to be able to compete for a spot in the top microbiology graduate programs in the country. The independent research opportunities allowed me to enhance my lab techniques as well as develop critical thinking skills that will help me succeed in graduate school.”

– Shannon Eissele '24
B.S. Biology, Chemistry Minor,
pursuing a PhD in microbiology at
the University of Georgia

PATHWAYS TO A GRADUATE HEALTH PROFESSION

We offer multiple academic pathways to our graduate health professions programs.

- Doctor of Occupational Therapy
- Doctor of Pharmacy
- Doctor of Physical Therapy
- Master of Science in Athletic Training
- Master of Science in Occupational Therapy
- Master of Science in Physician Assistant Studies
- Master of Public Health
- Master of Science in Speech-Language Pathology

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





LEAD: ADVANCED TECHNOLOGY

Learn to become a leader in one of the world's largest and fastest-growing industries in our Division of Advanced Technology. Government, businesses, health care and nonprofits all require advanced technology skills for everyday operations. At Shenandoah, you'll take a humanistic approach to using technology, learning how to keep the needs of the human beings who use and benefit from the technology foremost in your mind. In these programs, you can choose to learn how to create cutting-edge immersive experiences, apply cybersecurity skills to keep systems safe, analyze data to make intelligent decisions and use a variety of technologies to solve real-world problems.

MAJORS

- Computer Science
- Cybersecurity
- Data Science & Applied Mathematics
- Engineering
 - ◊ Computer Engineering
 - ◊ Engineering Physics
 - ◊ Simulation Engineering
 - ◊ Software Engineering
- Information Technology
- Mathematics
- Virtual Reality Design

MINORS

- Artificial Intelligence
- Computer Science
- Cybersecurity
- Data Science
- Game Design and Development
- Information Technology
- Mathematics
- Virtual Reality Design

CERTIFICATES

- IT/Cybersecurity Technician
- Virtual Reality Design

su.edu/AdvancedTechnology

“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

**B.S. Data Science and Applied Mathematics
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 F. Obeid, PhD
Mirza Family Endowed
Chair In Global Learning,
Associate Professor and
Director, AR/VR,
Co-Director, Shenandoah
Center for Immersive
Learning (SciL)**

ACCOMPLISHED, CARING FACULTY



Imagine participating in interesting conversations led by engaging professors who've already done what you dream of doing. You'll be in small classes — the average class size is approximately 12 students — with professors who know your name, care about your success and provide invaluable advice as you pursue your academic and career goals.



Our faculty members are virtual reality innovators, seasoned educators, communicators, researchers, filmmakers and experts across the breadth of the arts and sciences, respected for both their expertise and mentoring ability. Their wealth of experience informs their teaching and provides you, as a student, with the benefits of multiple perspectives.

OUR PROFESSORS ENGAGE YOU IN MANY WAYS:

- Providing experiential learning opportunities
- Mentoring
- Co-authoring publications
- Advising research projects
- Connecting you with alumni in the field
- Advising clubs and organizations
- Networking with professional groups and affiliations
- Attending conferences
- Getting to know you on a personal level
- Sharing a meal together



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



CONDUCT UNDERGRADUATE RESEARCH

Hundreds of students have presented original research at the **Shenandoah University Research Expo (SURE)**. SURE gives students the opportunity to network, practice presentations for regional and national conferences and vie for prize money. Research and works in progress are presented in a wide variety of forms, including digital media, fine art, audio and video and posters. College of Arts & Sciences students have presented research on mathematics, bluegill sunfish parasites, narcissism, properties of black gum tree bark, fungus affecting American, Chinese and hybrid chestnut trees and much more.



STUDY INTERNATIONALLY

You can earn credit while **traveling the world** to study fascinating topics as part of our **Global Experiential Learning (GEL)** program. Study abroad lasts for a few weeks, a semester or a whole year.



GET INVOLVED

At The Math Enrichment Center and Writing Center

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.

In Outdoor Laboratories

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.



By Leading On Campus

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 95+ clubs and organizations, such as **Estudiantes Unidos**, **Active Minds** or the **Student Virginia Education Association**.



With Your Classmates

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.

Mock Trial 2024

Lincoln Case



Trial Advocacy/Mock Trial

This is a transformational, immersive, and exciting program that teaches the fundamentals of trial advocacy through hands-on preparation and presentation of civil and criminal cases. Taught by practicing litigation attorney Professor Jeff Harding, Esq. J.D., the students learn opening statements, direct examinations, cross examinations, closing arguments, objections, evidence, and legal reasoning to bring a case to trial. Trial Advocacy I teaches the basics and uses scrimmages of mock cases to hone legal skills. Trial Advocacy II is advanced trial practice, legal argument and research, and preparation for national competition. Trial Advocacy III is the national competition team. The program is challenging and rewarding.

Students develop critical thinking, public speaking, storytelling, analytical argument, leadership and group skills, confidence and experience enhanced academic and personal growth. This is a must have course for those interested in law or grad school.

“Mock Trial has been pivotal for me in my journey at Shenandoah. It is not only fantastic for anyone considering a career in law, but beneficial for students of any major looking to grow.”

–Bevin Taylor ’25
Acting major, Political Science minor

“The Mock Trial program is truly for every type of person in every type of major, especially when it comes to preparing for future jobs and occupations.”

–Myklin Davis ’27
Business Administration major,
Entrepreneurship concentration,
Criminology minor

SHENANDOAH'S COLLEGE OF ARTS & SCIENCES

We Put Your Education To Work!

Many students in the arts & sciences pursue double majors and/or minors to create the educational experience that best meets their individual interests and career goals. And, they still graduate in four years!



Contact the Office of Admissions

 540-665-4581 |  su.edu/admissions |  540-546-6029 |  admit@su.edu



su.edu/admissions

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