

DISCOVER YOUR WORLD



**WEBER STATE
UNIVERSITY**

College of Science

**Are you curious? Inventive?
Ready to change the world?**

Discover the Solution

The job outlook for science, technology, engineering and math (STEM) careers is growing every year, and opportunities for individuals with skills in STEM fields are unlimited.

Take the first step toward your dream career in science or math right here.

WSU is Leading the Field

- New, state-of-the-art facilities and equipment in Tracy Hall Science Center
- Hands-on learning and research
- Excellent acceptance rates to graduate and professional schools
- A student-to-faculty ratio of 18:1
- Highly qualified and readily available faculty
- Spectacular outdoor field experiences
- Significant undergraduate student research opportunities
- Extensive training for science and mathematics teaching majors

Visit weber.edu/majors for more information, including median salaries and career options in each discipline.

weber.edu/cos

Tracy Hall Science Center, Room 201
1415 Edvalson St., Dept. 2512, Ogden, UT 84408
801-626-6302

7 DEPARTMENTS • 296 CLASSES • INFINITE POSSIBILITIES

BOTANY AND PLANT ECOLOGY • weber.edu/botany

Botanists study the structure, function and diversity of plants as well as their essential roles in the ecosystem and our daily lives.

What you get:

- Hands-on experience in the greenhouse, the laboratory and on field trips
- A solid science background that prepares you for highly competitive jobs or admission to graduate and professional schools

MICROBIOLOGY • weber.edu/microbiology

Microbiologists study microorganisms and their structure, metabolism, ecology and impact on humans.

What you get:

- The only undergraduate degree in microbiology in Utah
- Hands-on laboratories that lead to a better understanding of microbial processes that benefit agriculture, industry and medicine

CHEMISTRY AND BIOCHEMISTRY

weber.edu/chemistry

Chemists study the composition, structure and properties of solid, liquid and gaseous substances, and their interactions with energy and other substances.

What you get:

- A broad background in the major areas of chemistry and a range of research opportunities, including with the Center of Chemical Technology
- Experience with modern chemical instruments and computer applications

PHYSICS • weber.edu/physics

Physicists seek out the fundamental laws of nature and apply them to everything from subatomic particles to the entire observable universe.

What you get:

- Knowledge needed to investigate the world in the laboratory and through computer simulations, probe the behavior of matter and light, and explore astronomical phenomena
- Collaboration with faculty researching atomic and laser physics, medical physics, materials science, physics education, astronomy and more

EARTH AND ENVIRONMENTAL SCIENCES

weber.edu/ees

Geoscientists work on a wide range of Earth-related issues, such as environmental protection, hazard mitigation and mineral/energy exploration.

What you get:

- Field-based course experiences in northern Utah — a stunning outdoor geoscience “laboratory”
- Access to a variety of geoscience lab facilities, including the Remote Sensing/GIS Lab, Groundwater Well Field and SEM/AFM Microscopy Labs

ZOOLOGY • weber.edu/zoology

Zoologists study animals, from the molecular and cellular level through the ecology of populations, communities and ecosystems.

What you get:

- Research opportunities in the field or in excellent facilities such as the university's DNA laboratory
- A variety of study tracks, along with 1-on-1 advisement to guide you to graduation

MATHEMATICS • weber.edu/math

Mathematicians apply their expertise in a wide variety of fields to explain the most beautiful and complex ideas of the universe.

What you get:

- Excellent instruction in a fast-growing, broad and versatile discipline
- Knowledge of mathematical theory, logical thinking, applications and proofs, with an emphasis on problem-solving, computer and communication skills

PRE-MEDICAL PROFESSIONAL PROGRAMS

weber.edu/premed

WSU offers a rich environment that prepares you for application to programs in medicine, dentistry, pharmacy, veterinary medicine and more.

What you get:

- Participation in active pre-professional clubs/organizations
- Personalized advisement, application assistance and practice interviews