

CONSTRUCTION SAFETY SCIENCES (B.S.)

This major prepares students for a variety of occupational safety and health program management positions in the private and public construction sector. Emphasis is placed on critical thinking, hazard identification and prioritization, problem solving, cost effectiveness, professional skills in programmatic management, and safety and environmental regulatory compliance. Graduates will have the capacity to pursue graduate study or transition directly into careers in loss control, risk management, organizational safety, and consulting. Students should meet with a Construction Safety Sciences advisor as soon as they express an interest in this area to review program criteria. It is expected that students in this program will be highly motivated and will demonstrate academic excellence during their passage through the program.

Value is placed on real-world experience and all majors will be required to complete a documented total of 400 hours of related job-site work. Construction Safety Sciences students will be required to complete these hours prior to receiving a passing grade in SAFE 408. Students that do not complete these hours will be required to work with the instructor to complete these hours or risk course failure. Value is also placed on diversified background knowledge and professional perspectives. All majors will thus be required to complete an option selected from the list below.

Integrative Studies Requirements

40 credits minimum

Code	Title	Credits	Completed
Major Requirements (56 credits)			
Core Courses (40 Credits)			
SAFE-202	Occupational Safety	4	_____
SAFE-205	Construction Methods	4	_____
SAFE-210	Construction Internship 1	4	_____
SAFE-216	Safety Standards & Regulations	4	_____
SAFE-306	Systems & Behavioral Sciences	4	_____
SAFE-307	Safety Management Systems	4	_____
SAFE-308	Construction Safety Practices	4	_____
SAFE-317	Construction Health Hazards	4	_____
SAFE-408	Const. Safety Practices 2	4	_____
SAFE-410	Construction Internship 2	4	_____
Allied Courses (16 Credits)			

IHSP-101	Elementary Spanish I	4	_____
or IHSP-102	Elementary Spanish II		_____
SAFE-110	Applied Safety Science	4	_____
ARCH-270	Commercial Construction	4	_____
CMGT-300	Construction Management I	4	_____
Total Credits		56	_____

Electives

Select courses to reach a total of 120 credits for the degree.

Degree Requirements

120 credits

40 credits at the upper-level

Upon completion of the Construction Safety Sciences B.S. degree, students will be:

- Utilize and apply research and evidence to drive problem-solving and integrate value added practical solutions into organizational goals.
- Communicate effectively with stakeholders, colleagues and employees fostering mutual respect and shared decision making to enhance worker health safety and organizational performance.
- Participate in and contribute to the process of conserving assets and earning powers of an organization by managing risk.
- Gather and use applicable information technology to communicate, manage knowledge, mitigate risk and support decision-making.
- Develop, articulate, and execute a business case for protecting the company's internal external assets, stakeholders, and the community.
- Act as a leader and change agent to analyze and influence the behavior of individuals, work groups, and organizational systems in a way that will facilitate the achievement of shared goals.
- Establish workplace programs and worker safety/health advocacy practices in a moral, legal, ethical and socially responsible manner.