

SAFETY & OCCUPATIONAL HEALTH APPLIED SCIENCES (B.S.)

This Major prepares students for a variety of occupational safety and health program management positions in the private and public 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, participate in applied research, or transition directly into careers in loss control, risk management, organizational safety, and consulting.

Integrative Studies Requirements

40 credits minimum

Code	Title	Credits	Completed
Major Requirements (56 credits)			
*Must achieve a grade of "C" or higher in all courses			
ISSAFE-101	Safety Awareness	4	
SAFE-110	Applied Safety Science	4	
SAFE-202	Occupational Safety	4	
SAFE-215	Human Factors in Safety	4	
SAFE-216	Safety Standards & Regulations	4	
SAFE-305	Health Hazard Identification	4	
SAFE-306	Systems & Behavioral Sciences	4	
SAFE-307	Safety Management Systems	4	
SAFE-311	Safe and Environ Law	4	
SAFE-319	Fire & Hazmat Response	4	
SAFE-329	Safety Training Methods	4	
SAFE-401	Industrial Hygiene	4	
SAFE-420	Safety Research Methods	4	
SAFE-497	Innovative Safety Leadership	4	
Internships (Highly Recommended)			
SAFE-200	Safety Internship (2-8 credits. Open Elective credit only.)		

SAFE-400 Adv Safety Internship (2-8 credits. Open Elective credit only.)

Total Credits **56**

Honors Program

Motivated SOHAS students can participate in an advanced program of research through independent study projects and internship experiences, or they can advance their academic preparation by taking two (2) graduate safety courses. This program recognizes and formalizes outstanding academic achievement, culminating with graduation with Honors in SOHAS or Construction Safety Sciences (CSS). This program is open to all SOHAS and CSS majors who have completed at least 75 college credits and have at least a 3.25 GPA. Students successfully completing all facets of the Honors Program and having an average of 3.00 overall and 3.4 in their respective major will graduate with Honors in Safety and be inducted into the safety honor society, Rho Sigma Kappa.

Admission to the Safety and Honors Program is based on:

1. Support of an Honors Committee consisting of the full-time tenure-track Safety faculty members. Students accepted into the Safety Honors Program will participate in research projects sponsored by Safety faculty or complete two graduate safety courses (one per semester).
2. Completion of, or enrollment in, all SOHAS OR CSS Core Courses. Final admission requires successful completion of those Safety courses enrolled in at the time of application for admission to the Honors Program, typically during the summer of their senior year.
3. Qualified candidates may complete the Safety Honors Program via two separate tracks.
 - a. **Honors Research Track**
 - i. Complete eight credits of SAFE-491 Honors Research during the two semesters of the senior year. These credits may be in lieu of or in addition to Safety Elective credits used to fulfill the requirements for the Safety major.
 - ii. At the end of the senior year, to graduate with the distinction of Honors in Safety, each participant in the Honors Research Track:
 - Submits a final written report (or publication-ready document) on the Honors work for approval by their Honors Committee.
 - Presents the results of their work and responds to questions about the project and its relationship to the safety profession at a college-wide research event.
 - iii. Immediately following the project presentation, the student's Honors Committee votes on whether or not to accept the Honors project
 - iv. Students are encouraged to apply for applicable undergraduate research grant funding.
 - b. **Advanced Study Track**
 - i. Complete two 600-level Safety courses, one from the Fall scheduled and one from the spring schedule. Safety Honors students are limited to two Graduate level classes and may enroll in one for a semester. Undergraduate students who successfully complete two 600-level Safety courses totaling

8 credits, with a minimum grade of B, will not be required to repeat those courses if they enroll in the Graduate program.

Code	Title	Credits	Completed
Courses Available for Honors Enrollment			
Select two of the following - one per semester:		8	_____
SAFE-601	Current Issues in Safety		_____
SAFE-602	Best Practices in Safety		_____
SAFE-603	Applied Occupational Health		_____
SAFE-604	Leading Safety Change		_____
SAFE-605	Safety Management Systems		_____
SAFE-610	Risk and Safety		_____

Students successfully completing all facets of the Honors Program and having an average of 3.00 overall and 3.4 in Safety Studies will graduate with Honors in Safety.

Electives

Select additional courses of your choice to bring total number of credits earned to 120.

Degree Requirements

120 credits

40 credits at upper level

Upon completion of the Safety Occupational Health Applied Science B.S. degree, students will be able to:

- Identify contemporary safety issues and solve applied science problems through their knowledge of mathematics and science.
- Design and conduct experiments, as well as analyze and interpret data.
- Formulate or design a system process or program to meet identified outcomes.
- Communicate well and contribute toward the goals of multi-disciplinary teams.
- Demonstrate an understanding of the impact of solutions from a global and societal context.
- Reflect on personal performance to address a range of professional and ethical responsibilities.
- Demonstrate knowledge of techniques and skills required to use technical and scientific tools.