

B.S. in Safety Management

The Bachelor of Science in Safety Management is designed to prepare students to address safety challenges in dynamic regulatory environments. This program is ideal for active-duty military personnel, industry researchers, managers, safety specialists, and individuals with no prior safety and health background who are interested in entering the field.

At the **Worldwide Campus**, the B.S. in Safety Management program is designed to provide students with the knowledge and skills to operate as competent leaders, managers, and practitioners in safety management. Students will develop technical understanding and expertise and a practical and analytical approach to problem solving that will allow them to address industry-related safety challenges in both the public and private sectors.

The Safety Management program is a Board of Certified Safety Professionals (BCSP) Qualified Academic Program (QAP), meeting rigorous standards and offering a curriculum aligned with the Associate Safety Professional (ASP) designation.

Graduates are awarded the Graduate Safety Practitioner (GSP) designation, placing them on the path toward Certified Safety Professional (CSP) certification.

Students may also apply for the Associate Safety and Health Manager (ASHM) credential through the Institute of Hazardous Materials Management (IHMM), streamlining the path to the Certified Safety and Health Manager (CSHM) certification.

The bachelor's degree in Safety Management is an approved Category I – AU-ABC program and appears in the Air Force Virtual Education Center (AFVEC) for selection.

Program-Level Student Learning Outcomes

Students will:

- Have an ability to identify, formulate, and solve broadly-defined technical or scientific problems by applying knowledge of mathematics and science and/or technical topics to areas relevant to the discipline.
- Have an ability to communicate effectively with a range of audiences.
- Have an ability to develop and conduct experiments or test hypotheses, analyze, and interpret data and use scientific judgment to draw conclusions.
- Have an ability to formulate or design a system, process, procedure, or program to meet desired needs.
- Have an ability to understand ethical and professional responsibilities and the impact of technical and/or scientific solutions in global, economic, environmental, and societal contexts.
- Have an ability to function effectively on teams that establish goals, plan tasks, meet deadlines, and analyze risk and uncertainty.

Worldwide Program Requirements

General Education Requirements	33
Core Requirements	52
Specified Electives	18
Open Electives and/or Choose Minor	18
Total Credits	121

Program Details

The Bachelor of Science in Safety Management requires successful completion of a minimum of 121 credit hours. Students enrolled in the Worldwide Undergraduate Online program may complete the degree in 20 terms, or approximately four years, assuming full-time enrollment

and continuous progress. Students pursuing this undergraduate degree must earn a minimum cumulative grade point average (CGPA) of 2.00 for all work completed at the University. The courses required to earn this degree are listed below.

Students should be aware that many courses have prerequisites and/or corequisites. Students are responsible for ensuring that all prerequisite and degree requirements are satisfied prior to enrollment in advanced coursework. The suggested plan of study is provided as a guide. A student's actual plan of study may vary based on term of admission, course availability, transfer credit, and other academic considerations. Students should consult with their academic advisor to develop an individualized plan of study.

Students must complete 18 credit hours of approved Safety Management electives selected from Safety Management (SFTY), Emergency Management (EMGY), and approved safety-related Security (SCTY), Emergency Services (ESVS), and Homeland Security (HLSC) courses. In consultation with their academic advisor, students may also use elective coursework to complete an approved Worldwide minor while satisfying degree requirements.

General Education Requirements

Communication	9
COMM 122 English Composition	
Any Communication above COMM 106	
Any Communication above COMM 106	
Social Sciences - Lower Level	6
Humanities - Lower Level	3
Humanities/Social Sciences - Upper Level	3
Computer Science/Information Technology	3
Mathematics	6
Physical/Life Sciences	3
Total Credits	33

Core Requirements

SFTY 201	Introduction to Occupational Safety and Health	3
SFTY 205	Principles of Accident Investigation	3
SFTY 311	Occupational Safety and Health	3
SFTY 315	Environmental Compliance and Safety	3
SFTY 321	Occupational Ergonomics I	3
SFTY 326	System Safety	3
SFTY 355	Industrial Hygiene and Toxicology	3
SFTY 365	Fire Protection	3
SFTY 426	System Safety Management	3
SFTY 441	Construction Safety and Health	3
SFTY 451	Loss Control and Insurance	3
EMGY 310	Fundamentals of Emergency Management	3
EMGY 405	Disaster Policy and Management	3
STAT 222	Business Statistics	3
CHEM 110	General Chemistry I	3
CHEM 110L	General Chemistry I Laboratory	1
RSCH 202	Introduction to Research Methods	3
SFTY 491	Applications of Safety Management Capstone	3
Total Credits		52

Specified Electives

Select Safety Management Courses (SFTY, EMGY, safety related SCTY, ESVS, HLSC)	18
Total Credits	18

Open Electives and/or Choose Minor

Open Electives and/or Minor	18
Total Credits	18

Suggested Plan of Study

Year One

Requirements	Credits
COMM 122 - English Composition	3
Mathematics	3
Semester Hours	6

Requirements	Credits
Communication above COMM 106	3
Mathematics	3
Semester Hours	6

Requirements	Credits
STAT 222 - Business Statistics	3
RSCH 202 - Introduction to Research Methods	3
Semester Hours	6

Requirements	Credits
Social Sciences - Lower Level	3
Computer Science/Information Technology	3
Semester Hours	6

Requirements	Credits
Social Sciences - Lower Level	3
Physical/Life Sciences	3
Semester Hours	6

Total Credits

Total Hours for All Requirements: 30

Year Two

Requirements	Credits
Humanities - Lower Level	3
Communication above COMM 106	3
Semester Hours	6

Requirements	Credits
Humanities/Social Sciences - Upper Level	3
CHEM 110 - General Chemistry I	3
CHEM 110L - General Chemistry I Laboratory	1
Semester Hours	7

Requirements	Credits
SFTY 201 - Introduction to Occupational Safety and Health	3
SFTY 311 - Occupational Safety and Health	3
Semester Hours	6

Requirements	Credits
EMGY 310 - Fundamentals of Emergency Management	3

SFTY 205 - Principles of Accident Investigation	3
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Semester Hours	6
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Requirements	Credits
SFTY 315 - Environmental Compliance and Safety	3
SFTY 321 - Occupational Ergonomics I	3
Semester Hours	6

Total Credits

Total Hours for All Requirements: 31

Year Three

Requirements	Credits
SFTY 326 - System Safety	3
SFTY 355 - Industrial Hygiene and Toxicology	3
Semester Hours	6

Requirements	Credits
SFTY 365 - Fire Protection	3
EMGY 405 - Disaster Policy and Management	3
Semester Hours	6

Requirements	Credits
SFTY 441 - Construction Safety and Health	3
Specified Elective (Recommended SFTY 463)	3
Semester Hours	6

Requirements	Credits
Specified Elective	3
Specified Elective	3
Semester Hours	6

Requirements	Credits
Open Elective	3
Open Elective	3
Semester Hours	6

Total Credits

Total Hours for All Requirements: 30

Year Four

Requirements	Credits
SFTY 426 - System Safety Management	3
SFTY 451 - Loss Control and Insurance	3
Semester Hours	6

Requirements	Credits
Specified Elective	3
Specified Elective	3
Semester Hours	6

Requirements	Credits
Specified Elective	3
Open Elective	3
Semester Hours	6

Requirements	Credits
Open Elective	3
Open Elective	3
Semester Hours	6

Requirements	Credits
Open Elective	3
SFTY 491 - Applications of Safety Management Capstone	3
Semester Hours	6

Total Credits

Total Hours for All Requirements: 30

Estimated Cost of Attendance

Estimated Cost of Attendance: California Student Information (<https://catalog.erau.edu/student-life/student-affairs/california-student/>)