

Bachelor of Science in Occupational Safety and Health

Admission Requirements

Complete the Application and Admission Requirements for Baccalaureate Programs (<http://catalog.uaa.alaska.edu/academicpoliciesprocesses/admissions/undergraduate/>).

Advising

Meet with an advisor to complete the advising interview checklist. Students must contact the OSH department at (907) 786-6423 prior to registering for OSH courses.

Graduation Requirements

- Satisfy the General University Requirements for Baccalaureate Degrees (<http://catalog.uaa.alaska.edu/undergraduateprograms/baccalaureaterequirements/>).
- Complete the General Education Requirements for Baccalaureate Degrees (<http://catalog.uaa.alaska.edu/undergraduateprograms/baccalaureaterequirements/ger/>).
- In order to receive the Bachelor of Science in Occupational Safety and Health, students must achieve a minimum grade of C in all courses required for the degree.
- Complete the following major requirements:

Code	Title	Credits
Foundational Courses		
AKNS A201	Alaska Native Perspectives ¹	3
Complete one of the following:		3-4
BIOL A100	Human Biology	
BIOL A102	Introductory Biology ¹	
BIOL A111 & A111L	Human Anatomy and Physiology I and Human Anatomy and Physiology I Lab ¹	
CHEM A103	Introduction to General Chemistry ¹	3
CHEM A103L	Introduction to General Chemistry Laboratory ¹	1
JPC A362	Principles of Strategic Communications	3
JPC A104	Media Literacy ¹	3
MATH A151	College Algebra for Calculus ¹	4
WRTG A212	Writing and the Professions	3
Complete one of the following:		3
PHIL A303	Environmental Ethics	
PHIL A305	Professional Ethics ¹	
PHYS A123	College Physics I ¹	3
Complete one of the following		3

PSY A111	Introduction to Psychology ¹	
PSY A200	Introduction to Behavior Analysis ¹	
STAT A200	Elementary Statistics ¹	3
TECH A305	Applied Leadership for Technicians	3
Core Courses		
FIRE A105	Fire Prevention	3
OSH A101	Introduction to Occupational Safety and Health	3
OSH A108	Industrial Safety	3
OSH A111	Occupational Safety Training Needs and Methods	3
OSH A120	Safety Program Management and Recordkeeping	3
OSH A160	Fundamentals of Industrial Hygiene	3
OSH A201	Hazard Control: Inspections, Audits and Investigations	3
OSH A211	Safety Management Systems	4
OSH A215	Environmental Issues for Safety and Health Professionals	3
OSH A230	Principles of Ergonomics	3
OSH A240	Workplace Monitoring: Instrumentation and Calibration	3
OSH A250	Hazardous Materials Operations	3
OSH A305	Incident Investigation and Analysis	3
OSH A310	Human Factors	3
OSH A360	Industrial Hygiene for the Safety Professional	3
OSH A375	Process Safety Management	3
OSH A405	Construction Industry Safety Management	3
OSH A420	Legal Aspects of Safety	3
OSH A450	Risk Management for Safety and Health	3
Complete 9 credits of electives		9
OSH A390	Selected Topics in Occupational Safety and Health	
OSH A495	Advanced Occupational Safety and Health Internship	
Capstone		
OSH A460	Economic Value of Safety	3
Total		108-109

¹ May satisfy General Education Requirements (GERs).

A total of 120 credits is required for the degree, of which 39 must be upper-division.

Program Student Learning Outcomes

- Anticipate, recognize, evaluate, and develop control strategies for hazardous conditions and unsafe work practices.
- Apply the fundamental aspects of occupational safety: industrial hygiene, environmental science, fire science, hazardous materials, ergonomics and human factors.
- Design, implement, and evaluate safety, health, and environmental programs.
- Apply adult learning theory to the design and delivery of safety training programs.
- Interpret and apply applicable standards, regulations, and codes.
- Conduct incident/accident investigations and analyses.
- Evaluate and apply business and risk management concepts.