

Associate of Applied Science in Occupational Safety and Health

The Associate of Applied Science (AAS) in Occupational Safety and Health prepares students for employment as safety professionals in a variety of industries, including construction, petroleum, mining, tourism, and government agencies.

Program coursework includes hazardous materials, safety training methods, ergonomics, industrial hygiene, injury prevention, epidemiology, Occupational Safety and Health Administration (OSHA) standards, and safety program management and record keeping.

Admission Requirements

- Complete the Admission Requirements for Associate Degrees. (<http://catalog.uaa.alaska.edu/academicpoliciesprocesses/admissions/undergraduate/>)

Graduation Requirements

- Complete the General University Requirements for Associate Degrees (<http://catalog.uaa.alaska.edu/undergraduateprograms/aasrequirements/>).
- Complete the General Education Requirements for Associate of Applied Science Degrees (<http://catalog.uaa.alaska.edu/undergraduateprograms/aasrequirements/generaleducationrequirements/>).
- For the Quantitative Skills requirement choose MATH A151 or higher.
- Complete the following major requirements with a minimum grade of C:

Code	Title	Credits
Core Courses		
BIOL A100 or BIOL A102 or BIOL A111 & A111L	Human Biology Introductory Biology Human Anatomy and Physiology I and Human Anatomy and Physiology I Lab	3-4
FIRE A105	Fire Prevention	3
MATH A151	College Algebra for Calculus (or higher MATH course from the Quantitative Skills GER list)	4
OSH A101	Introduction to Occupational Safety and Health	3
OSH A108	Industrial Safety (Or advisor approved course)	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
Electives		
Complete 3 credits from the following:		3
OSH A390	Selected Topics in Occupational Safety and Health	
TECH A295	Technical Internship	
Advisor approved course		
Total		47-48

A minimum of 60 credits is required for the degree.

Program Student Learning Outcomes

Students graduating with an Associate of Applied Science in Occupational Safety and Health will be able to:

- Recognize, evaluate and recommend control strategies for common hazardous conditions and unsafe work practices.
- Describe the fundamental aspects of occupational safety: industrial hygiene, environmental science, fire science, hazardous materials and ergonomics.
- Develop safety, health and environmental programs.
- Apply adult learning theory to safety training methodologies.
- Identify and apply applicable safety and health standards.