

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 of Applied Science 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 |

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| 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

- 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.