



STUDENT LEARNING OUTCOMES SAFETY, HEALTH, AND ENVIRONMENTAL AWARENESS CERTIFICATE

The Safety, Health & Environmental Awareness certificate develops entry level skills in industrial safety, health, and environmental awareness. Courses combine the technical know-how, use of state-of-the-art equipment, and hands-on experience necessary for students to obtain work in a variety of safety-related fields to include accident investigation, monitoring and enforcement of codes, ergonomics, and Occupational Safety Health Administration (OSHA) requirements. Combining the requirements as set forth by the Board of Certified Safety Professionals with the skills learned in this program, students will be able to qualify to take an entry-level Associate Safety Professional Exam.

Learning outcomes for graduates of the CTC-UAF Safety, Health, and Environmental Awareness Certificate program:

1. Each graduate will understand the importance of maintaining a safe workplace. In addition, the graduate will understand that safety standards must be maintained in compliance with regulatory requirements and within engineering limits. Upon completion of the program, he/she will be able to create a job safety analysis (JSA) for a given work project, and will be able to describe the appropriate OSHA regulations that apply.
2. Each graduate will demonstrate an understanding of workplace injury prevention, risk management, and incident investigations.
3. Each graduate will understand the role of safety in the business community. Graduates will demonstrate knowledge of safety recordkeeping and management, and the role of the safety manager.
4. Each graduate will understand the acute and chronic health effects of exposures to chemical, physical and biological agents in the workplace. Graduates will demonstrate knowledge of different types of exposure and biological effects, exposure guidelines and basic workplace monitoring
5. Each graduate will understand the policies, procedures and equipment needed to deal with hazardous materials. Graduates will demonstrate knowledge of the types of hazards, planning, organization and training needed to work safely with hazardous materials.

6. Each graduate will pass a practice test (75% or higher) to determine their readiness to take the Board of Certified Safety Professionals (BCSP) Occupational Health Safety Technologist (OHST) exam. Passing the official test is the first step to receiving the nationally recognized OHST credential.
7. Each graduate will meet expected outcomes in communications, computation, and human relations, per the University General requirements.