

# CURRICULUM STANDARD

Effective Term  
Fall 2003  
[2003\*03]

Curriculum Program Title

**Environment, Health, and Safety Technology**

Code

**A50160**

Concentration

**(not applicable)**

## *Curriculum Description*

The Environment Health and Safety Technology curriculum prepares students for employment in the fields of industrial hygiene, occupational safety, and environmental technology. The program is designed to provide students with a strong education in the practices and applicable regulations relevant to occupational and environmental safety.

Course work includes industrial hygiene, OSHA regulations, EPA regulations, environmental liability, and incident management.

Graduates should qualify for occupational safety or environmental safety technician positions in industrial, research, health care, and institutional facilities. Students may qualify to take the Associate Safety Professional or Certified Safety Professional examinations.

## *Curriculum Requirements\**

- I. General Education.** Degree programs must contain a minimum of 15 semester hours including at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. Degree programs must contain a minimum of 6 semester hours of communications. Diploma programs must contain a minimum of 6 semester hours of general education; 3 semester hours must be in communications. General education is optional in certificate programs.
- II. Major Hours.** AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work experience, including cooperative education, practicums, and internships, may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit. (*See second page for additional information.*)
- III. Other Required Hours.** A college may include courses to meet graduation or local employer requirements in a certificate, diploma, or associate in applied science program. These curriculum courses shall be selected from the Combined Course Library and must be approved by the System Office prior to implementation. Restricted, unique, or free elective courses may not be included as other required hours.

	<b>AAS</b>	<b>Diploma</b>	<b>Certificate</b>
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
<b>Total Semester Hours Credit in Program</b>	<b>64-76</b>	<b>36-48</b>	<b>12-18</b>

\*Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic use of computers.

## *Major Hours*

- A. Core.** The subject/course core is comprised of subject areas and/or specific courses which are required for each curriculum program. A diploma program offered under an approved AAS program standard or a certificate which is the highest credential level awarded under an approved AAS program standard must include a minimum of 12 semester hours credit derived from the subject/course core of the AAS program.
- B. Concentration** (*if applicable*). A concentration of study must include a minimum of 12 semester hours credit from required subjects and/or courses. The majority of the course credit hours are unique to the concentration. The required subjects and/or courses that make up the concentration of study are in addition to the required subject/course core.
- C. Other Major Hours.** Other major hours must be selected from prefixes listed on the curriculum standard. A maximum of 9 semester hours of credit may be selected from any prefix listed, with the exception of prefixes listed in the core or concentration. Work experience, including cooperative education, practicums, and internships, may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit.

### **Environment, Health, and Safety Technology A50160**

	<b>AAS</b>	<b>Diploma</b>	<b>Certificate</b>
<b>Minimum Major Hours Required</b>	<b>49 SHC</b>	<b>30 SHC</b>	<b>12 SHC</b>
<b>A. CORE</b>	<b>34 SHC</b>	<b>NR</b>	
<b>Required Courses:</b> EHS 111 Occupational Safety and Engineering 5 SHC EHS 112 Industrial Hygiene 5 SHC EHS 114 OSHA Regulations 4 SHC EHS 116 Environmental Management 4 SHC EHS 211 Environmental Health and Toxicology 5 SHC EHS 212 Industrial Hygiene Sampling 4 SHC EHS 215 Incident Management 4 SHC EHS 218 Occupational Ergonomics 3 SHC  <b>Required Subject Areas:</b> None			
<b>B. CONCENTRATION</b> ( <i>Not applicable</i> )			
<b>C. OTHER MAJOR HOURS</b> <i>To be selected from the following prefixes:</i>  BIO, BUS, CHM, CIS, COE, CSC, EHS, ENV, EPT, FIP, HEA, ISC, and LEX  <i>Foreign language courses (including ASL) that are not designated as approved other major hours may be included in all programs up to a maximum of 3 semester hours of credit.</i>			