

# ENVIRONMENTAL HEALTH AND SAFETY - A.A.S.

College of Applied and Technical Studies  
www.kent.edu/cats

## About This Program

The Associate of Applied Science degree in Environmental Health and Safety provides students with the knowledge to work in a number of career areas in business and industry.

## Contact Information

- College of Applied and Technical Studies: cats@kent.edu | 330-672-2864
- Speak with an Advisor
  - East Liverpool Campus
  - Trumbull Campus
- Chat with an Admissions Counselor

## Program Delivery

- **Delivery:**
  - In person
- **Location:**
  - East Liverpool Campus
  - Trumbull Campus

## Examples of Possible Careers and Salaries\*

### Calibration technologists and technicians and engineering technologists and technicians, except drafters, all other

- 2.1% slower than the average
- 91,600 number of jobs
- \$64,190 potential earnings

### Environmental engineering technologists and technicians

- 7.5% faster than the average
- 18,500 number of jobs
- \$51,630 potential earnings

### Environmental science and protection technicians, including health

- 8.4% much faster than the average
- 34,700 number of jobs
- \$46,850 potential earnings

\* Source of occupation titles and labor data comes from the U.S. Bureau of Labor Statistics' Occupational Outlook Handbook. Data comprises projected percent change in employment over the next 10 years; nation-wide employment numbers; and the yearly median wage at

which half of the workers in the occupation earned more than that amount and half earned less.

## Admission Requirements

The university affirmatively strives to provide educational opportunities and access to students with varied backgrounds, those with special talents and adult students who graduated from high school three or more years ago.

Kent State campuses at Ashtabula, East Liverpool, Geauga, Salem, Stark, Trumbull and Tuscarawas, and the Twinsburg Academic Center, have open enrollment admission for students who hold a high school diploma, GED or equivalent.

Some programs may require that students meet certain requirements before progressing through the program. For programs with progression requirements, the information is shown on the Coursework tab.

For more information on admissions, contact the Regional Campuses admissions offices.

## Program Requirements

### Major Requirements

Code	Title	Credit Hours
<b>Major Requirements (courses count in major GPA)</b>		
EVHS 10004	TOXICOLOGY	3
EVHS 10010	INDUSTRIAL HYGIENE I	4
EVHS 20001	ENVIRONMENTAL LAW	3
EVHS 20004	ENVIRONMENTAL HEALTH AND SAFETY I	3
EVHS 20008	ENVIRONMENTAL SAFETY ADMINISTRATION	3
EVHS 20092	ENVIRONMENTAL TECHNOLOGY INTERNSHIP I (ELR)	3
PH 10001 or EVHS 10001	INTRODUCTION TO PUBLIC HEALTH <sup>1</sup> ENVIRONMENTAL TECHNOLOGY I	3
PH 30007	PREVENTION AND CONTROL OF DISEASES	3
<b>Additional Requirements (courses do not count in major GPA)</b>		
BSCI 10001 or BSCI 10110	HUMAN BIOLOGY (KBS) BIOLOGICAL DIVERSITY (ELR) (KBS) (KLAB)	3
BSCI 10120	BIOLOGICAL FOUNDATIONS (ELR) (KBS) (KLAB)	4
CHEM 10050 or CHEM 10055	FUNDAMENTALS OF CHEMISTRY (KBS) MOLECULES OF LIFE (KBS)	3
GEOG 17063	WORLD GEOGRAPHY (DIVG) (KSS)	3
ESCI 11040 or ESCI 11042 or ESCI 21062	HOW THE EARTH WORKS (KBS) EARTH AND LIFE THROUGH TIME (KBS) ENVIRONMENTAL EARTH SCIENCE (KBS)	3
IT 11000	INTRODUCTION TO OFFICE PRODUCTIVITY APPS	3
MATH 10041	INTRODUCTORY STATISTICS (KMCR)	4
UC 10001	FLASHES 101	1
Major Electives, choose from the following:		6
EVHS 21010	INDUSTRIAL HYGIENE II	
EVHS 22095	SPECIAL TOPICS IN ENVIRONMENTAL HEALTH AND SAFETY	
EVHS 30002	ENVIRONMENTAL ISSUES II	
EVHS 30020	HAZARDOUS WASTE OPERATIONS AND EMERGENCY RESPONSE	
EVHS 40006	FIRE PREVENTION AND CONTROL	
	120-Hour Firefighter State Certificate <sup>2</sup>	

240-Hour Firefighter State Certificate <sup>2</sup>	
Ohio Peace Officer Training Academy Certification <sup>2</sup>	
Kent Core Composition	3
Kent Core Humanities and Fine Arts	3
<b>Minimum Total Credit Hours:</b>	<b>61</b>

<sup>1</sup> Students who plan to pursue the Bachelor of Science in Public Health degree should take PH 10001.

<sup>2</sup> Credit for certification will be awarded after successful completion of all program coursework (49 credit hours).

## Graduation Requirements

Minimum Major GPA	Minimum Overall GPA
2.000	2.000

## Roadmap

This roadmap is a recommended semester-by-semester plan of study for this major. However, courses designated as critical (!) must be completed in the semester listed to ensure a timely graduation.

Semester One		Credits
BSCI 10001	HUMAN BIOLOGY (KBS)	3
or	or BIOLOGICAL DIVERSITY (ELR) (KBS) (KLAB)	
BSCI 10110		
EVHS 10001	ENVIRONMENTAL TECHNOLOGY I	3
or PH 10001	or INTRODUCTION TO PUBLIC HEALTH	
EVHS 10004	TOXICOLOGY	3
IT 11000	INTRODUCTION TO OFFICE PRODUCTIVITY APPS	3
UC 10001	FLASHES 101	1
Kent Core Requirement		3
<b>Credit Hours</b>		<b>16</b>

Semester Two		Credits
EVHS 10010	INDUSTRIAL HYGIENE I	4
GEOG 17063	WORLD GEOGRAPHY (DIVG) (KSS)	3
MATH 10041	INTRODUCTORY STATISTICS (KMCR)	4
EVHS 20001	ENVIRONMENTAL LAW	3
Kent Core Requirement		3
<b>Credit Hours</b>		<b>17</b>

Semester Three		Credits
BSCI 10120	BIOLOGICAL FOUNDATIONS (ELR) (KBS) (KLAB)	4
CHEM 10050	FUNDAMENTALS OF CHEMISTRY (KBS)	3
or	or MOLECULES OF LIFE (KBS)	
CHEM 10055		
ESCI 11040	HOW THE EARTH WORKS (KBS)	3
or	or EARTH AND LIFE THROUGH TIME (KBS)	
ESCI 11042	or ENVIRONMENTAL EARTH SCIENCE (KBS)	
or		
ESCI 21062		
EVHS 20004	ENVIRONMENTAL HEALTH AND SAFETY I	3
EVHS 20008	ENVIRONMENTAL SAFETY ADMINISTRATION	3
<b>Credit Hours</b>		<b>16</b>

Semester Four		Credits
EVHS 20092	ENVIRONMENTAL TECHNOLOGY INTERNSHIP I (ELR)	3
PH 30007	PREVENTION AND CONTROL OF DISEASES	3

Major Electives	6
<b>Credit Hours</b>	<b>12</b>
<b>Minimum Total Credit Hours:</b>	<b>61</b>

## University Requirements

All students in an applied or technical associate degree program at Kent State University must complete the following university requirements for graduation.

**NOTE:** University requirements may be fulfilled in this program by specific course requirements, please see Program Requirements for details.

Code	Title	Credit Hours
Flashes 101 (UC 10001)		1
	Course is not required for students with 30+ transfer credits (excluding College Credit Plus) or age 21+ at time of admission.	
Kent Core (see table below)		15
<b>Total Credit Hour Requirement</b>		<b>60</b>
Some associate degrees require students to complete more than 60 credit hours.		

## Kent Core Requirements

Kent Core Composition (KCMP)	3
Kent Core Mathematics and Critical Reasoning (KMCR)	3
Kent Core Humanities and Fine Arts (KHUM/KFA)	3
Kent Core Social Sciences (KSS)	3
Kent Core Basic Sciences (KBS/KLAB)	3
<b>Total Credit Hours:</b>	<b>15</b>

## Program Learning Outcomes

Graduates of this program will be able to:

1. Demonstrate knowledge required of an environmental technologist.
2. Understand core concepts in select biological and chemical sciences.
3. Master the basic skills necessary for environmental investigation and be knowledgeable in designing, collecting data and analyzing results of investigations.
4. Use oral and written expression to clearly communicate technical concepts.
5. Grow in intellectual ability, enhance problem-solving knowledge and attain higher level reasoning skills for advanced study or work in the environmental sciences.