

ENVIRONMENTAL, HEALTH AND SAFETY TECHNOLOGY

Note: Select option (a) or (b) before beginning this program.

Code	Title	Credit Hours
EHST-1301	Introduction to Environmental Technology	3
EHST-1310	Introduction to Environmental Law	4
MATH-1240	Contemporary Mathematics ¹	3
Select one of the following:		3
ENG-1010	College Composition I	
ENG-101H	Honors College Composition I	
Select one of the following:		3
IT-1090	Computer Applications	
IT-109H	Honors Computer Applications	
EHST-1351	Safety and Health in the Workplace: OSHA 30 General Industry, OSHA 10 Construction, First Aid/CPR	3
DEGR-XXXX	General Elective (See list below)	
Select one of the following:		4
BIO-1050 & BIO-105L	Human Biology and Human Biology Laboratory ^{3,5}	
BIO-1060 & BIO-106L	Environment, Ecology, and Evolution and Environment, Ecology, & Evolution Laboratory ^{4,5}	
Select one of the following:		4
CHEM-1010	Introduction to Inorganic Chemistry ⁵	
CHEM-101H	Honors Introduction to Inorganic Chemistry	
EHST-1360	Fuandamentals of OSHA Compliance ((Option A)) ⁷	2
EHST-2341	Hazardous Material Transportation	2
EHST-2361	Environmental Sampling and Analysis ⁸	4
Select one of the following:		2
EHST-2352	Evacuation and Emergency Planning ((Option A)) ⁷	
EHST-1330	Hazardous Waste Operations and Emergency Response (Option B) ⁷	
Select one of the following:		3-4
BADM-2330	Human Resource Management ((Option A))	
PSY-1050	Introduction to Industrial/Organizational Psychology ((Option B))	
ESCI-1410 & ESCI-141L	Physical Geology and Lab in Physical Geology (Option B)	
Select one of the following:		3
COMM-1000	Fundamentals of Interpersonal Communication	
COMM-1010	Fundamentals of Speech Communication	
COMM-101H	Honors Speech Communication	
EHST-2390	Solid and Hazardous Waste Management	3
EHST-2941	Field Experience	1-4
EHST-2991	Professional Practice	3

DEGR-xxxx	General Elective course (See Recommended List Below)	3
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Select one of the following:

EHST-2221	Introduction to Safety and Health Management ⁷	
EHST-2380	Risk Assessment	

Select one of the following:

ENG-1020	College Composition II ⁹	3
ENG-102H	Honors College Composition II	
ENG-2151	Technical Writing	

- ¹ MATH-1410 Elementary Probability and Statistics I or higher recommended for students planning to transfer.
- ² EHST-135A Safety and Health in the Workplace: OSHA 30 General Industry and EHST-135B Safety and Health in the Workplace OSHA 10 Construction together equal EHST-1351 Safety and Health in the Workplace: OSHA 30 General Industry, OSHA 10 Construction, First Aid/CPR. Course contains embedded training modules and issues training certificates independent of program.
- ³ Recommended for students in Option A.
- ⁴ Recommended for students in Option B.
- ⁵ BIO-1500 Principles of Biology I will be accepted in place of BIO-1050 Human Biology/BIO-105L Human Biology Laboratory or BIO-1060 Environment, Ecology, and Evolution/BIO-106L Environment, Ecology, & Evolution Laboratory .
- ⁶ CHEM-1300 General Chemistry I/ CHEM-130L Honors General Chemistry I or CHEM-130H Honors General Chemistry I will be accepted in place of CHEM-1010 Introduction to Inorganic Chemistry.
- ⁷ Course contains embedded training modules and issues training certificates independent of program.
- ⁸ EHST-236A Environmental Sampling and Analysis andEHST-236B Industrial Hygiene together equal EHST-2361 Environmental Sampling and Analysis.
- ⁹ ENG-1020 College Composition II is recommended for students planning to transfer.

Options

(A) Option A (Environmental, Health and Safety Management)

Code	Title	Credit Hours
EHST-1360	Fuandamentals of OSHA Compliance	2
EHST-2352	Evacuation and Emergency Planning	2
EHST-2221	Introduction to Safety and Health Management	2

Select one of the following:

BADM-2330	Human Resource Management	3
PSY-1050	Introduction to Industrial/Organizational Psychology	

Additional program courses 52-55

Total Credit Hours 61-64

(B) Option B (Environmental Field Technology)

Code	Title	Credit Hours
EHST-1330	Hazardous Waste Operations and Emergency Response	2
ESCI-1410	Physical Geology	3

ESCI-141L	Lab in Physical Geology	1
EHST-2380	Risk Assessment	2
Additional program courses		52-55
Total Credit Hours		60-63

Electives

Recommended for students planning to transfer into a four year degree program.

Code	Title	Credit Hours
BIO-1500	Principles of Biology I	4
BIO-1510	Principles of Biology II	4
CHEM-1300	General Chemistry I	4
CHEM-130H	Honors General Chemistry I	5
CHEM-130L	Honors General Chemistry I	1
CHEM-1310	General Chemistry II	4
CHEM-131H	Honors General Chemistry II	5
CHEM-131L	General Chemistry Laboratory II	1
ECON-2000	Principles of Microeconomics	3
ECON-2010	Principles of Macroeconomics	3
GEOG-1030	Environmental Geography	3
MATH-1410	Elementary Probability and Statistics I	3
MATH-1530	College Algebra	4
PSY-1010	General Psychology	3
UST-1020	Urban Geography	3

Recommended electives for students Pursuing Option A: Safety Technology

Code	Title	Credit Hours
BIO-2500	Microbiology	4
BADM-1460	Workers' Compensation Law	3
BADM-2330	Human Resource Management	3
CNST-1510	Green Building & Sustainability I	3
EET-1161	Direct Current Circuits	3
ISET-1410	Applied Electricity I	3
MET-1230	Drawing & AutoCAD	3
MET-1240	Machine Tools and Manufacturing Processes	3
PSY-1050	Introduction to Industrial/Organizational Psychology	3
POL-2020	Introduction to Conflict and Peace Studies	3

Recommended electives for students pursuing Option B: Environmental Field Technology

Code	Title	Credit Hours
BIO-1300 or PST-1300	Horticultural Botany	3
BIO-2150	Environmental Science	3
CNST-1410	Architectural CAD I	3
CNST-1731	Construction Print Reading	3

CNST-1740	Fundamentals of Geographic Information Science	3
CNST-2131	Construction Methods and Materials	3
CNST-2210	Mechanical and Electrical Systems	3
EET-1195	Unmanned Aerial Vehicles	3
ESCI-151L	Lab in Historical Geology	1
ESCI-1510	Historical Geology	3

Related Degrees and Certificates

- Environmental, Health and Safety Technology, Associate of Applied Science (<http://catalog.tri-c.edu/programs/environmental-health-safety-technology-aas>)
- Environmental, Health and Safety Technology, Post-Degree Professional Certificate (<http://catalog.tri-c.edu/programs/environmental-health-safety-technology-post-degree-professional-certificate>)

Training and Credentials

- Exemplar Global Certified/Plexus ISO 9001: 2015 Lead Auditor Training (<http://catalog.tri-c.edu/programs/exemplar-global-certified-plexus-iso-9001-2015-lead-auditor-training>)