

# Environmental Engineering (EVET)

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## Environmental Engineering Technology (EVET)

Environmental issues affect our health and our communities, as well as the sustainability of future generations and the earth itself. Environmental concerns directly affect the operations of all types of industries, including parks and forest services, transportation, chemical facilities, defense and energy, construction, and, of course, environmental services. Graduates of the Environmental Engineering Technology program enter positions in a wide range of industries, environmental restoration sites, government agencies, laboratories, consulting firms, and conservation districts. All curriculum courses, except cooperative education courses, meet Ohio Environmental Protection Agency requirements for license renewal (U.S. EPA External Provider).

The Environmental Engineering Technology program is accredited by the Engineering Technology Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, phone: (410) 347-7700.

## Environmental Engineering Technology—Water and Wastewater Major (EVETW)

The Water and Wastewater major emphasizes water and wastewater treatment, and the operation and design of water and wastewater treatment facilities. Courses focus on biological, physical, and chemical treatment processes; collection and distribution systems; calculations for water and wastewater personnel, safety, and statistics; and quality assurance and control.

Graduates of the Environmental Engineering Technology—Water and Wastewater major program work at municipal water and wastewater treatment plants; industrial wastewater treatment facilities; federal, state, and local government agencies; private civil and environmental engineering consulting firms; and water and wastewater analytical labs. All curriculum courses, except cooperative education courses, meet Ohio Environmental Protection Agency requirements for license renewal (U.S. EPA External Provider).

The Environmental Engineering Technology—Water and Wastewater major is a pathway to the Environmental Engineering Technology degree accredited by the Engineering Technology Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, phone (410) 347-7700.

## Environmental Engineering Technology—Stormwater Management Major (EVETS)

The Environmental Engineering Technology—Stormwater major prepares students to apply emerging technologies related to stormwater control. As water quality regulations become more stringent, environmental engineers must gain knowledge of stormwater management practices, including methods for targeting specific pollutants of concern in order to maximize overall benefits to the watershed of interest. Courses focus on environmental mapping, watershed management, stormwater management technologies, and restoration ecology. The program also stresses effective application of various stormwater management practices.

The Environmental Engineering Technology—Stormwater major is a pathway to the Environmental Engineering Technology degree accredited by the Engineering Technology Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, phone (410) 347-7700.

## Environmental Safety and Security Certificate (EVETSC)

The Environmental Safety and Security Certificate develops skills that are used in fields associated with protecting the nation during natural disaster, war, or terrorist attack. These career areas include disaster preparedness, utilities safety and security, transportation safety and security, law enforcement, and research. Additionally, graduates of this certificate program can help prepare staff members who ensure the safety of personnel in business, government, and educational organizations.

## Environmental Engineering Technology (EVET)

All degree-seeking students must complete a First Year Experience (FYE) course as part of the first 12 credit hours taken at Cincinnati State.

Semester 1	Lec	Lab	Credits
ENG 101	English Composition 1		3
EVT 105	Environmental Sampling		3
EVS 110	Environmental Science: Conservation and Cleanup		4
CHE 110	Fundamentals of Chemistry		4
MAT 125	Algebra and Trigonometry		4
<b>Semester 2</b>			
MAT 126	Functions and Calculus		4
EVT 150	Environmental Chemistry		3

PHY 151	Physics 1: Algebra and Trigonometry-Based	4
EVT 160	Solid and Hazardous Waste Management	3
EVT 170	Water and Wastewater Treatment and Analysis	4
<b>Semester 3</b>		
XXX XXX Cooperative Education Elective		2
<b>Semester 4</b>		
ENG 10X English Composition Elective		3
EVS 120	Environmental Geology	4
EVT 140	Environmental Regulations and Permits	2
EVT 220	Air Pollution Control	3
EVT 230	Treatment Technologies	3
EVT 240	Fluid Mechanics	3
<b>Semester 5</b>		
EVT 292	Full-Time Cooperative Education 2: Environmental Engineering Technology	2
<b>Semester 6</b>		
COMM 110	Public Speaking	3
EVT 155	Site Mapping and GIS	3
EVT 180	Environmental Statistics	2
XXX XXX Humanities/Social Sciences Elective 1		3
XXX XXX Humanities/Social Sciences Elective 2		3
XXX XXX Technical Elective		2
Total Credits:		74

## Electives

### Cooperative Education Elective

Select one of the following:

CIT 190 & EVT 191	Career Preparation: Engineering and Information Technologies and Part-Time Cooperative Education 1: Environmental Engineering Technology
CIT 190 & EVT 291	Career Preparation: Engineering and Information Technologies and Full-Time Cooperative Education 1: Environmental Engineering Technology

### English Composition Elective

ENG 102	English Composition 2: Contemporary Issues	3
ENG 103	English Composition 2: Topics in Literature	3
ENG 104	English Composition 2: Technical Communication	3
ENG 105	English Composition 2: Business Communication	3

### Humanities/Social Sciences Electives

Any ART, CRJ, CULT, ECO, FRN, GEO, HST, LIT, MUS, PHI, POL, PSY, REL, SOC, SPN, THE

### Technical Elective

Any CET, CMT, EVS, EVT, LH, or other courses approved by Program Chair

## Environmental Engineering Technology—Water and Wastewater Major (EVETW)

All degree-seeking students must complete a First Year Experience (FYE) course as part of the first 12 credit hours taken at Cincinnati State.

Semester 1	Lec	Lab	Credits
ENG 101	English Composition 1		3
EVT 105	Environmental Sampling		3
EVS 110	Environmental Science: Conservation and Cleanup		4
CHE 110	Fundamentals of Chemistry		4
MAT 125	Algebra and Trigonometry		4
<b>Semester 2</b>			
MAT 126	Functions and Calculus		4
EVT 150	Environmental Chemistry		3
PHY 151	Physics 1: Algebra and Trigonometry-Based		4
EVT 16X Calculations for Operators Elective			3
EVT 170	Water and Wastewater Treatment and Analysis		4
<b>Semester 3</b>			
XXX XXX Cooperative Education Elective			2
<b>Semester 4</b>			
ENG 10X English Composition Elective			3
EVT 140	Environmental Regulations and Permits		2
EVT 185	Supervisory Management in Environmental Fields		2
EVT 215	Utilities Safety and Security		2
EVT 230	Treatment Technologies		3
EVT 240	Fluid Mechanics		3
EVT 24X Operations of Treatment Plants Elective			3
<b>Semester 5</b>			
EVT 292	Full-Time Cooperative Education 2: Environmental Engineering Technology		2
<b>Semester 6</b>			
COMM 110	Public Speaking		3
EVT 155	Site Mapping and GIS		3
EVT 180	Environmental Statistics		2
EVT 250	Water Collection and Distribution Systems		3
XXX XXX Humanities/Social Sciences Elective 1			3
XXX XXX Humanities/Social Sciences Elective 2			3
Total Credits:	0	0	75

## Electives

### Cooperative Education Elective

Select one of the following:

CIT 190 & EVT 191	Career Preparation: Engineering and Information Technologies and Part-Time Cooperative Education 1: Environmental Engineering Technology
CIT 190 & EVT 291	Career Preparation: Engineering and Information Technologies and Full-Time Cooperative Education 1: Environmental Engineering Technology

**English Composition Elective**

ENG 102	English Composition 2: Contemporary Issues	3
ENG 103	English Composition 2: Topics in Literature	3
ENG 104	English Composition 2: Technical Communication	3
ENG 105	English Composition 2: Business Communication	3

**Calculations for Operators Elective**

EVT 165	Calculations for Water Operators	3
EVT 166	Calculations for Wastewater Operators	3

**Operations of Treatment Plants Elective**

EVT 245	Operation of Water Treatment Plants	3
EVT 246	Operation of Wastewater Treatment Plants	3

**Humanities/Social Sciences Electives**

Any ART, CRJ, CULT, ECO, FRN, GEO, HST, LIT, MUS, PHI, POL, PSY, REL, SOC, SPN, THE

**Environmental Engineering Technology—Stormwater Management Major (EVETS)**

All degree-seeking students must complete a First Year Experience (FYE) course as part of the first 12 credit hours taken at Cincinnati State.

<b>Semester 1</b>	<b>Lec</b>	<b>Lab</b>	<b>Credits</b>
ENG 101	English Composition 1		3
CHE 110	Fundamentals of Chemistry		4
MAT 125	Algebra and Trigonometry		4
EVS 110	Environmental Science: Conservation and Cleanup		4
EVT 105	Environmental Sampling		3
<b>Semester 2</b>			
EVT 150	Environmental Chemistry		3
EVT 170	Water and Wastewater Treatment and Analysis		4
EVT 175	Watershed Management		3
EVT 155	Site Mapping and GIS		3
MAT 126	Functions and Calculus		4
<b>Semester 3</b>			
XXX XXX Cooperative Education Elective			2
PHY 151	Physics 1: Algebra and Trigonometry-Based		4
<b>Semester 4</b>			
EVS 120	Environmental Geology		4
EVT 140	Environmental Regulations and Permits		2
EVT 225	Environmental Mapping		3
EVT 240	Fluid Mechanics		3
XXX XXX Technical Elective			2
ENG 10X English Composition Elective			3
<b>Semester 5</b>			
EVT 255	Stormwater Control Technologies		3
COMM 110	Public Speaking		3
EVT 235	Stormwater Management		3
XXX XXX Humanities/Social Science Elective 1			3
XXX XXX Humanities/Social Science Elective 2			3

**Semester 6**

EVT 292	Full-Time Cooperative Education 2: Environmental Engineering Technology	2
Total Credits:		75

**Electives****Cooperative Education Elective**

Select one of the following series:

CIT 190 & EVT 191	Career Preparation: Engineering and Information Technologies and Part-Time Cooperative Education 1: Environmental Engineering Technology	
CIT 190 & EVT 291	Career Preparation: Engineering and Information Technologies and Full-Time Cooperative Education 1: Environmental Engineering Technology	

**English Composition Elective**

ENG 102	English Composition 2: Contemporary Issues	3
ENG 103	English Composition 2: Topics in Literature	3
ENG 104	English Composition 2: Technical Communication	3
ENG 105	English Composition 2: Business Communication	3

**Technical Elective**

Any EVT, EVS, CIT, LH, or other course approved by Program Chair

**Humanities/Social Sciences Electives**

Any ART, CRJ, CULT, ECO, FRN, GEO, HST, LIT, MUS, PHI, POL, PSY, REL, SOC, SPN, THE

**Environmental Safety and Security Certificate (EVETSC)**

EVT 105	Environmental Sampling	3
EVT 160	Solid and Hazardous Waste Management	3
EVT 170	Water and Wastewater Treatment and Analysis	4
EVT 187	Materials Transportation Safety and Security	2
EVT 215	Utilities Safety and Security	2
EVT 220	Air Pollution Control	3
EVT 237	Environmental Impact of Weapons of Mass Destruction	2
EVT 247	Advanced Sampling and Analysis	2
EVT 257	Environmental Risk Assessment	2
Total Credits		23

**ENG Courses****ENG 100 English Principles: Grammar and Structure****3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A comprehensive review of writing principles for business and professional communication. Topics include: grammar, punctuation, word usage, and techniques for reviewing and revising various business-related documents.

Prerequisites: AFL 085 or appropriate placement test score

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=100subject\\_code=ENG](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=100subject_code=ENG))**ENG 101 English Composition 1****3 Credits. 3 Lecture Hours. 0 Lab Hour.**

An introduction to college writing focusing on understanding the writing process. Topics include: identifying audiences; developing a strong thesis; providing sufficient evidence for claims; and writing essays with grammatical, mechanical, and stylistic correctness.

Prerequisites: AFL 085 or appropriate placement test score

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=101subject\\_code=ENG](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=101subject_code=ENG))

**ENG 102 English Composition 2: Contemporary Issues**

**3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A continuation of ENG 101. Topics include: critical reasoning; argumentation; the research process and the research paper; and reading, synthesizing, and responding critically to policy-driven research.

Prerequisites: ENG 101

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=102subject\\_code=ENG](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=102subject_code=ENG))

**ENG 103 English Composition 2: Topics in Literature**

**3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A continuation of ENG 101. Topics include: critical reading, argumentation, the research process and the research paper; and reading, synthesizing, and responding critically to literature.

Prerequisites: ENG 101

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=103subject\\_code=ENG](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=103subject_code=ENG))

**ENG 104 English Composition 2: Technical Communication**

**3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A continuation of ENG 101. Topics include: audience analysis; planning, preparing, and revising technical and professional documents used for reference, persuasion, or instruction; using and reporting on research; and integrating visuals with text.

Prerequisites: ENG 101, and 8 credit hours in technical courses

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=104subject\\_code=ENG](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=104subject_code=ENG))

**ENG 105 English Composition 2: Business Communication**

**3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A continuation of ENG 101. Topics include: planning, preparing, and revising business documents such as formal and informal business letters, emails, proposals, and reports; and using and reporting on research.

Prerequisites: ENG 101

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=105subject\\_code=ENG](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=105subject_code=ENG))

**ENG 131 Creative Writing: Poetry**

**3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A workshop-oriented poetry writing course. Topics include: the invention process, revision, poetic form, and critical response to works of literature and student work.

Prerequisites: 6 Credit Hours of English Composition

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=131subject\\_code=ENG](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=131subject_code=ENG))

**ENG 132 Creative Writing: Fiction**

**3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A workshop-oriented fiction writing course. Topics include: the invention process, revision, form of fiction, and critical response to works of literature and student work.

Prerequisites: 6 credit hours of English Composition

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=132subject\\_code=ENG](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=132subject_code=ENG))

**ENG 134 Creative Writing: Writing for Children**

**3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A workshop-oriented course on writing picture books, chapter books, and middle grade novels. Topics include: the invention process, revision, form of children's literature, and critical response to works of literature and student work.

Prerequisites: 6 credit hours of English Composition

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=134subject\\_code=ENG](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=134subject_code=ENG))

**ENG 198 First Year Special Topics in English**

**1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A course on selected topics related to English, which gives students opportunities to study information not currently covered in other courses. Grades issued are A, B, C, D, or F.

Prerequisites: Vary by section

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=198subject\\_code=ENG](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=198subject_code=ENG))

**ENG 199 First Year Independent Project in English****1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A project related to English that is completed by one or more students to meet specific educational goals. Projects must have prior approval and supervision by English faculty. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: Vary by section

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=199subject\\_code=ENG](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=199subject_code=ENG))

**ENG 205 Scriptwriting: Short****3 Credits. 2 Lecture Hours. 3 Lab Hours.**

A course on developing scripts for short form electronic media messages such as commercials and public service announcements. Topics include: analyzing audiences and products; applying basic concepts of marketing; conducting research; preparing copy platforms, scripts, and storyboards; and persuasively presenting concepts.

Prerequisites: 6 credits of English Composition (minimum grade C)

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=205subject\\_code=ENG](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=205subject_code=ENG))

**ENG 210 Scriptwriting: Long****3 Credits. 2 Lecture Hours. 3 Lab Hours.**

A course on developing scripts for long form electronic media messages such as instructional and promotional video and documentaries. Topics include: analyzing audiences and products; conducting research; preparing documentation, scripts, and storyboards; and persuasively presenting concepts.

Prerequisites: 6 credits of English Composition (minimum grade C)

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=210subject\\_code=ENG](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=210subject_code=ENG))

**ENG 215 Copywriting****3 Credits. 2 Lecture Hours. 3 Lab Hours.**

A course on developing promotional messages for print and online distribution. Topics include: analyzing audiences and products, conducting research, developing concepts, preparing copy platforms, selecting writing styles and formats, and designing materials.

Prerequisites: 6 credits of English Composition (minimum grade C)

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=215subject\\_code=ENG](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=215subject_code=ENG))

**ENG 230 Writing Online Content****3 Credits. 2 Lecture Hours. 3 Lab Hours.**

A course on developing content for websites and web-supported publishing such as blogs and e-newsletters. Topics include: analyzing audiences and goals, choosing writing styles, creating and revising content, and applying best practices for online and digital document design.

Prerequisites: 6 credits of English Composition (minimum grade C)

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=230subject\\_code=ENG](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=230subject_code=ENG))

**ENG 298 Second Year Special Topics in English****1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A course on selected topics related to English, which gives students opportunities to study information not currently covered in other courses. Grades issued are A, B, C, D, or F.

Prerequisites: Vary by section

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=298subject\\_code=ENG](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=298subject_code=ENG))

**ENG 299 Second Year Independent Project in English****1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A project related to English that is completed by one or more students to meet specific educational goals. Projects must have prior approval and supervision by English faculty. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: Vary by section

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=299subject\\_code=ENG](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=299subject_code=ENG))

**EVS Courses****EVS 110 Environmental Science: Conservation and Cleanup****4 Credits. 3 Lecture Hours. 2 Lab Hours.**

A course on environmental science as it affects human activity and the environment. Topics include: drinking water and wastewater treatment, air pollution, energy, conservation, solid and hazardous waste management, and risk assessment. Students provide transportation to off-campus field trips.

Prerequisites: AFL 085 or appropriate placement test score

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=110subject\\_code=EVS](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=110subject_code=EVS))

**EVS 120 Environmental Geology****4 Credits. 3 Lecture Hours. 2 Lab Hours.**

A course on the relationship of applied geology to the human environment. Topics include: plate tectonics, soils, groundwater and surface water, natural disasters and glacial geology, and resource protection from contamination. Students provide transportation to off-campus field trips.

Prerequisites: AFL 085 or appropriate placement test score

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=120subject\\_code=EVS](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=120subject_code=EVS))

**EVS 130 Environmental Science: Ecology and Ecosystems****4 Credits. 3 Lecture Hours. 2 Lab Hours.**

A course on environmental science and ecology. Topics include: types of ecosystems and how they function, elementary soil science, biodiversity, and population growth and sustainability. Students provide transportation to off-campus field trips.

Prerequisites: AFL 085 or appropriate placement test score

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=130subject\\_code=EVS](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=130subject_code=EVS))

**EVT Courses****EVT 105 Environmental Sampling****3 Credits. 2 Lecture Hours. 3 Lab Hours.**

A course on sampling requirements and techniques. Topics include: sampling groundwater, surface water, drums, sediments, soil, and air; site assessment; and field testing. Students provide transportation to off-campus field trips. Students who complete the course successfully earn a USEPA certificate.

Prerequisites: AFL 085, and AFM 095 or MAT 120, or appropriate placement test scores

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=105subject\\_code=EVT](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=105subject_code=EVT))

**EVT 115 OSHA 40-Hour Course****3 Credits. 2 Lecture Hours. 2 Lab Hours.**

A course on the OSHA-specific requirements under 29 CFR 1910.120 for 40-Hour Hazardous Waste Site Training. Topics include: avoiding injury on a hazardous waste site, and basic concepts for health and safety programs. Students who complete the course successfully earn a certificate.

Prerequisites: AFL 085 and AFM 095, or appropriate placement test scores

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=115subject\\_code=EVT](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=115subject_code=EVT))

**EVT 125 Restoration Ecology: Sustainable Sites****3 Credits. 2 Lecture Hours. 2 Lab Hours.**

A course on environmental design principles and sustainable development. Topics include: federal, state, and local issues and standards; and managing introduced, exotic, and invasive species. Students provide transportation to off-campus field trips.

Prerequisites: EVS 110 or EVS 130

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=125subject\\_code=EVT](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=125subject_code=EVT))

**EVT 135 Restoration Ecology: Rain Gardens****3 Credits. 2 Lecture Hours. 2 Lab Hours.**

A course on rain garden design and construction techniques that harvest rain water from local watersheds. Topics include: baseline analysis, site preparation, plant selection, and study of components in various ecoregions. Students provide transportation to off-campus field trips.

Prerequisites: EVS 110 or EVS 130

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=135subject\\_code=EVT](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=135subject_code=EVT))

**EVT 140 Environmental Regulations and Permits****2 Credits. 1 Lecture Hour. 2 Lab Hours.**

A course on federal, state, and local environmental laws with emphasis on related computer concepts and applications. Topics include: TSCA, FIFRA, OSHA, CAA, CWA, SDWA, CERCLA, and RCRA.

Prerequisites: EVS 110 and (ENG 101 or ENQ REQC)

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=140subject\\_code=EVT](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=140subject_code=EVT))

**EVT 145 Restoration Ecology: Native Vegetation****3 Credits. 2 Lecture Hours. 2 Lab Hours.**

A course on native trees, shrubs, and vines that have commercial value for sustainable use. Topics include: proven landscape species, their uses in the tri-state area, and invasive species of various ecoregions. Students provide transportation to off-campus field trips.

Prerequisites: EVS 110 or EVS 130

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=145subject\\_code=EVT](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=145subject_code=EVT))



**EVT 150 Environmental Chemistry****3 Credits. 2 Lecture Hours. 3 Lab Hours.**

A course on organic chemistry and chemical principles of environmental systems. Topics include: nomenclature, geochemistry, atmospheric chemistry, organic and inorganic air pollutants, toxicological chemistry, resources, energy, and analysis of environmental samples using chemical instrumentation.

Prerequisites: CHE 110 or CHE 121

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=150subject\\_code=EVT](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=150subject_code=EVT))

**EVT 155 Site Mapping and GIS****3 Credits. 2 Lecture Hours. 3 Lab Hours.**

A course on mapping techniques for the environmental field. Topics include: map concepts, coordinate systems, elevation contours, and terrain modeling. Course activities include manual drafting, basic principles of surveying, and an introduction to CAD and GIS software.

Prerequisites: MAT 125

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=155subject\\_code=EVT](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=155subject_code=EVT))

**EVT 158 Fundamentals of Industrial Hygiene****2 Credits. 1 Lecture Hour. 2 Lab Hours.**

A course on techniques for recognizing, evaluating, and controlling health and safety hazards in the workplace. Topics include: radiation safety, noise, solvents, biological hazards, and video display terminal (VDT) hazards.

Prerequisites: EVS 110

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=158subject\\_code=EVT](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=158subject_code=EVT))

**EVT 160 Solid and Hazardous Waste Management****3 Credits. 2 Lecture Hours. 3 Lab Hours.**

A course on concepts and techniques for solid and hazardous waste disposal facilities. Topics include: waste minimization, composting, recycling, and landfilling; principles and practices for storage, transport, treatment, and disposal of hazardous wastes; regulations and permits; and emerging technologies. Students provide transportation to off-campus field trips.

Prerequisites: EVS 110, and CHE 110 or CHE 121

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=160subject\\_code=EVT](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=160subject_code=EVT))

**EVT 165 Calculations for Water Operators****3 Credits. 2 Lecture Hours. 2 Lab Hours.**

A course on mathematical applications for water treatment plant processes including water sources and storage, coagulation and flocculation, sedimentation, filtration, chlorination, fluoridation, and softening. Topics include applied volume, flow, and velocity; chemical dosage; loading rates; detention and retention; and pumping.

Prerequisites: EVS 110 and MAT 125

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=165subject\\_code=EVT](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=165subject_code=EVT))

**EVT 166 Calculations for Wastewater Operators****3 Credits. 2 Lecture Hours. 2 Lab Hours.**

A course on calculations for wastewater treatment applications. Topics include: volumes, flow, and velocity; conversions; pumping and loading rates; F/M ratio; sludge age; MCRT; and efficiency.

Prerequisites: EVS 110 and MAT 125

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=166subject\\_code=EVT](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=166subject_code=EVT))

**EVT 168 Radiation Safety****2 Credits. 1 Lecture Hour. 2 Lab Hours.**

A course on radiation safety and protection. Topics include: the interaction of radiation with matter, biological effects, types of radioactivity, dosimetry, shielding calculations, and radiation measurements.

Prerequisites: EVS 110

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=168subject\\_code=EVT](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=168subject_code=EVT))

**EVT 170 Water and Wastewater Treatment and Analysis****4 Credits. 3 Lecture Hours. 3 Lab Hours.**

A course on scientific and engineering principles for water quality control. Topics include: environmental microbiology; bioremediation; microbes as indicators of pollution; and physical, chemical, and biological analysis. Students provide transportation to off-campus field trips.

Prerequisites: EVS 110, and CHE 110 or CHE 121

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=170subject\\_code=EVT](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=170subject_code=EVT))

**EVT 171 Environmental Mountain Ecology 1**

**2 Credits. 2 Lecture Hours. 0 Lab Hour.**

A course on principles of ecology and pollutant dispersion as they pertain to mountain ecosystems, and the environmental impact of human activities on mountain ecosystems.

Prerequisites: EVT 105 and EVS 120

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=171subject\\_code=EVT](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=171subject_code=EVT))

**EVT 172 Environmental Mountain Ecology 2**

**3 Credits. 1 Lecture Hour. 6 Lab Hours.**

A continuation of EVT 171. Students participate in field experience that includes a trip to the mountainous regions of the western United States. Students pay for travel-related expenses.

Prerequisites: EVT 171

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=172subject\\_code=EVT](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=172subject_code=EVT))

**EVT 175 Watershed Management**

**3 Credits. 2 Lecture Hours. 3 Lab Hours.**

A course on developing watershed action plans. Topics include: water quality monitoring, stream bank stabilization, flood management strategies, habitat restoration, and control of combined and sanitary sewer overflow. Students provide transportation to off-campus field trips.

Prerequisites: EVT 105, and CHE 110 or CHE 121

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=175subject\\_code=EVT](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=175subject_code=EVT))

**EVT 180 Environmental Statistics**

**2 Credits. 1 Lecture Hour. 2 Lab Hours.**

A course on statistical methods used in environmental pollution monitoring. Topics include: computer concepts and applications emphasizing environmental data.

Prerequisites: EVS 110 and MAT 125

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=180subject\\_code=EVT](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=180subject_code=EVT))

**EVT 185 Supervisory Management in Environmental Fields**

**2 Credits. 1 Lecture Hour. 2 Lab Hours.**

A course on concepts and practices of management as they apply to the environmental field. Topics include: problem solving, communication skills, delegation and motivation, unions, and manager-employee relationships.

Prerequisites: EVS 110 and ( ENG 101 or ENG REQC)

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=185subject\\_code=EVT](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=185subject_code=EVT))

**EVT 187 Materials Transportation Safety and Security**

**2 Credits. 1 Lecture Hour. 2 Lab Hours.**

A course on safety and security during the transport of hazardous substances. Topics include: Hazardous Materials Transportation Act, Resource Conservation and Recovery Act, Transportation Security Administration, aviation security, and shipping protocols. Students provide transportation to off-campus field trips.

Prerequisites: EVT 105

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=187subject\\_code=EVT](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=187subject_code=EVT))

**EVT 191 Part-Time Cooperative Education 1: Environmental Engineering Technology**

**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their first part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: None

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=191subject\\_code=EVT](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=191subject_code=EVT))

**EVT 192 Part-Time Cooperative Education 2: Environmental Engineering Technology**

**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their second part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: EVT 191

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=192subject\\_code=EVT](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=192subject_code=EVT))

**EVT 193 Part-Time Cooperative Education 3: Environmental Engineering Technology****1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their third part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: EVT 192

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=193subject\\_code=EVT](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=193subject_code=EVT))

**EVT 194 Part-Time Cooperative Education 4: Environmental Engineering Technology****1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their fourth part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: EVT 193

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=194subject\\_code=EVT](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=194subject_code=EVT))

**EVT 195 Part-Time Cooperative Education 5: Environmental Engineering Technology****1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their fifth part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: EVT 194

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=195subject\\_code=EVT](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=195subject_code=EVT))

**EVT 196 Part-Time Cooperative Education 6: Environmental Engineering Technology****1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their sixth part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: EVT 195

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=196subject\\_code=EVT](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=196subject_code=EVT))

**EVT 198 First Year Special Topics in Environmental Engineering Technology****1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A course on selected topics related to Environmental Engineering Technology, which gives students opportunities to study information not currently covered in other courses. Grades issued are A, B, C, D, or F.

Prerequisites: Instructor Approval

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=198subject\\_code=EVT](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=198subject_code=EVT))

**EVT 199 First Year Independent Project in Environmental Engineering Technology****1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A project related to Environmental Engineering Technology that is completed by one or more students to meet specific educational goals. Projects must have prior approval and supervision by Environmental Engineering Technology faculty. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: Instructor Approval

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=199subject\\_code=EVT](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=199subject_code=EVT))

**EVT 210 Industrial Waste Treatment****2 Credits. 1 Lecture Hour. 2 Lab Hours.**

A course on the responsibilities of the industrial wastewater treatment plant operator. Topics include: the activated sludge process, physical-chemical treatment, instrumentation, industrial waste monitoring, waste treatment processes, and maintenance.

Prerequisites: EVT 170

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=210subject\\_code=EVT](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=210subject_code=EVT))

**EVT 215 Utilities Safety and Security****2 Credits. 1 Lecture Hour. 2 Lab Hours.**

A course on the safety and security of the utility systems in the United States in the event of natural disasters or terrorist or wartime attack. Topics include: protection of drinking water systems, wastewater treatment systems, and energy supplies.

Prerequisites: EVT 170

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=215subject\\_code=EVT](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=215subject_code=EVT))

**EVT 220 Air Pollution Control****3 Credits. 2 Lecture Hours. 3 Lab Hours.**

A course on monitoring permitting and control of air releases. Topics include: air quality management, health and environmental effects, indoor air pollution, pollen and mold counts, control and sampling equipment, stack testing, and data analysis. Students provide transportation to off-campus field trips.

Prerequisites: EVT 150

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=220subject\\_code=EVT](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=220subject_code=EVT))

**EVT 225 Environmental Mapping****3 Credits. 2 Lecture Hours. 2 Lab Hours.**

A course on mapping and resource inventory for the environmental field. Topics include: map projections, world coordinates, watershed delineation, GIS data analysis and queries, and remote sensing. Students use conventional surveying and GPS equipment for data collection, and computer mapping CAD and GIS software for data analysis.

Prerequisites: EVT 155

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=225subject\\_code=EVT](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=225subject_code=EVT))

**EVT 230 Treatment Technologies****3 Credits. 2 Lecture Hours. 2 Lab Hours.**

A course on principles and applications of mainstream treatment technologies used to prevent, monitor, and control pollution from industries and government facilities. Topics include: physical, chemical, thermal, and biological treatment methods. Students provide transportation to off-campus field trips.

Prerequisites: EVT 170

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=230subject\\_code=EVT](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=230subject_code=EVT))

**EVT 235 Stormwater Management****3 Credits. 2 Lecture Hours. 2 Lab Hours.**

A course on the infrastructure of stormwater control. Topics include: surface water hydrology, historical development of drainage control, FEMA and local flood design criteria and control methods, storm sewers, open channel, culvert conveyance, detention systems and calculations, and post-construction BMPs.

Prerequisites: EVT 225 and EVT 240

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=235subject\\_code=EVT](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=235subject_code=EVT))

**EVT 237 Environmental Impact of Weapons of Mass Destruction****2 Credits. 1 Lecture Hour. 2 Lab Hours.**

A course on understanding weapons of mass destruction and recovery following an attack. Topics include: chemical and biological warfare agents; radiation dispersal devices; and detection, decontamination, and disposal of these agents. Students provide transportation to off-campus field trips.

Prerequisites: EVT 105 and EVT 170

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=237subject\\_code=EVT](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=237subject_code=EVT))

**EVT 240 Fluid Mechanics****3 Credits. 2 Lecture Hours. 3 Lab Hours.**

A course on engineering properties of fluids including fluid flow, buoyancy, and stability. Topics include Bernoulli's equation and the energy equation; Reynold's number; energy losses; and series, parallel, and open channel flow.

Prerequisites: PHY 151 and MAT 126

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=240subject\\_code=EVT](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=240subject_code=EVT))

**EVT 245 Operation of Water Treatment Plants****3 Credits. 2 Lecture Hours. 2 Lab Hours.**

A course on efficient operation of water treatment plants that helps students prepare for certification exams. Topics include: proper installation, inspection, operation, maintenance, repair, and management of water treatment plants; corrosion control; control of trihalomethanes; and water sample analysis.

Prerequisites: EVT 165

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=245subject\\_code=EVT](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=245subject_code=EVT))

**EVT 246 Operation of Wastewater Treatment Plants****3 Credits. 2 Lecture Hours. 2 Lab Hours.**

A course on efficient operation of wastewater treatment plants that helps students prepare for certification exams. Topics include: start-up, daily operations, interpretation of lab results, and possible approaches to solving operational problems.

Prerequisites: EVT 166

View Sections ([http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course\\_number=246subject\\_code=EVT](http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=246subject_code=EVT))

**EVT 247 Advanced Sampling and Analysis****2 Credits. 1 Lecture Hour. 2 Lab Hours.**

A course on sampling equipment and methods used to evaluate hazards after natural disasters. Topics include: equipment and instruments used to detect biological and chemical warfare agents. Students provide transportation to off-campus field trips.

Prerequisites: EVT 105 and EVT 170

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=247subject\\_code=EVT](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=247subject_code=EVT))

**EVT 250 Water Collection and Distribution Systems****3 Credits. 2 Lecture Hours. 2 Lab Hours.**

A course on operating and controlling water delivery and wastewater collection systems. Topics include: gravity and pumped lines; storage and holding tanks; pumps; system monitoring, repair, and rehabilitation; water system depressurization; backflow prevention; metering; sewer overflows; and gaseous buildup.

Prerequisites: EVT 240

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=250subject\\_code=EVT](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=250subject_code=EVT))

**EVT 255 Stormwater Control Technologies****3 Credits. 2 Lecture Hours. 2 Lab Hours.**

A course on best practices in stormwater management including design, installation, construction, and maintenance. Topics include: porous pavements, subsurface infiltration, bioretention basins, wetlands, soil bioengineering, and cost effectiveness of methods. Students provide transportation to off-campus field trips.

Prerequisites: EVT 225

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=255subject\\_code=EVT](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=255subject_code=EVT))

**EVT 257 Environmental Risk Assessment****2 Credits. 1 Lecture Hour. 2 Lab Hours.**

A course that utilizes risk assessment methods to evaluate and manage danger in the event of chemical, biological, or radiological exposure. Topics include: operational risk management approaches, and understanding toxicological values. Students provide transportation to off-campus field trips.

Prerequisites: EVT 160 and EVT 220

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=257subject\\_code=EVT](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=257subject_code=EVT))

**EVT 291 Full-Time Cooperative Education 1: Environmental Engineering Technology****2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their first full-time field learning experience related to their degree. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: None

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=291subject\\_code=EVT](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=291subject_code=EVT))

**EVT 292 Full-Time Cooperative Education 2: Environmental Engineering Technology****2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their second full-time field learning experience related to their degree. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: EVT 291

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=292subject\\_code=EVT](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=292subject_code=EVT))

**EVT 293 Full-Time Cooperative Education 3: Environmental Engineering Technology****2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their third full-time field learning experience related to their degree. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: EVT 292

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=293subject\\_code=EVT](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=293subject_code=EVT))

**EVT 294 Internship 1: Environmental Engineering Technology****2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their first unpaid field learning experience related to their degree. Students must follow applicable policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CIT 190

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=294subject\\_code=EVT](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=294subject_code=EVT))

**EVT 295 Internship 2: Environmental Engineering Technology**

**2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their second unpaid field learning experience related to their degree. Students must follow applicable policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: EVT 294

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=295subject\\_code=EVT](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=295subject_code=EVT))

**EVT 298 Second Year Special Topics in Environmental Engineering Technology**

**1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A course on selected topics related to Environmental Engineering Technology, which gives students opportunities to study information not currently covered in other courses. Grades issued are A, B, C, D, or F.

Prerequisites: Instructor Approval

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=298subject\\_code=EVT](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=298subject_code=EVT))

**EVT 299 Second Year Independent Project in Environmental Engineering Technology**

**1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A project related to Environmental Engineering Technology that is completed by one or more students to meet specific educational goals. Projects must have prior approval and supervision by Environmental Engineering Technology faculty. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: Instructor Approval

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=299subject\\_code=EVT](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=299subject_code=EVT))