



## Environmental

### Program Goals Statement

This program provides students with a broad understanding of the environment and current environmental issues. Students utilize their knowledge of water resources, environmental regulations, sampling techniques, and hazardous materials to prepare for state licensure examinations and entry-level environmental technician positions.

### Program Information

- The Environmental Technology concentration is an interdisciplinary program which allows students to utilize their knowledge in science, mathematics, engineering, and written and oral communication.
- Laboratories provide students with hands-on training on skills and instrumentation utilized on the job.
- Field trips offer students the opportunity to see various facilities and meet with personnel currently working in various environmental technology positions.
- Internships provide students with the opportunity to explore careers in their chosen areas and network with area professionals.

### After Bristol

- Graduates work as Water Treatment Plant Operators or Wastewater Treatment Plant Operators working for municipalities or private contract operations companies
- Graduates work for private Environmental Consulting Firms and as Environmental Technicians in various industrial areas.

### Infused General Education Competencies

Oral Communication

**Program:** Engineering Technology  
**Type:** Associate in Science

### Campus

**Campus:**  
Fall River



## General Courses

Course #	Title	Credits
CSS 101	College Success Seminar	1
ENG 101	Composition I: College Writing	3
ENG 102	Composition II: Writing about Literature	3
HST 114	United States History from 1877	3

## Elective Courses – choose one Global Awareness course

Course #	Title	Credits
ART 105	Survey of Art History I: Ancient through Renaissance Art	3
ART 106	Survey of Art History II: Modern Art	3
SOC 101	Principles of Sociology	3
SOC 212	The Sociology of Social Problems	3
SOC 252	The Sociology of Human Relations	3

## Elective Courses - Choose one Humanities course

Humanities elective: See General Education Competency Courses for Humanities course listings (ARC 201, COM 101, COM 114, COM 118, PHL 115, or modern language recommended)

Course #	Title	Credits
	Humanities Elective	3

## Core Courses

CED 101: Student may choose CED 210 as Technical elective

Course #	Title	Credits
CAD 101	Computer Aided Drafting	3
INT 101	Work-Based Experience	1
CHM 120	Environmental Chemistry	4
EGR 141	Introduction to Environment	3
EGR 183	Energy Efficiency and Conservation Measures	3
EGR 244	Basic Drinking Water Treatment	4
EGR 245	Hazardous Waste/Waste Management	4
GIS 101	Introduction to Geographic Information Systems	3
GIS 102	Applications of Geographic Information Systems	3



## Choose one of the following

Course #	Title	Credits
EGR 102	Introduction to Sustainable and Green Energy Technologies	3
EGR 103	Computer Skills for Engineers and Technicians	3

## Core Electives – Choose three of the following

Technical Elective: Any CAD, EGR, GLG or SCI

Course #	Title	Credits
INT 110	Internship Experience	2
INT 220	Internship Experience II	3
MTH 214	Calculus I	4
	Technical Elective	3
	Technical Elective	3
	Technical Elective	3

## Math Courses

The MTH 152 and MTH 172 sequence is for students with adequate mathematics preparedness and interested in transfer after BCC.

Course #	Title	Credits
MTH 152	College Algebra	3
MTH 172	Precalculus with Trigonometry	4

## Choose one of the following

Course #	Title	Credits
CHM 111	General College Chemistry	4
CHM 113	Fundamentals of Chemistry I	4
CHM 115	Health Science Chemistry I	4

## Suggested Technical Electives - Water Treatment

Course #	Title	Credits
GLG 101	Introduction to Physical Geology	4
EGR 140	OSHA 40-Hour Hazardous Waste Operations and Emergency Response (HAZWOPER)	3
EGR 151	Electrical Machinery	3
SCI 112	Principles of Ecology	4



## Suggested Technical Electives - Wastewater Treatment

Environmental Tech (General): EGR 140, GLG 101, SCI 112

Hazardous Waste: EGR 140, GLG 101, EGR 241/p>

Course #	Title	Credits
GLG 101	Introduction to Physical Geology	4
SCI 112	Principles of Ecology	4
GLG 101	Introduction to Physical Geology	4
EGR 151	Electrical Machinery	3
EGR 140	OSHA 40-Hour Hazardous Waste Operations and Emergency Response (HAZWOPER)	3
EGR 241	Clean Water Technology I	4
EGR 242	Clean Water Technology II	4

## Recommended Course Sequence - Semester 1

Course #	Title	Credits
CSS 101	College Success Seminar	1
ENG 101	Composition I: College Writing	3
CHM 111	General College Chemistry	4
CHM 113	Fundamentals of Chemistry I	4
CHM 115	Health Science Chemistry I	4
MTH 152	College Algebra	3
EGR 102	Introduction to Sustainable and Green Energy Technologies	3
EGR 103	Computer Skills for Engineers and Technicians	3
EGR 141	Introduction to Environment	3

## Recommended Course Sequence - Semester 2

Course #	Title	Credits
CAD 101	Computer Aided Drafting	3
CHM 120	Environmental Chemistry	4
ENG 102	Composition II: Writing about Literature	3
MTH 172	Precalculus with Trigonometry	4

## Recommended Course Sequence - Summer

Summer courses will reduce fall and spring semester course loads. HST 114, Humanities Elective, Global Awareness Elective.



## Recommended Course Sequence - Semester 3

Course #	Title	Credits
EGR 183	Energy Efficiency and Conservation Measures	3
EGR 245	Hazardous Waste/Waste Management	4
GIS 101	Introduction to Geographic Information Systems	3
HST 114	United States History from 1877	3
	Humanities Elective	3
	Global Awareness Elective	3

## Recommended Course Sequence - Semester 4

Course #	Title	Credits
INT 101	Work-Based Experience	1
INT 110	Internship Experience	2
EGR 244	Basic Drinking Water Treatment	4
GIS 102	Applications of Geographic Information Systems	3
	Global Awareness Elective	3
	Humanities Elective	3
	Technical Elective	3
	Technical Elective	3
<b>Total credits:</b>		<b>67-71</b>