

ENVIRONMENTAL SCIENCE FIELD TRANSFER OPTION – M031
A.S. in Environmental Science

Contact: Jamie Laurin, 413-552-2523, jlaurin@hcc.edu

COURSE TITLE	COURSE NUMBER	PREREQUISITES	CREDITS	SEMESTER TAKEN	GRADE
GENERAL EDUCATION REQUIREMENTS			20		
Language and Literature I	ENG 101	Appropriate score on Placement Tests, or C- or better in ENG 097 and ENG 098, or C- or better in ENG 096 or ENG 099	3		
Language and Literature II	ENG 102	ENG 101	3		
General Chemistry I or Principles of Chemistry I or Inorganic Chemistry I (Fall)	CHM 101 CHM 113 CHM 121		4		
General Chemistry II or Principles of Chemistry II or Inorganic Chemistry II (Spring)	CHM 102 CHM 114 CHM 124	CHM 101, CHM 113, or CHM 121 CHM 113 or equivalent. High School Algebra I or equivalent recommended. CHM 113 or CHM 121	4		
Social Science Elective (B)			3		
State and Local Government (B)	POL 120		3		
PROGRAM REQUIREMENTS ¹			46-48		
Principles of Environmental Science I(Fall)	ENV 120		4		
Environmental Geology	ENV 137		4		
Soil and the Environment	ENV 138		4		
Principles of Environmental Science II (Spring)	ENV 140		4		
Environmental Seminar I (Spring)	ENV 115		1		
Environmental Seminar II (Spring)	ENV 202	ENV 115	1		
Principles of Environmental Site Assessment (Spring)	ENV 230	ENV 120, ENV 140, ENV 137 concurrently	3		
Aquatic Ecology and Pollution (Fall)	ENV 253	One semester of environmental science or biology	4		
Mapping with Geographic Information Systems	ENV 125		3		
American Environmental History (C) (Spring)	HIS 225		3		
Humanities Electives (C) ²			3		
Humanities Electives (C) ²			3		
Math Electives ³			3-4		
Math Electives ³			3-4		
Social Science Elective (B)			3		
Total Credits			66-68		

PROGRAM OVERVIEW

The Environmental Science and Technology Transfer Option (MO31) is focused on providing a strong foundation in environmental science and equipping the student for an efficient transfer to a 4-year institution by fulfilling the Massachusetts statewide transfer policy known as MassTransfer. Graduates of the program are trained in a wide spectrum of sophisticated technical procedures used in the laboratory and the field. They are exposed to a broad knowledge base in air quality, surface water and groundwater quality, hazardous waste technologies and computer applications like geographic information systems (GIS). As a result, such individuals are highly organized and have strong comprehension and communication skills. Through this expansive knowledge base, graduates are astute problem solvers which are an essential element in the assessment and protection of the environment.

NOTES:

¹ Students must achieve a minimum grade of “C” in all ENV prefix courses in order to graduate from these options. Students receiving less than a “C” grade in these courses are placed on probation until they retake the courses for a grade of “C” or better.

² Students planning to transfer to four year institutions should contact the Transfer Counselor.

³ Students should choose one of the following course sequences with the advice and consent of an Environmental Science advisor based on results of the Mathematics Placement Examination and individual career goals: MTH 104 and 108; MTH 108 and 142; MTH 113 and MTH 114.

This program qualifies for MassTransfer, which guarantees credit transfer to Massachusetts state colleges universities. MassTransfer also will grant students automatic acceptance to certain state colleges and universities by achieving the minimum grade point average and the HCC degree.