

ENVIRONMENTAL SCIENCE (AS)

Catalog Effective Term: Fall 2024

Program Code: ASENV5

Credential: Associate in Science

High Demand Occupation, High Skill Occupation, High Wage Occupation

This program is designed to prepare students to deal with environmental issues and concerns from a global point of view. Students will focus on physical and natural science as well as understanding the social science perspective. The program integrates biology, chemistry and geology and leads to an associate in science degree which should transfer to four-year institutions following the MTA guidelines. Students will have first-hand lab experiences studying environmental problems from a scientific perspective as well as proposing and implementing solutions to sustainability. The program prepares students for careers in resource management, waste management, sustainability, environmental consultation and other related fields.

Minimum Credits Required for the Program: 60

Course	Title	Credits
First Semester		
ENV 101	Introduction to Environmental Science	4
GEO 101	World Regional Geography	3
MTH 160	Basic Statistics (or any math level 4 or higher course)	4
Writing Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#writing)		3-4
Credits		14-15
Second Semester		
BIO 161	General Biology I Ecology and Evolution	4
ENV 105	Introduction to Environment and Society	3
GLG 114	Physical Geology	4
Speech/Comp. Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#writing)		3
Credits		14
Third Semester		
CEM 111	General Chemistry I ¹	4
PHL 241	Environmental Ethics	3
Arts/Human. Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#arthuma) ³		3
Soc. Sci. Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#socbehavsci) ²		3
Open Elective(s)		3
Credits		16
Fourth Semester		
GLG 276	Principles of Geographic Information Systems	3
Select one of the following:		4
BIO 162	General Biology II Cells and Molecules	
CEM 122	General Chemistry II	
PHY 111	General Physics I	
MTH 169	Intermediate Algebra	

Open Elective(s) to reach a minimum of 60 total credits. 9

Credits 16

Total Credits 60-61

¹ The prerequisite for this course may include a higher math level than those used in the program. See an advisor for assistance.

² Recommended Social Science courses: ANT 201 Introduction to Cultural Anthropology, ECO 110 Introduction to Economics, ECO 211 Principles of Economics I, HST 123 The Twentieth Century, HST 150 African American History, PLS 112 Introduction to American Government, SOC 100 Principles of Sociology, SOC 205 Race and Ethnic Relations or SOC 207 Social Problems

³ Recommended Arts and Humanities courses: ENG 181 African-American Literature, ENG 214 Literature of the Non-Western World, HUM 146 Mythology or HUM 175 Arts and Cultures of Islam