

# 2021-22 ACADEMIC PROGRAMS

## ENVIRONMENTAL SCIENCE (ASENVS)

### Associate in Science

The environmental science program is designed to prepare students to deal with environmental issues and concerns from a global point of view. Students will select from two tracks, one focusing on physical science and the other emphasizing the social science perspective. Please see the career module for more insight on which of these tracks would be best for you and your career goals. Both tracks integrate biology, chemistry and geology and lead to an Associate in Science degree which should transfer to 4-year institutions following the MACRAO and 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.

This is a **high demand, high skill** and **high wage** program as defined by the [Michigan Community College Network](#).

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#### Description

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.

#### Course Requirements

##### First Semester

Class	Title	Minimum Credits
ENV 101	Environmental Science I	4
GEO 101	World Regional Geography	3
Elective	MTH 160 or any math level 4 or higher course	4
Elective	Writing Elective(s)	3-4
Total		14

##### Second Semester

Class	Title	Minimum Credits
BIO 161	General Biology I Ecology and Evolution	4
GLG 114	Physical Geology	4
Elective	Speech/Comp. Elective(s)	3
Elective	Arts/Human. Elective(s)#	3
Total		14

##### Third Semester

Class	Title	Minimum Credits
CEM 111	General Chemistry I**	4
ENV 105	Introduction to Environment and Society	3
Elective	Soc. Sci. Elective(s)***	3
Elective	Arts/Human. Elective(s)#	3
Elective	Choose an elective	3
Total		16

##### Fourth Semester

Class	Title	Minimum Credits
GLG 276	Principles of Geographic Information Systems	3
ENV 174 or ENV 199	ENV Co-op Education I ENV Internship Education	1-3
Elective	Restricted Elective(s): BIO 162, CEM 122, PHY 111, or MTH 169 or higher math course.	4
Elective	Electives to reach a minimum of 60 credits.	8
Total		16

**Total Credits Required: 60**

#### Footnotes

#Recommended Arts and Humanities courses: ENG 181, ENG 214, HUM 146, HUM 175 or PHL 205.

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

\*\*\*Recommended Social Science courses: ANT 201, ECO 110, ECO 211, HST 123, HST 150, HST 235, HST 270, PLS 112, SOC 100, SOC 205 or SOC 207.

Accurate as of 05/18/2021 Information is subject to change without notice.

