



Environmental Technology A.A.S.

Curriculum Code: 0793

Effective: Fall 2020 – Summer 2025

Description

Environmental Technicians may work for environmental/engineering consulting firms, local or state regulatory agencies, manufacturers, recycling and waste management companies and local utility and public service (works) departments. They perform tasks such as environmental sample collection and monitoring, instrument calibration, report writing and data management. Environmental Technicians may help clients comply with governmental environmental standards, assist in field investigations, or work as a team member on a waste or contamination site. They use computer skills to work with environmental data as well as the concepts of chemistry, biology, meteorology, geology and hydrology to help professionals determine the movement and effects of environmental contaminants. Not all courses in this program transfer to all colleges. Students planning to transfer should see an academic advisor before enrolling in any course.

Contact Information

Contact the Science Department, Arts and Sciences Building, Room 255, telephone number 517-483-1092, or the Academic Advising Department, Gannon Building - StarZone, telephone number 517-483-1904.

General Education – Applied Degrees, Recommended Choices

(For the full list of options, see [General Education](#))

- English Composition – *Select one*
ENGL 121, Composition I, 4 credits / 4 billing hours
ENGL 131, Honors Composition I, 4 credits / 4 billing hours
- English Composition (second course)/Communications or Applied Communications – *Select one*
COMM 130, Fundamentals Public Speaking, 3 credits / 3 billing hours
ENGL 122, Composition II, 4 credits / 4 billing hours
ENGL 132, Honors Composition II, 4 credits / 4 billing hours
- Humanities and Fine Arts or Social Sciences or Applied Social Sciences – *Select one*
ECON 120, Power, Authority and Exchange, 4 credits / 4 billing hours
GEOG 200, World Regional Geography, 4 credits / 4 billing hours
HUMS 213, World Civilizations to 1600, 4 credits / 4 billing hours
PHIL 151, Intro to Logic & Critical Think, 4 credits / 4 billing hours
SOCL 120, Introduction to Sociology, 4 credits / 4 billing hours
- Mathematics or Applied Mathematics
Program of Study Required Courses will meet this requirement
- Natural Sciences Lab or Applied Science and Technology Lab
Program of Study Required Courses will meet this requirement

Program of Study Required Courses

Course Code	Course Title	Credit / Billing Hours
BIOL 127	Cell Biology	4 / 6
BIOL 210	Natural Resource Conservation	4 / 6
CHEM 151	General Chemistry Lecture I	4 / 4
CHEM 152	General Chemistry Lecture II	3 / 3
CHEM 161	General Chemistry Lab I	1 / 3
CHEM 162	General Chemistry Lab II	1 / 3
ENVR 131	Industrial Process Safety	3 / 3
GEOL 230	Environmental Geology	4 / 6
ISCI 245	S.T.E.M. Workplace Practices	4 / 6
MATH 121	Precalculus I	4 / 4
STAT 215	Intro to Probability and Stats	4 / 4

Program of Study Required Courses, Limited Choice – Select three or four courses.
For MSU transfer students choosing Chemistry, select both CHEM 182 and 192, plus two additional courses.

Course Code	Course Title	Credit / Billing Hours
CHEM 182	Introductory Organic Chemistry	3 / 3
CHEM 192	Intro Organic Chem Lab	1 / 3
CHEM 262	Quantitative Analysis	3 / 6
GEOL 221	Physical Geology	4 / 6
GSCI 110	Beginning ArcGIS	3 / 5
GSCI 120	Advanced ArcGIS	3 / 5
GSCI 210	Global Positioning Systems	3 / 4
PHYS 221	Introductory Physics I	4 / 6
POLS 120	American Political System	4 / 4
SCIN 287	Science Technology Internship	2-4 / 2-4

Program of Study Required Courses, Limited Choice - Biology – Select one

Course Code	Course Title	Credit / Billing Hours
BIOL 128	Organismal Biology	4 / 6
BIOL 203	Microbiology	3 / 3

Total Credit Hours

61-65 credits / 75-90 billing hours

Recommended Course Sequence

Semester I	Semester II
English Composition English Composition (second course)/ Communications or Applied Communications BIOL 127 CHEM 151 CHEM 161	CHEM 152 CHEM 162 ISCI 245 MATH 121

Semester III	Semester IV
Humanities and Fine Arts or Social Sciences or Applied Social Sciences BIOL 210 GEOL 230 STAT 215 Limited Choice	ENVR 131 Limited Choice Limited Choice Limited Choice Biology