



## Sustainability C.A.

Curriculum Code: 1487

Effective: Fall 2021 – Summer 2026

### Description

This certificate curriculum promotes entry-level technical knowledge, ethics, and rationale for a world view of sustainable practices in agriculture, alternative energy, business, construction, energy usage, natural resource management, and public policy. This certificate is for individuals seeking to enhance their employability by supplementing their existing credentials. Examples include those studying building trades or construction management seeking to implement sustainable building practices or students who hope to work in governmental and non-governmental agencies who intend to apply or advocate for sustainability.

### Contact Information

Contact the Science Department, Arts and Sciences Building, Room 3203, telephone number 517-483-1092, or the Academic Advising Department, Gannon Building – StarZone, telephone number 517-483-1904.

### Program of Study Required Courses

Course Code	Course Title	Credit / Billing Hours
CHEM 135	Chemistry in Society	4 / 5
ECON 201	Principles of Economics-Micro	4 / 4
ECON 202	Principles of Economics-Macro	4 / 4
GEOL 230	Environmental Geology	4 / 6
*MATH 115	Technical Math II	4 / 4
PHYS 200	Intro To Applied Physics	4 / 5

\*MATH 115 or higher

### Program of Study Required Courses, Limited Choice - Architecture – *Select one*

Course Code	Course Title	Credit / Billing Hours
ARCH 113	Materials & Methods of Constr.	4 / 6
ARCH 275	Sustainable Building Design	4 / 6

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

Course Code	Course Title	Credit / Billing Hours
BIOL 120	Environmental Science	4 / 6
BIOL 210	Natural Resource Conservation	4 / 6

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

Course Code	Course Title	Credit / Billing Hours
ENGL 121	Composition I	4 / 4
ENGL 124	Technical Writing	3 / 3

**Total Credit Hours**

35-36 credits / 43-44 billing hours

**Recommended Course Sequence**

Semester I	Semester II
ECON 201 MATH 115 Limited Choice – Architecture	CHEM 135 ECON 202 Limited Choice - English

Semester III
GEOL 230 PHYS 200 Limited Choice - Biology