

LANSING COMMUNITY COLLEGE

Liberal Arts

**Curriculum Code: 1487
(Effective Fall 2018 –
Summer 2023)**

Sustainability C.A. Pathway

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.

For More Information

Contact the Science Department, Arts and Sciences Building, Room 301, telephone number (517) 483-1092, or the Academic Advising Department, Gannon Building – StarZone, telephone number (517) 483-1904.

Semester I	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
ECON 201	Principles of Economics-Micro	Reading Level 5 and Math Level 4	4 / 4
MATH 115	Technical Math II	(Minimum 2.0 in MATH 114 within 2 years or Math Level 5 within 2 years) and Reading Level 5	4 / 4
Environmental Electives - <i>Select 1</i>			
ENVR 121	Environmental Rules and Regulations	Reading Level 5 and Writing Level 6 and Math Level 5	3 / 3
GEOL 230	Environmental Geology	Reading Level 5 and Writing Level 6 and Math Level 4	4 / 6
Credits			11-12 / 11-14
Semester II	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
CHEM 135	Chemistry in Society	Reading Level 5 and Writing Level 6 and (Math Level 4 or minimum 2.0 in MATH 105 or MATH 106)	4 / 5
ECON 202	Principles of Economics-Macro	ECON 201 or concurrently and Reading Level 5 and Math Level 4	4 / 4
ENGL 124	Technical Writing	Reading Level 5 and Writing Level 6 or (Reading Level 4 and Writing Level 4 and ENGL 099 concurrently)	3 / 3
Credits			11 / 12

Semester III	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
BIOL 120	Environmental Science	(Reading Level 5 or ENGL 099 concurrently) and Writing Level 6	4 / 6
PHYS 200	Intro To Applied Physics	Reading Level 5 and Writing Level 6 and (Math Level 5 or MATH 109 concurrently)	4 / 5
Living Spaces: Design and Construction Electives - <i>Select 1</i>			
ARCH 113	Materials & Methods of Constr.	Minimum 2.0 in (DCTM 102 or ELTE 102 or HVAC 102 or METS 102 or WELD 102 or concurrently) and Reading Level 4 and Writing Level 4	4 / 6
ARCH 275	Sustainable Building Design	Department Approval	4 / 6
Credits			12 / 17
Total Credits			34-35 / 40-43