LANSING COMMUNITY COLLEGE			
Liberal Arts			
Curriculum Code: 0793 (Effective Fall 2017 – Summer 2022)	**Environmental Technology A.A.S. Pathway**		
Semester I	**Course Title**	**Prerequisites**	**Credit/ Billing Hours**
Writing Core Area - *Select 1*			
ENGL 121 *(formerly WRIT 121)*	Composition I	Reading Level 5 and Writing Level 6	4 / 4
ENGL 122 *(WRIT 122 equivalent)*	Composition II	Reading Level 5 and Writing Level 6	4 / 4
ENGL 131 *(formerly WRIT 131)*	Honors Composition I	Reading Level 5 and Writing Level 7	4 / 4
ENGL 132 *(WRIT 132 equivalent)*	Honors Composition II	Minimum 3.5 in ENGL 121 (formerly WRIT 121) or ENGL 131 (formerly WRIT 131) or Reading Level 5 and Writing Level 8	4 / 4
Communication Core Area - *Select 1*			
COMM 120 *(formerly SPCH 120)*	Dynamics of Communication	Reading Level 5 and Writing Level 6	3 / 3
COMM 130 *(formerly SPCH 130)*	Fund of Public Speaking	Reading Level 5 and Writing Level 6	3 / 3
Science Core Area - *Select 1*			
BIOL 127	Cell Biology	(Minimum 2.0 in CHEM 120) or (Minimum 2.0 in CHEM 151 or concurrently) and Reading Level 5 and Writing Level 6 and Math Level 4	4 / 6

Program of Study Requirements			
CHEM 151	General Chemistry Lecture I	Reading Level 5 and Writing Level 6 and (Math Level 6 or MATH 109 concurrently or MATH 112 concurrently)	4 / 4
CHEM 161	General Chemistry Lab I	Minimum 2.0 in CHEM 151 or concurrently and Reading Level 5 and Writing Level 6 and (Math Level 6 or MATH 112 concurrently)	1 / 3
		Credits	**16 / 20**
Semester II	**Course Title**	**Prerequisites**	**Credit/Billing Hours**
Math Core Area - *Select 1*			
MATH 120	College Algebra	(Minimum 2.0 in MATH 109 or MATH 112 within 2 years or Math Level 6 within 2 years) and Reading Level 5 and Writing Level 4	4 / 4
MATH 121	Precalculus I	(Minimum 2.5 in MATH 109 or MATH 112 within 2 years or Math Level 6 within 2 years) and Reading Level 5 and Writing Level 4	4 / 4
MATH 151	Calculus I	(Minimum 2.0 in MATH 122 within 2 years or Math Level 9 within 2 years) and Reading Level 5 and Writing Level 6	4 / 4

Program of Study Requirements			
CHEM 152	General Chemistry Lecture II	Minimum 2.0 in CHEM 151 and (Math Level 7 or MATH 121 or MATH 126 or concurrently) and Reading Level 5 and Writing Level 6	3 / 3
CHEM 162	General Chemistry Lab II	Minimum 2.0 in (CHEM 152 or concurrently) and CHEM 161 and Reading Level 5 and Writing Level 6 and Math Level 7 (or Math 121 or Math 126 or concurrently)	1 / 3
ISCI 245	S.T.E.M. Workplace Practices	Reading Level 5 and Writing Level 6 and (Math Level 5, or MATH109 concurrently, or MATH 112 concurrently)	4 / 6
STAT 215	Intro to Probability and Stats	(Minimum 2.0 in MATH 120 or above or Math Level 7) and Reading Level 5 and Writing Level 4	4 / 4
		Credits	**16 / 20**
Semester III	**Course Title**	**Prerequisites**	**Credit/Billing Hours**
Global Perspectives and Diversity Core Area - *Select 1*			
ECON 120	Power, Authority and Exchange	Reading Level 5	4 / 4
GEOG 200	World Regional Geography	Reading Level 5 and Writing Level 6 and Math Level 4	4 / 4
HUMS 213	World Civilizations to 1600	Reading Level 5 and Writing Level 6	4 / 4
PHIL 211	Philosophy: Ancient & Medieval	Reading Level 5 and Writing Level 6	4 / 4
POLS 260	Comparative Political Systems	Reading Level 5 and Writing Level 6	3 / 3
SOCL 120	Introduction to Sociology	Reading Level 5 or AASD 105 concurrently	4 / 4

Program of Study Requirements			
ENVR 122	Enviro Sampl & Instrumentation	Reading Level 5 and Writing Level 6 and Math Level 5	4 / 6
GEOL 230	Environmental Geology	Reading Level 5 and Writing Level 6 and Math Level 4	4 / 6
Biology Electives - *Select 1*			
BIOL 128	Organismal Biology	Reading Level 5 and Writing Level 6 and Math Level 4	4 / 6
BIOL 210	Natural Resource Conservation	Reading Level 5 and Writing Level 6 and Math Level 4	4 / 6
Environmentally Related Electives - *Select 1* *BIOL course and GRET course previously selected may not be used for this Requirement.*			
BIOL 128	Organismal Biology	Reading Level 5 and Writing Level 6 and Math Level 4	4 / 6
BIOL 203	Microbiology	Reading Level 5 and Writing Level 6 and Math Level 4	3 / 3
CHEM 182	Introductory Organic Chemistry	Reading Level 5 and Writing Level 6	3 / 3
CHEM 251	Organic Chemistry Lecture I	Minimum 2.0 in CHEM 151 and Reading Level 5 and Writing Level 6	4 / 4
		Credits	**18-20 / 24-28**

Semester IV	**Course Title**	**Prerequisites**	**Credit/Billing Hours**
Program of Study Requirements			
ENVR 121	Environmental Rules and Regs	Reading Level 5 and Writing Level 6 and Math Level 5	3 / 3
ENVR 131	Industrial Process Safety	Reading Level 5 and Writing Level 6 and Math Level 5	3 / 3

Geographic Information Systems Electives - *Select 1*			
GRET 110	Beginning ArcGIS Desktop	Reading Level 3 and Math Level 4	3 / 5
GRET 210	Global Positioning Systems	None	3 / 4
GRET 220	Hydrological Systems	None	3 / 4
Environmentally Related Electives - *Select 2* *BIOL course and GRET course previously selected may not be used for this Requirement.*			
CHEM 262	Quantitative Analysis	Minimum 2.0 in (CHEM 152 and CHEM 162) and Reading Level 5 and Writing Level 6 and Math Level 7	3 / 6
CHEM 272	Organic Chemistry Laboratory	Minimum 2.0 in CHEM 251 and Reading Level 5 and Writing Level 6	2 / 6
GRET 100	GIS Principles & Applications	None	3 / 4
GRET 110	Beginning ArcGIS Desktop	Reading Level 3 and Math Level 4	3 / 5
PHYS 221	Introductory Physics I	Reading Level 5 and Writing Level 6 and (Math Level 9 or minimum 2.0 in MATH 122 or MATH 141)	4 / 6
POLS 120	American Political System	Reading Level 5	4 / 4
SCIN 287	Science Technology Internship	Department Approval	2-4 / 2-4
		Credits	**14-17 / 16-23**
		Total Credits	**64-69 / 80-91**