

LANSING COMMUNITY COLLEGE

Liberal Arts

Curriculum Code:
0221 (Effective Fall
2017 – Summer
2022)

Biology A.S. Pathway

This degree is designed for students who intend to transfer to a four-year college or university to pursue a baccalaureate degree in this subject area. Students completing this curriculum will also satisfy the Michigan Transfer Agreement (MTA) between two-year and four-year institutions in Michigan and qualify for an LCC Transfer Studies Certificate of Achievement (1482).

General Education - MTA: MINIMUM: 30 credits
Complete General Education - MTA Requirements for the Associate of Arts Degree
A. English Composition: One course
B. English Composition (second course) or Communication: One course
C. Humanities and Fine Arts: A total of 2 courses, each from a different discipline
D. Mathematics: One course from Quantitative Reasoning, College Algebra or Statistics
E. Natural Sciences: A total of 2 courses, each from a different discipline; one must be a lab course
F. Social Science: A total of 2 courses, each from a different discipline

Semester I	Course Title	Prerequisites	Credit/ Billing Hours
General Education - Area D. Mathematics - <i>Select 1</i>			
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
General Education - Area E. Natural Sciences - <i>Select Both Courses</i>			
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
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

General Education - Area F. Social Science - <i>Select 1</i> <i>A total of 2 courses, each from a different discipline, is required.</i>			
GEOG 200	World Regional Geography	Reading Level 5 and Writing Level 6 and Math Level 4	4 / 4
PSYC 200	Introduction to Psychology	Reading Level 5 or AASD 105 concurrently	4 / 4
SOCL 120	Introduction to Sociology	Reading Level 5 or AASD 105 concurrently	4 / 4
Program of Study Requirements			
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			17 / 21
Semester II	Course Title	Prerequisites	Credit/ Billing Hours
General Education - Area A. English Composition - <i>Select 1</i>			
ENGL 121 <i>(formerly WRIT 121)</i>	Composition I	Reading Level 5 and Writing Level 6	4 / 4
ENGL 131 <i>(formerly WRIT 131)</i>	Honors Composition I	Reading Level 5 and Writing Level 7	4 / 4

Program of Study Requirements			
BIOL 128	Organismal Biology	Reading Level 5 and Writing Level 6 and Math Level 4	4 / 6
BIOL 270	Human Genetics	Reading Level 5 and Writing Level 6 and Math Level 4	3 / 3
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
Credits			15 / 19
Semester III	Course Title	Prerequisites	Credit/Billing Hours
General Education - Area B. English Composition or Communication: - <i>Select 1</i>			
COMM 120 <i>(formerly SPCH 120)</i>	Dynamics of Communication	Reading Level 5 and Writing Level 6	3 / 3
COMM 130 <i>(formerly SPCH 130)</i>	Fund of Public Speaking	Reading Level 5 and Writing Level 6	3 / 3
ENGL 122 <i>(WRIT 122 equivalent)</i>	Composition II	Minimum 2.0 in ENGL 121 (formerly WRIT 121) or ENGL 131 (formerly WRIT 131) or (Reading Level 5 and Writing Level 8)	4 / 4
ENGL 132 <i>(WRIT 132 equivalent)</i>	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

General Education - Area C. Humanities and Fine Arts - <i>Select 1</i> <i>A total of 2 courses, each from a different discipline, is required.</i>			
HIST 211	U.S. History to 1877	Reading Level 5 and Writing Level 6	4 / 4
HIST 212	U.S. History: 1877 to Present	Reading Level 5 and Writing Level 6	4 / 4
HUMS 213	World Civilizations to 1600	Reading Level 5 and Writing Level 6	4 / 4
HUMS 214	World Civilizations from 1600	Reading Level 5 and Writing Level 6	4 / 4
Program of Study Requirements			
BIOL 260	Botany	Reading Level 5 and Writing Level 6	4 / 6
BIOL 275	Molecular Biology I	Minimum 2.0 in (BIOL 127 and CHEM 151 and CHEM 161) and Reading Level 5 and Writing Level 6 and Math Level 4	4 / 6
Credits			15-16 / 19-20
Semester IV	Course Title	Prerequisites	Credit/Billing Hours
General Education - Area C. Humanities and Fine Arts - <i>Select 1</i> <i>A total of 2 courses, each from a different discipline, is required.</i>			
PHIL 151	Intro to Logic & Critical Think	Reading Level 5	4 / 4
PHIL 152	Introduction to Ethics	Reading Level 5 and Writing Level 6	4 / 4
RELG 150	Intro to World Religions	Reading Level 5 and Writing Level 6	4 / 4
General Education - Area F. Social Science - <i>Select 1</i> <i>A total of 2 courses, each from a different discipline, is required.</i>			
ANTH 270	Cultural Anthropology	Reading Level 5 and Writing Level 6	3 / 3
POLS 120	American Political System	Reading Level 5	4 / 4
Program of Study Requirements - <i>Select 1</i>			
BIOL 265	Zoology	Reading Level 5 and Writing Level 6 and Math Level 4	4 / 6

Elective - <i>Select 1</i>			
CHEM 251	Organic Chemistry Lecture I	Minimum 2.0 in CHEM 151 and Reading Level 5 and Writing Level 6	4 / 4
			Credits
			15-16/ 17-18
			Total Credits
			62-64 / 76-78