



## Associate in Science in Biology

Curriculum Code: 0221

Effective Fall 2016 -Summer 2021

### Associate in Science in Biology

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 \(1482\)](#). Transfer students are **strongly** encouraged to apply for this certificate along with their degree, as it clearly announces to four-year colleges and universities that the student has successfully completed the MTA. General education and subject area requirements may vary from one college or university to another. In order to graduate with this degree, a student must earn a minimum grade of 2.0 in all courses. A minimum of 2.0 is required to transfer to other colleges (some colleges, and some programs within colleges, require a higher grade in a course). Click [here](#) for information on how to use and interpret this curriculum guide.

- I. General Education - MTA: **MINIMUM: 30 credits****  
 Complete [General Education \(MTA\) Requirements](#) for the Associate of Science Degree
- A. English Composition:** One course
  - B. English Composition** (second course) **or Communication:** One course – *Choose WRIT 122/132*
  - 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 – *Choose MATH 121*
  - E. Natural Sciences:** A total of 2 courses, each from a different discipline; one must be a lab course – *Choose BIOL 127 for one course* (See Note 1)
  - F. Social Science:** A total of 2 courses, each from a different discipline – *Choose PSYC 200 for one course*

**II. Required Courses within the Major:** (See Note 1)

Complete each of the following courses:

Course Code	Title	Credits
BIOL 128	Organismal Biology	4
BIOL 270	Human Genetics	3
CHEM 151	General Chemistry Lecture I	4
CHEM 152	General Chemistry Lecture II	3
CHEM 161	General Chemistry Lab I	1
CHEM 162	General Chemistry Lab II	1
Choose one of the following courses:		
BIOL 260	Botany	4
BIOL 265	Zoology	4

**III. Electives:** (See Note 2)

Complete courses as needed from the list of [Elective Courses](#) to reach the 60 credit minimum for this degree. Courses used to fulfill requirements in I. and II. above cannot be used as Elective courses.

**MINIMUM TOTAL: 60 credits**

**Notes:**

- 1) CHEM 151, 152, 161 or 162 will also fulfill the second course needed for I.E. above.

- 2) It is recommended that students pursuing this degree consider taking the following courses when completing Electives: An additional Chemistry course such as CHEM 251, 252 or 272.
- 3) It is recommended that students pursuing this degree consider the following Suggested Course Sequence when completing an Educational Development Plan (EDP):

<b>I</b>	<b>II</b>	<b>III</b>	<b>IV</b>
CHEM 151	BIOL 128	BIOL 270	GE: HUMS
CHEM 161	BIOL 260/265	GE: WRIT 122/132	GE: SOC SCI
GE: BIOL 127	CHEM 152	GE: HUMS	ELECTIVE
GE: MATH 121	CHEM 162	ELECTIVE	ELECTIVE
GE: PSYC 200	GE: ENG COMP		