



Associate in Science in Biology

Curriculum Code: 0221

Effective Fall 2014 -Summer 2019

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.

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):

I	II	III	IV
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		