



## Associate in Science in Chemistry

Curriculum Code: 0117

Effective Fall 2016 -Summer 2021

### Associate in Science in Chemistry

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 151*

**E. Natural Sciences:** A total of 2 courses, each from a different discipline; one must be a lab course – *Choose CHEM 151 to fulfill half of this requirement.*

**F. Social Science:** A total of 2 courses, each from a different discipline

#### II. Required Courses within the Major:

Complete each of the following courses:

Course Code	Title	Credits
CHEM 152	General Chemistry Lecture II	3
CHEM 161	General Chemistry Lab I	1
CHEM 162	General Chemistry Lab II	1
CHEM 251	Organic Chemistry Lecture I	4
CHEM 252	Organic Chemistry Lecture II	4
CHEM 262	Quantitative Analysis	3
CHEM 272	Organic Chemistry Laboratory	2
MATH 152	Calculus II	4

#### III. Electives: (See Note 1)

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) It is recommended that students pursuing this degree consider taking the following courses when completing Electives: MATH 253, PHYS 251, PHYS 252

- 2) 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>
GE: CHEM 151	CHEM 152	CHEM 251	CHEM 252
GE: CHEM 161	CHEM 162	CHEM 262	CHEM 272
GE: MATH 151	MATH 152	GE: NAT SCI	GE: HUMS
GE: ENG COMP	GE: WRIT 122/132	GE: SOC SCI	ELECTIVE
GE: SOC SCI	GE: HUMS	ELECTIVE	