



Associate in Science in Chemistry

Curriculum Code: 0117

Effective Fall 2015 -Summer 2020

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.

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):

I _____ II _____ III _____ IV _____

GE: CHEM 151
GE: CHEM 161
GE: MATH 151
GE: ENG COMP
GE: SOC SCI

CHEM 152
CHEM 162
MATH 152
GE: WRIT 122/132
GE: HUMS

CHEM 251
CHEM 262
GE: NAT SCI
GE: SOC SCI
ELECTIVE

CHEM 252
CHEM 272
GE: HUMS
ELECTIVE