



Pre-Medical Studies A.S.

Career Community: Science and Mathematics

Curriculum Code: 0754

Effective: Fall 2023 – Summer 2028

Description

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).

Milestone

In addition to the required General Education courses in Math and English, completion of BIOL 127, BIOL 128, CHEM 151, and CHEM 161 with a 2.0 or higher is a key component for success in completing this program. Knowledge obtained in these courses may be the foundation for learning in other required courses. Students are encouraged to contact their faculty if they need additional assistance with learning the concepts presented in these courses.

Additional Information

A student must earn a minimum grade of 2.0 in all courses.

Contact Information

Contact the Science Department in the Arts and Sciences Building, Room 3203, telephone number 517-483-1092, or the Academic Advising Department, Gannon Building - StarZone, telephone number 517-483-1904.

General Education - Transfer Degrees (MTA), Recommended Courses

(For the full list of options, see [General Education](#))

- English Composition – *Select one*
ENGL 121, Composition I, 4 credits / 4 billing hours
ENGL 131, Honors Composition I, 4 credits / 4 billing hours
- English Composition (second course) or Communication – *Select one*
ENGL 122, Composition II, 4 credits / 4 billing hours
ENGL 132, Honors Composition II, 4 credits / 4 billing hours
COMM 110, Communication in the Workplace, 3 credits / 3 credits
COMM 120, Dynamics of Communication, 3 credits / 3 credits
COMM 130, Fundamentals Public Speaking, 3 credits / 3 credits

- Humanities and Fine Arts – *Select two, each from a different discipline*
 ARTH 120, Masterpieces of Art & Music, 4 credits / 4 credits
 HIST 211, U.S. History to 1877, 4 credits / 4 billing hours
 HIST 212, U.S. History: 1877 to Present, 4 credits / 4 billing hours
 HUMS 223, The Western World to 1500, 4 credits / 4 billing hours
 HUMS 224, The Western World since 1500, 4 credits / 4 billing hours
 PHIL 152, Introduction to Ethics, 4 credits / 4 billing hours
 RELG 150, Intro to World Religions, 4 credits / 4 billing hours
- Mathematics
 Program of Study Required Courses will meet this requirement.
- Natural Sciences
 Program of Study Required Courses will meet this requirement.
- Social Sciences – *Select two, each from a different discipline*
 GEOG 200, World Regional Geography, 4 credits / 4 billing hours
 PSYC 200, Introduction to Psychology, 4 credits / 4 billing hours
 SOCL 120, Introduction to Sociology, 4 credits / 4 billing hours

Program of Study Required Courses

Course Code	Course Title	Credit / Billing Hours
BIOL 127	Cell Biology	4 / 6
BIOL 128	Organismal Biology	4 / 6
CHEM 151	General Chemistry Lecture I	4 / 4
CHEM 161	General Chemistry Lab I	1 / 3
CHEM 251	Organic Chemistry Lecture I	4 / 4
CHEM 252	Organic Chemistry Lecture II	4 / 4
CHEM 272	Organic Chemistry Laboratory	2 / 6
MATH 126	Precalculus	5 / 5
PHYS 221	Introductory Physics I	4 / 6

Elective Courses, Recommended Choices – *Select courses to reach the minimum 60 total credits required for this degree.* (For the full list of options, see [AA and AS Degree Electives](#))

Course Code	Course Title	Credit / Billing Hours
MATH 141	Calculus with Applications	4 / 4
MATH 151	Calculus I	4 / 4
PHYS 222	Introductory Physics II	4 / 6

Minimum Total Credit Hours

60 credits / 72 billing hours

Recommended Course Sequence

Semester I
MTA English Composition
CHEM 151 – Milestone course
CHEM 161 – Milestone course
MATH 126
Semester II
MTA English Composition (second course) or Communication
MTA Social Sciences
BIOL 128 – Milestone course
PHYS 221
Semester III
MTA Humanities and Fine Arts
MTA Social Sciences
BIOL 127 – Milestone course
CHEM 251
Semester IV
MTA Humanities and Fine Arts
CHEM 252
CHEM 272
Electives as needed for total credits

LCC makes every effort to limit revisions to the pathways during their effective timeframe. However, the College reserves the right to update certificate and degree title changes, and make course changes as needed, without prior notice.