

Associate in Science

2018-2019 Catalog

Concentration in Pre-Professional Health

Award Granted Upon Completion: Associate in Science

Credits/Contacts Required: 60/68

Major code: 02/228

CIP Code: 240101

Description

The Pre-Professional Health Degree is designed for students who wish to transfer to a four-year college or university in a Professional Health Program. Specific program areas include Clinical Lab Science, Diagnostic Genetics, Pre-Medicine, Pre-Veterinary Medicine, Pre-Pharmacy, Pre-Optometry, Occupational Therapy, and Pre-Physical Therapy. Generally these professions will require post-baccalaureate studies. Further, in many cases, undergraduate majors in many health disciplines do not exist. Students must still select and complete an undergraduate major in addition to their pre-professional studies. While it is traditional for pre-health professional students to complete an undergraduate major in biology, professional schools, especially medical schools, often value a more diverse undergraduate education. For this reason, students who major in secondary education, communications, social and behavioral sciences or other liberal arts disciplines while completing their pre-professional courses are often at a competitive advantage for admission to professional school. By satisfying the program requirements listed below, a student also satisfies the Michigan Transfer Agreement requirements listed in the catalog. *

General Education Requirements – Min 32 credits @

| | | <u>Cr</u> |
|----------|---|-----------|
| ENGL-101 | Rhetoric & Composition | 3 |
| XXXX-xxx | Communication Elective ENGL-102 or 145; COMM-103, 104, or 120 | 3 |
| MATH-141 | Analytical Geometry & Calculus I | 5 |
| BIOL-110 | Evolution & Diversity | 4 |
| CHEM-110 | General Chemistry I | 5 |
| PSYC-201 | Introduction to Psychology | 3 |
| XXXX-xxx | Social & Behavioral Science Electives * | 3 |
| XXXX-xxx | Humanities Electives * | 6 |

Suggested Sequences per Semester

| | | <u>Cr / Ct</u> |
|------------------------|----------------------------------|--------------------|
| First Semester | | |
| BIOL-110 | Evolution & Diversity | 4/6 |
| CHEM-110 | General Chemistry I | 5/7 |
| ENGL-101 | Rhetoric & Composition | 3/3 |
| MATH-141 | Analytical Geometry & Calculus I | 5/5 |
| | | 17/21 |
| Second Semester | | |
| BIOL-112 | Cells & Molecules | 4/6 |
| CHEM-112 | General Chemistry II | 5/7 |
| PSYC-201 | Introduction to Psychology | 3/3 |
| XXXX-xxx | Communication Elective | 3/3 |
| | | 15/19 |
| Third Semester | | |
| MATH-210 | Introduction to Statistics | 4/4 |
| XXXX-xxx | Humanities * | 3/3 |
| XXXX-xxx | Math Science Elective ** | 3-5/3-6 |
| XXXX-xxx | Math Science Elective ** | 3-5/3-6 |
| | | 13-17/13-19 |

* This degree requires fulfillment of the Michigan Transfer Agreement General Education requirements. All courses used to fulfill the MTA must have a grade of "C" or higher.

Requirements – Min 28 credits @

| | | <u>Cr</u> |
|----------|-----------------------------|-----------|
| BIOL-112 | Cells and Molecules | 4 |
| CHEM-112 | General Chemistry II | 5 |
| MATH-210 | Introduction to Statistics | 4 |
| XXXX-xxx | Math & Science Electives ** | 12 |
| XXXX-xxx | Approved Elective | 3 |

| Fourth Semester | | |
|------------------------|-------------------------------|--------------------|
| XXXX-xxx | Humanities * | 3/3 |
| XXXX-xxx | Math Science Elective ** | 3-5/3-6 |
| XXXX-xxx | Math Science Elective ** | 3-5/3-6 |
| XXXX-xxx | Social & Behavioral Science * | 3/3 |
| XXXX-xxx | Approved Elective | 3/3 |
| | | 15-19/15-21 |

NOTE Actual courses and sequence vary with transfer institution and undergraduate degree specialization. It is in the student's best interest to review transfer guides for specific university and program requirements. Students should regularly consult their transfer institution as well as their Bay College advisor prior to scheduling courses.

@ Many courses require specific placement scores or prerequisite courses. Students not meeting the prerequisites for their required courses may need to take more time and more credits to fulfill the degree requirements.

* Students must choose courses in Social & Behavioral Sciences and Humanities, each from two different subject areas to meet MTA. See advisor for details.

** Math/Science electives include BIOL-202, 213, 214, 225, 226, 231, 232, 255, 256, 270, 271, 272-275, CHEM-201, 202, MATH-142, PHYS-201, 202, 205, and 206. Students who are transferring where physical education is required may use up to three elective credits. Some students may be advised to take COMM-103 or 104 in place of a Math/Science elective.