

# Pre-Professional Health

## Associate in Science Degree

### Why Professional Health?

If you are interested in a degree that will allow you to explore various science fields in health care, the Pre-Professional Health program is ideal for you. The degree is broad and allows you to find out where your true passions lie in science, preparing you to choose a specialty to pursue in a 4 year undergraduate program.

### Why Bay College?

Bay College can provide the essential science foundation for an undergraduate health professions degree leading to professional school in a high touch environment, with engaged faculty and small class size. Note that 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 when transferring to a university. Our degree is broad so that you can explore various science fields as you think about what specialty to pursue, and our faculty are here to help you along the way.

### Beyond Bay College

Students interested in transferring to a four-year institution to obtain a bachelor's degree or higher may find opportunities in the following areas of study:

- **Clinical Lab Science**
- **Pre-Pharmacy**
- **Diagnostic Genetics**
- **Pre-Optometry**
- **Pre-Medicine**
- **Occupational Therapy**
- **Pre-Veterinary Medicine**
- **Pre-Physical Therapy**

### Career Opportunities

A degree in Professional Health opens the door to many careers in a diverse and growing field. Students can go on to be many things, such as:

- **Medical Doctors**
- **Occupational Therapists**
- **Dentists**
- **Pharmacists**
- **Veterinarians**
- **Optometrists**
- **Clinical Lab Scientists**
- **Physical Therapists**

### Contact

#### Bay College

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[baycollege.edu](http://baycollege.edu)



# Associate in Science

2019-2020 Catalog

## Concentration in Pre-Professional Health

Award Granted Upon Completion: Associate in Science

Credits/Contacts Required: **60/68**

Major code: 02/228

CIP Code: 511102

### 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	3
	ENGL-102 or 145; COMM-103, 104, or 120	
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

☺	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.
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### 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

### Suggested Sequences per Semester

		<u>Cr / Ct</u>
<b>First Semester</b>		
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
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		<b>17/21</b>
<b>Second Semester</b>		
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
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		<b>15/19</b>
<b>Third Semester</b>		
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
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		<b>13-17/13-19</b>
<b>Fourth Semester</b>		
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
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		<b>15-19/15-21</b>

**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.