

PHARMACY

Credentials

Pre-Pharmacy AS degree 76–80 cr.

Major Description

In addition to dispensing medications, pharmacists are knowledgeable about drug interactions and use their medical expertise to monitor patient care and therapies. If you have a mind for math and science, especially biology and chemistry, and a strong desire to help people, a career in pharmacy is a great option. Schoolcraft's program is designed for you to start here and transfer into a university pharmacy program.

- In addition to working in retail pharmacies, pharmacists work in hospitals, clinics, long-term care facilities and the armed services.
- Pharmacists also find employment in academic, research, and public health service organizations.
- Consult with an academic advisor or counselor to ensure that your Schoolcraft courses will transfer to the specific university program you wish to transfer to.

Job Titles & Median Salaries or Hourly Rates

- Pharmacist: \$111,570 (national)

The pre-pharmacy transfer program is designed for students interested in a transferable degree that provides appropriate science content and competencies that will help them as they pursue further study in the field of pharmacy. Students will be introduced to the roles, job opportunities, and some of the timely and important issues in the field of pharmacy.

The pre-pharmacy program provides general education courses at the freshman and sophomore level, with an emphasis on the sciences, in preparation for admission to a university doctoral pharmacy program. Admission to university doctoral pharmacy programs is highly competitive and the transferring institution must be consulted for additional pre-admission requirements.

This program outline provides the framework for a pre-pharmacy program, but it does not represent a final academic plan for any specific four-year college or university. Students need to be aware that many health profession educational programs require background screening. Students who satisfactorily complete all college and program requirements qualify for an associate in science degree.

SAMPLE SCHEDULE OF COURSES

First Year—Fall Semester

PHARM 101	Introduction to Pharmacy	3
MATH 150	Calculus with Analytic Geometry 1	5
BIOL 120	Principles of Biology 1	5
CHEM 111	General Chemistry 1	4

Total Credits 17

First Year—Winter Semester

ENG 101	English Composition 1	3
BIOL 130	Principles of Biology 2	5
CHEM 117	General Chemistry 2 and Qualitative Analysis...	5
Social Science*	Select one General Education Social Science course.....	3–4

Total Credits 16–17

First Year—Spring Session

Humanities*	Select one General Education Humanities course	3–4
Social Science*	Select one General Education Social Science course.....	3–4

Total Credits 6–8

Pre-Pharmacy AS Degree

Second Year—Fall Semester

CHEM 213	Organic Chemistry 1	5
BIOL 237	Principles of Human Anatomy and Physiology 1	4
ENG 102	English Composition 2.....	3
PHYS 181	General Physics 1.....	4

Total Credits 16

Second Year—Winter Semester

CHEM 214	Organic Chemistry 2	5
BIOL 238	Principles of Human Anatomy and Physiology 2.....	4
PHYS 182	General Physics 2.....	4
Humanities*	Select one General Education Humanities course.....	3–4

Total Credits 16–17

Second Year—Spring Session

BIOL 243	Microbiology.....	4
PHARM 201	Capstone—Portfolio Preparation.....	1
Select Social Science or Humanities courses <i>if needed to fulfill MACRAO*</i>		

Total Credits 5

PROGRAM TOTAL 76–80 CREDITS

*MACRAO transfer agreement requires a minimum of 8 credits in more than one discipline for both Social Science and Humanities distribution areas. When completing MACRAO, 80 credits will be the minimum program total required.

Students planning to transfer should check the transfer institution's requirements/guides or discuss their options with a counselor or advisor. Number of credits may vary depending on the course selection.

Completion of the pre-pharmacy program does not guarantee admission into a transfer institution's pharmacy program.