

# PRIDE. CHALLENGE. ACHIEVEMENT.

CREDENTIAL YEAR 2017-18

## PHARMACY

### Credentials

Pre-Pharmacy AS degree	76-80 cr.
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### Major Description

Pharmacists are a vital link in the healthcare system involved in dispensing medications and understanding drug interactions and monitoring patient care and therapies. Schoolcraft's associate of science in pre-pharmacy degree is designed to be transferrable to a university pharmacy program.

Pharmacists can find positions in a variety of settings, such as retail pharmacies, hospitals, clinics, long-term care facilities and the armed services.

They can also find employment in academic, research and public health organizations.

Students should consult with an academic advisor or counselor to ensure that their Schoolcraft courses will transfer to the desired university pharmacy program.

### National Media Salaries for Pharmacy-related positions (source: US BLS)

Pharmacist: \$116,670

### Pre-Pharmacy AS Degree

Schoolcraft program code # AS.00403

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

First Year—Fall Semester			First Year—Winter Semester		
PHARM 101	Introduction to Pharmacy	3	ENG 101	English Composition 1	3
MATH 150	Calculus with Analytic Geometry 1	5	BIOL 130	Principles of Biology 2	5
BIOL 120	Principles of Biology 1	5	CHEM 117	General Chemistry 2 and Qualitative Analysis	5
CHEM 111	General Chemistry 1	4	Social Science*	Select one General Education Social Science course	3-4
	<b>Total Credits</b>	<b>17</b>		<b>Total Credits</b>	<b>16-17</b>

#### First Year—Spring Session

Humanities*	Select one General Education Humanities course	3-4
Social Science*	Select one General Education Social Science course	3-4
	<b>Total Credits</b>	<b>6-8</b>

#### Second Year—Fall Semester

Second Year—Fall Semester			Second Year—Winter Semester		
CHEM 213	Organic Chemistry 1	5	CHEM 214	Organic Chemistry 2	5
BIOL 237	Principles of Human Anatomy and Physiology 1	4	BIOL 238	Principles of Human Anatomy and Physiology 2	4
ENG 102	English Composition 2	3	PHYS 182	General Physics 2	4
PHYS 181	General Physics 1	4	Humanities*	Select one General Education Humanities course	3-4
	<b>Total Credits</b>	<b>16</b>		<b>Total Credits</b>	<b>16-17</b>

#### Second Year—Spring Session

BIOL 243	Microbiology	4
PHARM 201	Capstone—Portfolio Preparation	1
	Select Social Science or Humanities courses if needed to fulfill MACRAO*	
	<b>Total Credits</b>	<b>5</b>

### 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 the 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.



It is the policy of Schoolcraft College that no person shall, on the basis of race, religion, color, gender, age, marital status, disability, sexual orientation, and/or national origin, be subjected to discrimination during or be excluded from participating in or be denied the benefits of any program or activity or in employment.



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