



Pre-Pharmacy (422)

Associate of Science

ABOUT OUR PROGRAM

This program is intended to provide the first two years of a four-year baccalaureate program. Study in this major provides a foundation for a career in pharmacy through study in humanities, math, and sciences.

NATURE OF WORK AND EMPLOYMENT

Pharmacists prepare and dispense medications. They cooperate in the prevention and treatment of disease by providing drug information to other health care practitioners and patients. Pharmacists also must be extremely accurate in dispensing drugs and maintaining records.

The four most common jobs graduates in this field have after completion of their advanced degree are pharmacist, health technician, health care manager, and health aide. Pharmacists require a license to practice.

SPECIAL CONSIDERATIONS

Those interested in the field of medicine should have an aptitude for science, good interpersonal skills, emotional stability, and a desire to help the injured and sick. Students must be prepared for further educational training at the professional level beyond the baccalaureate degree. Pharmacy schools limit enrollment and students compete vigorously for admission. **The listed coursework is a recommendation only. Students should check with a student advisor for HCC graduation requirements and specific university requirements in this major.** Students must meet with an advisor to ensure that the special requirements of the department and institution to which they plan to transfer are met. Colleges and universities have specific requirements for transfer students.

PROGRAM CONTACTS

Call Highland at 815-235-6121 for the following program contacts:

- Dr. Brendan Dutmer, Associate Dean, Natural Science and Mathematics
- Heather Moore, Student Advisor

RECOMMENDED COURSES

The following are recommended courses for this major only. Students must still meet all requirements for the Associate of Science degree (see page 58) in order to graduate from Highland Community College. For more information, please see your student advisor.

Biology

* BIOL	208	Biology I: Cell & Molecular Biology	4
* BIOL	209	Biology II: Biodiversity, Evolution & Ecology	4
BIOL	120	Foundations of Anatomy and Physiology	5

Chemistry

* CHEM	123	General College Chemistry I	5
* CHEM	124	General College Chemistry II	5
* CHEM	221	Organic Chemistry I	4
* CHEM	222	Organic Chemistry II	4

Mathematics

* MATH	168	Analytic Geometry & Calculus I	5
* MATH	268	Analytic Geometry & Calculus II	5

Physics

* PHYS	141	Introductory Physics I	4
* PHYS	142	Introductory Physics II	4
		-or-	
* PHYS	143	General Physics I	5
* PHYS	144	General Physics II	5

* Course has a prerequisite. See course description

REGIONAL INSTITUTIONS

University of Illinois at Chicago College of Pharmacy (Rockford, IL; Chicago, IL)

Roosevelt University College of Pharmacy (Schaumburg, IL) Midwestern University Chicago College of Pharmacy (Downers Grove, IL)

Rosalind Franklin University of Medicine & Science College of Pharmacy (North Chicago, IL)

Chicago State University College of Pharmacy (Chicago, IL)

Southern Illinois University - Edwardsville School of Pharmacy (Edwardsville, IL)

University of Iowa College of Pharmacy (Iowa City, IA)

Drake University College of Pharmacy & Health Sciences (Des Moines, IA)

University of Wisconsin-Madison School of Pharmacy (Madison, WI)

Concordia University Wisconsin School of Pharmacy (Mequon, WI)