



# Pre-Medicine (418)

## 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 medicine through study in humanities, math, and sciences.

### NATURE OF WORK AND EMPLOYMENT

Physicians are licensed health-care providers who use science and the healing arts to diagnose and treat illness and injury, as well as provide advice and encouragement about health maintenance and disease prevention. Most physicians work in private offices, clinics, hospitals, or medical schools.

### 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. Medical 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, Interim 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	211	General Microbiology	4

#### 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	177	Statistics	3
* 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 descriptions.

### REGIONAL INSTITUTIONS

University of Illinois College of Medicine (Chicago, IL; Peoria, IL; Rockford, IL; Urbana, IL)

Chicago Medical School at Rosalind Franklin University of Medicine & Science (North Chicago, IL)

Loyola University Chicago Stritch School of Medicine (Chicago, IL)

Northwestern University - Feinberg School of Medicine (Chicago, IL)

Rush Medical College of Rush University (Chicago, IL)

University of Chicago Division of the Biological Sciences - The Pritzker School of Medicine (Chicago, IL)

Southern Illinois University School of Medicine (Carbondale, IL; Springfield, IL)

University of Iowa Roy J. and Lucille A. Carver College of Medicine (Iowa City, IA)

University of Wisconsin School of Medicine and Public Health (Madison, WI)

Medical College of Wisconsin (Milwaukee & Green Bay, WI; Central, WI)