

Pre-Pharmacy

Why should I major in the Pre-Pharmacy program?

If your long-term goal is to become a pharmacist, Iowa Western can provide the first step toward your goal. As a pharmacist, you'll dispense drugs prescribed by physicians and other health care practitioners and provide information to patients about medications and their use. Pharmacists must understand the use, composition and effects of drugs and often advise physicians on the selection, dosage, interaction and possible side effects of medications. Iowa Western's pre-pharmacy program gives you the foundation necessary to pursue your career goal. You'll take courses in math, English, humanities and science.

What type of degree will I earn at Iowa Western if I enroll in this program?

Graduates of our two-year pre-pharmacy program earn an Associate of Science (AS) degree.

If I major in Pre-Pharmacy, can I transfer to a four-year college or university?

This program of study is designed to transfer to a four-year degree granting institution. By earning your AS degree in pre-pharmacy at Iowa Western, you will be able to apply your credits toward a bachelor's degree in a similar program at another institution. In order to work as a pharmacist, five years of education are required beyond the high school level. Additionally, pharmacists must graduate from an accredited college of pharmacy, pass a state examination and serve an internship under a licensed pharmacist before being allowed to work in the field.

What is the job outlook for Pre-Pharmacy graduates and what type of jobs will I be qualified for?

Employment of pharmacists is expected to grow at an average pace. Pharmacists find jobs in community pharmacies located in drug stores, grocery stores or department stores. Other job opportunities exist in hospitals, clinics, and with home health care agencies. The average base salary for pharmacists is approximately \$59,000.

**For More Information,
Contact the Admissions Office:
712.325.3277 or 800.432.5852, ext. 3277
www.iwcc.edu**

Program of Study

The Pre-Pharmacy program of study is designed for students who are interested in pursuing pharmacy as a career choice. The curriculum is structured for transfer to institutions with professional schools of pharmacy. Graduates of this program are awarded an Associate of Science (A.S.) degree.

RECOMMENDED COURSE SEQUENCE

| First Semester | | Cr. |
|-----------------------|----------------------|------------|
| ENG 105 | Composition I | 3 |
| BIO 112 | *General Biology I | 4 |
| CHM 166 | *General Chemistry I | 5 |
| MAT 211 | *Calculus I | 5 |
| | | <hr/> 17 |

| Second Semester | | Cr. |
|------------------------|---|------------|
| ENG 106 | Composition II | 3 |
| BIO 113 | *General Biology II | 4 |
| CHM 176 | *General Chemistry II Humanities Electives | 5 6 |
| | | <hr/> 18 |

| Third Semester | | Cr. |
|-----------------------|---|------------|
| SPC 112 | *Public Speaking | 3 |
| CHM 263 | *Organic Chemistry I | 5 |
| PSY 111 | Introduction to Psychology Social Science Elective | 3 3 |
| | | <hr/> 14 |

| Fourth Semester | | Cr. |
|------------------------|--|-------------|
| BIO 186 | Microbiology | 4 |
| CHM 273 | *Organic Chemistry II Social Science Elective Distributed Elective | 5 3 3 |
| | | <hr/> 15 |

*Required courses for the program

| Additional Recommended Courses for the Program: | | Cr. |
|--|---|------------|
| BIO 168 | Human Anatomy and Physiology I with Labs | 4 |
| BIO 173 | Human Anatomy and Physiology II with Labs | 4 |
| MAT 157 | Statistics | 4 |
| PHY 156 | *General Physics I | 4 |
| PHY 157 | *General Physics I Lab | 1 |

One elective must also satisfy the diversity requirement.

64 semester hours required