

# PRE-PHARMACY

## Pathway Information

The pre-pharmacy program is a series of courses that satisfy the prerequisites for admission to a pharmacy school. After completing the pre-pharmacy program, students apply to a professional school of pharmacy where an additional three or four years completes a doctor of pharmacy degree (PharmD).

### REQUIRED COURSES

#### Required Science and Math Courses:

- Principles of Chemistry I & II  
CHEM 1211/L & 1212/L (8 hrs)
- Organic Chemistry I & II  
CHEM 3301/L & 3302/L (8 hrs)
- Biochemistry  
CHEM 4410 (3 hrs)
- Principles of Biology I & II  
BIOL 2107K & 2108K (8 hrs)
- Human Anatomy and Physiology I & II  
BIOL 2251K & 2252K (8 hrs)
- Foundations in Microbiology  
BIOL 2260K (4 hrs)
- Calculus I  
MATH 1120 (4 hrs)
- Elementary Statistics  
MATH 1401 (3 hrs)

### PROGRAM INFORMATION

- Requires a minimum of three years to complete the prerequisite courses for admission to a pharmacy program.
- >90% of students who can complete the prerequisite courses are accepted to pharmacy school.

### POTENTIAL CAREERS

- Community Pharmacy
- Hospital Pharmacy
- Clinical Specialists
- Research and Development
- Government Agencies

### STUDENT TRAITS AND CHARACTERISTICS

- Very strong in math and science
- Strong communication skills, both oral and written
- Excellent problem solver
- Good interpersonal skills

### GSW CLUBS AND ACTIVITIES

- Chemistry Club
- Biology Club
- any service organization

### IMPORTANT INFORMATION

Pharmacy programs are very competitive. Many schools recommend a science and math GPA of 3.0 or higher.

Shadowing or practical pharmacy experience is recommended, while community service and extracurricular activities are highly recommended.