

PRE-PHARMACY

Undergraduate Credit Required	72 hours or Bachelor's degree (recommended)
Entrance Exam	PCAT - Pharmacy College Admission Test
Professional Schooling Required	4 years of professional school; Pharm D. – Doctor of Pharmacy
Professional Schools	Temple University, LECOM, Thomas Jefferson University, University of the Sciences, University of Pittsburgh, Wilkes University, Nesbitt School of Pharmacy, Duquesne University Mylan School of Pharmacy
Professional Organization Websites	aacp.org (American Association of Colleges of Pharmacy)
Major	Students can major in any subject at WCU for Pre-Pharmacy. The most common majors that align with medical school pre-requisites are Biology: Cell and Molecular Biology, Biology: Integrative Concentration, and Chemistry: Chem-Bio.

REQUIRED AND SUGGESTED ELECTIVES FOR WCU UNDERGRADUATE STUDENTS

The following course recommendations are general requirements for Pharmacy programs. For the specific requirements of your school of choice and whether AP/IB credit is accepted, please refer to that school's admissions website or contact those schools for a list of entrance requirements.

PHARMACY SCHOOL REQUIREMENTS

Biological Sciences with labs (8 hours)		
BIO 110 General Biology, BIO 215 Botany, BIO 217 Zoology, BIO 220 Cell Physiology		
Course	Term	Grade
Genetics (recommended by some schools)		
Course	Term	Grade
BIO 230		
Microbiology		
Course	Term	Grade
BIO 214		
General Chemistry with lab		
Course	Term	Grade
CHE 103 & CRL 103		
CHE 104 & CRL 104		
Organic Chemistry with lab		
Course	Term	Grade
CHE 231 & CRL 231		
CHE 232 & CRL 232		
Biochemistry (recommended)		
Course	Term	Grade
CHE 476		
Anatomy and Physiology		
Course	Term	Grade
BIO 259		
BIO 269		

English Composition (1 courses)		
Course	Term	Grade
Calculus		
Course	Term	Grade
MAT 145/161		
Physics with lab (2 courses)		
General Physics PHY 130 AND 140 or Physics 170 AND 180		
Course	Term	Grade
PHY 130 or 170		
PHY 140 or 180		
Social Sciences* (9 hours)		
Humanities** (9 hours)		

* Social Sciences

Psychology, Sociology, Anthropology, Political Science, Economics, Geography, History.

**Humanities

Languages, Literature, Philosophy, Religion, Arts

Sample Course Plan of Pre-Pharmacy Requirements

Semester 1

CHE 103
CRL 103
BIO 110
WRT 120
Social Sciences

Semester 2

CHE 104
CRL 104
BIO 215/217
MAT 145
Social Sciences

Semester 3

CHE 231
CRL 231
PHY 130
Humanities
Social Sciences

Semester 4

CHE 232
CRL 232
PHY 140
Humanities
Humanities

Semester 5

General/Major Electives

Semester 6

General/Major Electives

Semester 7

General/Major Electives

Semester 8

General/Major Electives

Suggested courses for the PCAT Preparation

BIO 110
BIO 215
BIO 217
BIO 259 and 269
CHE 103 and 104 with labs
CHE 231 and 232 with labs
CHE 476
WRT 120 and 2XX

MAT 121
MAT 145

Note: Physics is not tested on the PCAT. Science courses above and beyond the courses listed will be of benefit for PCAT performance. For more information, visit pcatweb.info

BEYOND ACADEMICS

Pre-Pharmacy students are encouraged to participate in activities and experiences such as leadership roles, volunteer work, research, and shadowing, which will help them prepare for optometry school and the optometry profession. Activities beyond the classroom play a significant role in a student's application to a professional school program. Such experiences demonstrate a commitment and knowledge about the profession. In particular, shadowing pharmacy professionals and involvement with the Pre-Med Club will help students learn more about the profession of pharmacy.

APPLICATION AND ADMISSION

Applications: This standardized application permits a student to apply to multiple pharmacy schools and colleges with one application and distribution of transcripts. The web-based application will include the applicant's personal statement, course summary, and listing of extracurricular activities. PharmCAS.org has information on which schools participate in PharmCAS.

ENTRANCE EXAM

Entrance Exam: The Pharmacy College Admission Test (PCAT) is required. The PCAT is a specialized exam that helps identify qualified pharmacy school applicants by measuring their general academic ability and scientific knowledge determined necessary for a pharmacy education. Registration information is available at the PCAT web site: pcatweb.info. Check with a pre-medicine advisor for information on the best time to take the exam.

ADDITIONAL APPLICATION INFORMATION

Applications to Pharmacy school require letters of recommendation and a supplemental (secondary) applications may also be required. It is suggested that you get one letter of recommendation from a licensed pharmacist.



Director, Pre-Medical Program – Dr. Teresa Donze-Reiner

WCU does not discriminate based upon any protected status.
Please see www.wcupa.edu/admin/social.equity/

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