

# POST-BACCALAUREATE PRE-MEDICINE

Undergraduate Credit Required	Bachelor's degree
Entrance Exam	MCAT
Professional Schooling Required	4 yrs medical school; 3-8 yrs residency Doctor of Medicine (MD) or Doctor of Osteopathy (DO) degrees
Local Professional Schools	Penn State, PCOM, LECOM, Drexel, Temple, University of Pennsylvania, Thomas Jefferson University, Cooper Medical School of Rowan University, etc...
Professional Organization Websites	aamc.org (Association of American Medical Colleges) aacomas.org (Osteopathic Medicine)
Post-Baccalaureate Program	WCU's post-baccalaureate program is designed for the student interested in a career change and needs to take most, if not all, associated pre-requisite courses for medical school. Courses from a student's previous degree(s) will fulfill the requirements if a grade of C or better was obtained and the course was taken within the last 10 years.

## MEDICAL SCHOOL REQUIREMENTS

<b>Biological Sciences with labs (8 credits)</b>		
BIO 110 General Biology, BIO 111 General Biology II, BIO 211 Cell Biology, BIO 214 Microbiology		
Course	Term	Grade
<b>Genetics (required by most schools)</b>		
Course	Term	Grade
BIO 210		
<b>General Chemistry with lab</b>		
Course	Term	Grade
CHE 103 & CRL 103		
CHE 104 & CRL 104		
<b>Organic Chemistry with lab</b>		
Course	Term	Grade
CHE 231 & CRL 231		
CHE 232		
<b>Biochemistry (1 course)</b>		
Course	Term	Grade
CHE 476		
<b>Physics with lab (2 courses)</b>		
General Physics PHY 130 AND 140 or Physics 170 AND 180		
Course	Term	Grade
PHY 130 or 170		
PHY 140 or 180		

### **English Composition (3 to 6 hrs)**

Course	Term	Grade
WRT 120		
WRT 2XX		
<b>Calculus and Statistics (please contact school for specific admissions requirement)</b>		
Course	Term	Grade
MAT 121		
MAT 145		
<b>PSY 100 or SOC 100 (recommended)</b>		
Course	Term	Grade

### **Courses Covering MCAT 2015 content**

BIO 110 and 111	CHE 476
BIO 210 and 211	CHE 477
BIO 259 and 269	
BIO 468	PSY 100
BIO 469	SOC 100

CHE 103 and 104  
 CHE 231 and 232  
 MAT 121 or 125  
 MAT 143 or 145 or 161  
 PHY 130 and 140 or 170 and 180

Statistical reasoning skills tested on the MCAT may be obtained through science courses or through taking a statistical methods course (see front for options).

**Meet with the Pre-Medical Director to develop your MCAT preparation plan.**

### Sample Course Plan for Pre-Medical Requirements Fall start with summer classes

<u>Fall</u> CHE 103 CRL 103 BIO 110 WRT 120 MAT 121	<u>Spring</u> CHE 104 CRL 104 BIO 111 WRT 2XX MAT 145
<u>Summer 1<sup>st</sup> 5 weeks</u> CHE 231 CRL 231	<u>Summer 2<sup>nd</sup> 5 weeks</u> CHE 232
<u>Fall</u> CHE 476 PHY 130 BIO 210 PSY 100/SOC100	<u>Spring</u> PHY 140 BIO 211 Study/Take MCAT Interview with Pre-Med Committee

### Sample Course Plan for Pre-Medical Requirements Summer start

<u>Summer 1<sup>st</sup> 5 weeks</u> CHE 103 CRL 103	<u>Summer 2<sup>nd</sup> 5 weeks</u> CHE 104 CRL 104
<u>Fall</u> CHE 231 CRL 231 BIO 110 PHY 130 WRT 120	<u>Spring</u> CHE 232 BIO 111 WRT 2XX MAT 121 PHY 140 Interview with Pre-Med Committee
<u>Summer 1<sup>st</sup> 5 week</u> CHE 476 BIO 210 Study for MCAT	<u>Summer 2<sup>nd</sup> 5 weeks</u> PSY 100/SOC100 Take MCAT/Apply to med school

**\*\* The above schedules are just samples and can be adjusted based on the needs of each student**

### BEYOND ACADEMICS

Pre-Medical students are encouraged to participate in experiences such as leadership roles, volunteer work, research, and shadowing, which will help prepare them for medical school and the medical profession. Such experiences demonstrate a commitment to and knowledge of the profession. All students are **STRONGLY** encouraged to **shadow medical professionals, volunteer with health providers**, get involved with research and pursue internships. Additionally, involvement with clubs such as Pre-Med Club and Minorities in Medicine, will help students to learn more about the medical profession. Activities beyond the classroom play a significant role in a student's application to a professional school program.

### APPLICATION AND ADMISSION

There are two centralized application services, the American Medical College Application Service (AMCAS) and the American Association of Colleges of Osteopathic Medicine Application Service (AACOMAS). Application for admission to most medical schools are made through AMCAS (allopathic) or AACOMAS (osteopathic). This standardized application service is available online at [aamc.org/students/applying/amcas](http://aamc.org/students/applying/amcas) (allopathic) or [aacomas.aacom.org/](http://aacomas.aacom.org/) (osteopathic). AMCAS and AACOMAS will duplicate your application and forward it to the medical schools in which you have interest. Schools will then contact you to verify receipt of your application and inform you of any secondary applications and/or additional materials they require.

### ENTRANCE EXAM

The Medical College Admissions Test (MCAT) is required. The MCAT is a computer-based exam that is offered on set dates throughout the year. Information about the exam, registration, and the Official Guide to the MCAT can be found online at <https://www.aamc.org/students/applying/mcat/mcat2015/>. Students should obtain this publication as soon as possible and use it as a guide while preparing for the MCAT exam.

### ADDITIONAL APPLICATION INFORMATION

Applications to medical school require a **personal statement** and **letters of recommendation/evaluation**. The number of required letters varies by school. For the WCU Post-Bac Pre-Medical program, you will need to collect a minimum of 5 letters of recommendation (at least one from an MD or DO) and have them submitted to the Pre-med office prior to requesting an interview from the Pre-medical committee.

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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/](http://www.wcupa.edu/admin/social.equity/)

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