

PRE-MED PROGRAM

VCU offers a Pre-Med program for students who are interested in attending medical school. You may choose any major at the university and must complete all required courses for both the major and medical school. The following requirements apply to all medical schools in Virginia and most medical schools in the country.

COURSES	SEMESTER	GRADE
ENGLISH: <i>effective Fall 2007</i>		
UNIV 111: Focused Inquiry I		
UNIV 112: Focused Inquiry II <i>Grade of "C" or better required</i>		
ENGL 200: Writing & Rhetoric Workshop II <i>Prerequisite: UNIV 111- 112(or equivalent) & 24 credits; Grade of "C" or better required</i>		
MATH: VCU School of Medicine requires a minimum of 2 Math courses. Students should check the Math requirements for their major & at various Med schools before scheduling Math courses.		
MATH 151: Pre-calculus Mathematics <i>Prerequisite: MATH 141 or by placement test</i>		
OR		
MATH 200: Calculus w/ Analytic Geometry <i>Prerequisite: MATH 151 or by placement test</i>		
STAT 210: Basic Practice of Statistics <i>Prerequisite: MATH 131,141,151 or by placement test</i>		
BIOLOGICAL SCIENCES : Most medical schools require a minimum of 2 Biology courses w/ a lab. Biology courses depend on a student's major choice & should be made in consultation w/ the student's advisor		
BIOL 151: Intro to Biological Science I <i>Prerequisite: Placement into MATH 151 & "C" or better in CHEM 100 or through placement into CHEM 101</i>		
AND	-----	-----
BIOZ 151: Intro to Biological Sciences I Lab		

<p>BIOL 152: Intro to Biological Sciences II Can be taken before BIOL 151 Prerequisite: Placement into MATH 151 & "C" or better in CHEM 100 or through placement into CHEM 101</p> <p style="text-align: center;">AND</p> <p>BIOZ 152: Intro to Biological Sciences Lab II</p>	-----	-----
OR		
<p>BIOL 101: Biological Concepts AND BIOZ 101: Biological Concepts Lab</p>	-----	-----
<p>BIOL 201: Human Biology AND BIOZ 201: Human Biology Lab</p>	-----	-----
CHEMISTRY		
<p>CHEM 101: General Chemistry I Prerequisite: CHEM 100 or by placement Prerequisite/Co-req MATH 151</p>		
CHEZ 101: General Chemistry Lab I		
<p>CHEM 102: General Chemistry II Continuation of CHEM 101</p>		
CHEZ 102: General Chemistry Lab II		
ORGANIC CHEMISTRY		
<p>CHEM 301: Organic Chemistry I Prerequisites: CHEM 101-102 & CHEZ 101-102</p>		
CHEZ 301: Organic Chemistry Lab I		
<p>CHEM 302: Organic Chemistry II Continuation of CHEM 301</p>		
CHEZ 302: Organic Chemistry Lab II		
PHYSICS		
<p>PHYS 201: General Physics Prerequisite: MATH 151</p> <p style="text-align: center;">AND</p> <p>PHYS 202: General Physics II Prerequisite: PHYS 201</p>	-----	-----
OR		

<p>PHYS 207: <i>General Physics II</i> Prerequisite: PHYS 201</p> <p style="text-align: center;">AND</p> <p>PHYS 208: <i>University Physics II</i> Prerequisite: PHYS 201 Co-requisite: MATH 201</p>		
<p>RECOMMENDED COURSES: Additional Science courses are recommended to help with the transition into Medical school. Students should prioritize taking the required courses for their major and for the concentration.</p>		
<p>BIOL 218: <i>Cell Biology</i> Prerequisites: "C" or better BIOL/Z 151,152(or equivalent) CHEM 101&102</p>		
<p>BIOL 310: <i>Genetics</i> Prerequisites: "C" or better in BIOL 218</p>		
<p>BIOL 311: <i>Animal Physiology</i> Prerequisite: "C" or better in BIOL 218</p>		
<p>CHEM 403: <i>Biochemistry</i> Prerequisites: CHEM/Z 101-102; CHEM 301-302</p>		

HEALTH CARE, VOLUNTEERING, SHADOWING OPPORTUNITIES (Some of these may also be paid employment)	HOURS	RESPONSIBILITIES

EXTRA-CURRICULAR, ORGANIZATIONS, PAID EMPLOYMENT (non-medical)	HOURS	RESPONSIBILITIES

- Check with the advisor in your major to make sure you are completing all major requirements in addition to Medical School coursework. See Pre-Health Science Advisor for information on applying to medical school.
- Students should gain hands-on experience before applying to medical school. This can be accomplished by volunteering at local hospitals such as MCV, clinics or community agencies, "shadowing" physicians during hospital rounds or in local doctor's offices, volunteering in hospital-based activities, or participating in the Pre-Med club at VCU.

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