

PRE-DENTAL PROGRAM

VCU offers a Pre-Dental program for students who are interested in attending dental school. You may choose any major at the university and must complete all required courses for both the major and dental school. The following requirements apply to MCV School of Dentistry. Students should research other dental schools for their requirements.

COURSES	SEMESTER	GRADE
ENGLISH (effective Fall 2007)		
UNIV 111: Focused Inquiry I		
UNIV 112: Focused Inquiry II Grade of "C" or better required		
ENGL 200: Writing & Rhetoric Workshop II Prerequisite: UNIV 111- 112(or equivalent) & 24 credits; Grade of "C" or better required		
MATH: VCU School of Dentistry requires a minimum of 2 Math courses. Students should check the Math requirements for their major & at various Dental schools before scheduling Math courses.		
MATH 151: Pre-calculus Mathematics Prerequisite: MATH 141 or by placement test OR		
MATH 200: Calculus w/ Analytic Geometry Prerequisite: MATH 151 or by placement test		
STAT 210: Basic Practice of Statistics Prerequisite: MATH 131,141,151 or by placement test		
BIOLOGICAL SCIENCES: Most dental 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 Prerequisite: Placement into MATH 151 & "C" or better in CHEM 100 or through placement into CHEM 101 AND	-----	-----
BIOZ 151: Intro to Biological Sciences I Lab		
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 AND BIOZ 152: Intro to Biological Sciences Lab II	-----	-----
OR		
BIOL 101: Biological Concepts AND BIOZ 101: Biological Concepts Lab	-----	-----
BIOL 201: Human Biology AND BIOZ 201: Human Biology Lab	-----	-----
CHEMISTRY		
CHEM 101: General Chemistry I Prerequisite: CHEM 100 or by placement/ Co-Requisite: MATH 151		
CHEZ 101: General Chemistry Lab I		
CHEM 102: General Chemistry II Continuation of CHEM 101		
CHEZ 102: General Chemistry Lab II		
ORGANIC CHEMISTRY		
CHEM 301: Organic Chemistry I Prerequisites: CHEM 101-102 & CHEZ 101-102		
CHEZ 301: Organic Chemistry Lab I		
CHEM 302: Organic Chemistry II Continuation of CHEM 301		
CHEZ 302: Organic Chemistry Lab II		
BIOCHEMISTRY		
CHEM/BIOC 403: Biochemistry Prerequisites: CHEM 101-102; 301-302 & CHEZ/FRSZ 101-102; 301-302		
PHYSICS		
PHYS 201: General Physics Prerequisite: MATH 151 AND PHYS 202: General Physics II Corequisite: MATH 200	-----	-----
OR		
PHYS 207: University Physics Corequisite: MATH 200 AND PHYS 208: University Physics II	-----	-----

Prerequisite: PHYS 201 Co-requisite: MATH 201		
RECOMMENDED COURSES: Additional Science courses are recommended to help with the transition into Dental school. Students should prioritize taking the required courses for their major and for the concentration.		
BIOL 218: Cell Biology Prerequisites: "C" or better BIOL/Z 151,152(or equivalent) CHEM 101&102		
BIOL 302: Animal Embryology (very challenging course) Prerequisite: "C" or better in BIOL 218		
BIOL 303: Bacteriology Prerequisites: "C" or better in BIOL 218 & 8 credits in CHEM		
BIOL 308: Vertebrate Histology (very challenging course) Prerequisite: "C" or better in BIOL 218		
BIOL 310: Genetics Prerequisites: "C" or better in BIOL 218		
BIOL 311: Animal Physiology Prerequisite: "C" or better in BIOL 218		
BIOL 455: Immunology (very challenging course) Prerequisites: "C" or better in BIOL/Z 151-152, BIOL 218 & BIOL 310		
BIOL 524: Endocrinology (open to seniors & graduate students only) Prerequisites: BIOL 218, CHEM/Z 301-302		
ELECTIVES: These should include human behavior courses and courses involving psychomotor skills.		
PSYC, SOCY, ANTH, POLI, or ECON Check Bulletin for Prerequisites for selected course(s)		
PHTX 400: Drugs & Their Interactions Prerequisites: junior or senior standing, or permission of instructor		
CRAF 211: Jewelry		
SCPT 209: Sculpture Open to non-art majors only		

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

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

- Check with the advisor in your major to make sure you are completing all major requirements in addition to Dental School coursework. See Pre-Health Science Advisor for information on applying to dental school.
- Students may gain hands-on experience before applying to dental school. This can be done by volunteering in the VCU dental clinic. Pre-dental students should become apart of the Pre-Dental Club at VCU.