

Variation #1: *PREMED*

Our curriculum in BME often bears explaining to medical schools. Here's what you should do:

Students should ask their "primary" recommendation writer from among the BME faculty to include, as a part of his or her overall letter, the "BME boilerplate text" covering the English composition requirements and Biology requirements. It is the responsibility of the student to make sure that the BME faculty member understands that they should append the boilerplate text, and to ensure that it is appended to only one of the letters they've requested. kitter@virginia.edu with any questions!

Be sure to contact

Office of PreProfessional Services
Bryant Hall @ Scott Stadium
924-8900,
careercenter@virginia.edu
<https://career.virginia.edu/pre-health>

Attend open office hours or schedule an individual advising appointment.

PreMed Requirements:

2 semesters Chemistry Lecture & Lab. Fulfilled by CHEM 1610, 1611 and CHEM 1620, 1621 (use your Science Elective I).

2 semesters Physics Lecture & Lab. Fulfilled by PHYS 1425, 1429, 2415, 2419.

2 semesters Organic Chemistry Lecture & Lab. Fulfilled by CHEM 2410, 2411, 2420, 2421 (use 1 technical and 3 unrestricted electives).

2 semesters Biology Lecture & Lab. Most medical schools will accept BME 2101, 2102, 2104, 3080, 3090 as a substitute for BIOL 2010-2040. Talk with your BME advisor and the premed advisor about whether or not this is the right decision for your situation.

One semester each: Introductory Psychology and Introductory Sociology. New requirement for the 2015 MCAT Fulfilled by PSYC 1010 and SOC 1010 (HSS elective requirements).

About 1/3 of U.S. medical schools require one or two semesters of math; a few specify that it must be Calculus.

About 2/3 of U.S. medical schools require one or two English classes; for most schools, your STS courses will fulfill this requirement.

Eighth Semester Spring Year 4		BME Elective		BME Capstone Design II BME 4064	Engineering Elective 2xxx, 3xxx	Eng, Ethics & Society STS 4600	HSS Elective
Seventh Semester Fall Year 4		BME Elective	BME Elective	BME Capstone Design I BME 4063	Engineering Elective 2xxx, 3xxx	Western Tech & Culture STS 4500	
Sixth Semester Spring Year 3	Organic Chem II Lab CHEM 2321		BME IDEAs Lab II BME 3090	BME 3xxx	BME 2102	Unrestricted Elective	PSYC 1010 or SOC 1010 (HSS Elective)
Fifth Semester Fall Year 3	Organic Chem I Lab CHEM 2311		BME IDEAs Lab I BME 3080	BME 3xxxx		STS Elective 2xxx	PSYC 1010 or SOC 1010 (HSS Elective)
Fourth Semester Spring Year 2	Organic Chemistry II CHEM 2420	BME 2xxx	BME 2xxx	BME 2xxx	Prob/Stat		
Third Semester Fall Year 2	Organic Chemistry I CHEM 2410	Intro Physics II + Lab PHYS 2415, 2419		BME 2xxx	BME 2xxx	Ordinary Diff Equations APMA 2130	
Second Semester Spring Year 1		Intro Chem II + Lab CHEM 1620, 1621	Intro Physics I + Lab PHYS 1425, 1429	Intro Comp Science CS 111x	Multivariate Calculus APMA 2120		
First Semester Fall Year 1		Intro Chem I + Lab CHEM 1610, 1611		Intro to Engineering ENGR 1620	Lang & Tech Society STS 1500	Single Variable Calc APMA 1110	

Consider taking PSYC & SOC 1010 earlier, if there is room in your schedule, or if you are able to take a summer course.

When should BMEs take Orgo and MCAT?

BME recommends that you take MCAT soon after completing the courses that are most relevant to the exam, namely: General Chemistry, Organic Chemistry lecture, Physics, Psychology and Sociology, and BME 2101, 2102, and 2104. In the schedule above, we recommend taking the Orgo lectures in 2nd year and preparing for and taking MCAT as soon as possible thereafter. The Orgo Labs can be taken any time before graduation, including during the summer. In the end, how you schedule these courses and the MCAT is a personal decision based on a number of factors, including AP credits/advanced standing, GPA and comfort level taking 5 technical courses in the same semester. Consider the advice of your academic advisor, research mentor, and/or more senior BMEs.