

Engineering Physics - Pre-Health Planning Guide

Please refer to Cornell Career Services [Pre-Health Academic Preparation](#) website for additional course options.

Medical School Requirement	Possible Degree Application
Biology (8 credits)	Advisor Approved Elective* (with permission of faculty advisor)
Biochemistry (3/4 credits)	Advisor Approved Elective* (with permission of faculty advisor) or Major Approved Elective+ (If approved by Director of Undergraduate Study.)
Upper-level Biology (3/4 credits)	Advisor Approved Elective* (with permission of faculty advisor) or Major Approved Elective+ (If approved by Director of Undergraduate Study.) <ul style="list-style-type: none"> Although not required, students find that taking upper level biology courses useful in understanding advanced concepts and providing greater depth of preparation for MCAT exams
General Chemistry (8 credits)	CHEM 2090 - Engineering Common Curriculum CHEM 2080 or CHEM 2150 - Advisor Approved Elective* (with permission of faculty advisor).
Organic Chemistry (8 credits)	Advisor Approved Elective* (with permission of faculty advisor) or Major Approved Elective+ (If approved by Director of Undergraduate Study.)
English (writing intensive) (6 credits)	Engineering Common Curriculum (FWS)
Math	Calculus: MATH 1910 - Engineering Common Curriculum Statistics: ENGRD 2700 – Engineering Distribution Requirement or Advisor Approved Elective* (with permission of faculty advisor) or Major Approved Elective+ (If approved by Director of Undergraduate Study.)
General Physics (8 credits)	PHYS 1110, 1112, 2213 and 2214 or Honors Sequence PHYS 1110, PHYS 1116, PHYS 2217, PHYS 2218, PHYS 2210 - Engineering Common Curriculum <ul style="list-style-type: none"> Students complete the 8 credits of Physics requirements by completing PHYS 1112, and PHYS 2213 lectures and PHYS 1110 lab. Information covered in PHYS 2214 or 2218 is recommended for the MCAT. Some medical schools may require two semesters of Physics lab. If another semester of lab is necessary a student must complete PHYS 2214 or 2218 (with 2210).
Social Science	Liberal Studies Requirement or Advisor Approved Elective* (with permission of faculty advisor) <ul style="list-style-type: none"> The “Psychological, Social, and Biological Foundations of Behavior” section of the MCAT covers topics taught in social sciences. Taking courses in Sociology, Psychology, Human Development, and Developmental Sociology can prepare students.

*Engineering Physics requires 6 credits of advisor approved electives.

*Engineering Physics requires major approved electives that consist of 6 total courses, technical in scope, 5 at the 3000+ level, with 9 credits outside of AEP.

These guides are based on the 2021-2022 degree requirements.

For the most up to date information, consult with Engineering Advising, major departments, or the current

[Engineering Undergraduate Handbook](#)