

Computer Science 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)	Major Approved Elective* or Advisor Approved Electives+ (with permission of CS Advising in 110 Gates Hall)
Biochemistry (3/4 credits)	Major Approved Elective*
Upper-level Biology (3/4 credits)	Major Approved Elective* <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 – Engineering Common Curriculum
Organic Chemistry (8 credits)	CHEM 3570 and CHEM 3580 Major Approved Elective* and CHEM 2510 – Major Approved Elective* or Advisor Approved Elective+ (with permission of CS Advising in 110 Gates Hall)
English (writing intensive) (6 credits)	Engineering Common Curriculum (FWS)
Math	Calculus: MATH 1910 - Engineering Common Curriculum Statistics: ECON 3130 or ENGRD 2700 (CS Probability Requirement)
General Physics (8 credits)	PHYS 1110, 1112, and 2213 - 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 is recommended for the MCAT. If a student chooses not to take PHYS 2214, it is strongly encouraged that the student self-studies information covered in the course. PHYS 2214 could be a Major Approved Elective* or Advisor Approved Elective+ (with permission of CS Advising in 110 Gates Hall). Some medical schools may require two semesters of Physics lab. If another semester of lab is necessary a student must complete PHYS 2214.
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.

*Major Approved Electives consist of External Specialization Electives, Technical Electives, and a Free Major Elective that must be approved by faculty advisor and/or the CS department.

*Computer Science requires 6 credits advisor approved electives.

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](#)