

Computer Science Pre-Health Planning Guide

Please refer to Health Professions Advising Center [website](#) for additional pre-health information.

| Medical School Requirement | Possible Degree Application |
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| Biology (8 credits) | Major Elective* or Advisor Approved Electives+ (with permission of CS Advising on the 5 th floor of Rhodes Hall) – BIOMG 1350, BIOG 1440 or 1445, and BIOG 1500 recommended. |
| Biochemistry (3/4 credits) | Major Elective* - BIOMG 3310 and 3320 or BIOMG 3300 recommended |
| Upper-level Biology (3/4 credits) | Major 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 Requirement CHEM 2080 – Engineering Common Curriculum Requirement |
| Organic Chemistry (8 credits) | CHEM 3570 and CHEM 3580 Major Elective* and CHEM 2510 – Major Elective* or Advisor Approved Elective+ (with permission of CS Advising on the 5 th floor of Rhodes Hall) |
| English (writing intensive) (6 credits) | Engineering Common Curriculum Requirement (FWS) <ul style="list-style-type: none"> Most medical schools will accept First-Year Writing Seminars (FWS) in fulfillment of their writing requirement; however, writing-intensive courses from other disciplines may also be acceptable. Students are encouraged to check the requirements of specific medical schools as the English requirement varies. |
| Math | Calculus: MATH 1910 - Engineering Common Curriculum Requirement Statistics: ECON 3130 or ENGRD 2700 recommended - CS Probability Requirement |
| General Physics (8 credits) | PHYS 1110, 1112, and 2213 - Engineering Common Curriculum Requirement <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+ (CS Advising on the 5th floor of Rhodes 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 CS Advising on the 5 th floor of Rhodes Hall) <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 Electives for the CS major consist of Technical electives, External Specialization electives, and a Major-Approved Free elective, which must be approved by CS Advising on the 5th floor of Rhodes Hall.

+ Computer Science requires 6 credits advisor approved electives.

These guides are based on the 2022-2023 degree requirements.

For the most up to date information, consult with Engineering Advising, major departments, or the current [Engineering Undergraduate Handbook](#)