Science course prerequisites for the MCAT (for pre-MEDICAL students)

The PreMedical and PreDental Advising Office: [http://premed.umbc.edu](http://premed.umbc.edu) -- Students should reference the pre-medical admissions prerequisite sheet to supplement this MCAT-science pathway/requisite sheet. [http://premed.umbc.edu/required-prerequisite-courses/](http://premed.umbc.edu/required-prerequisite-courses/)

Undergraduate Catalog: [http://catalog.umbc.edu](http://catalog.umbc.edu)

Schedule of Classes: [http://registrar.umbc.edu](http://registrar.umbc.edu)

Indicates a Pre-requisite:  
- MATH 150, MATH 151, or MATH 155
- BIOL 141 and BIOL 142
- BIOL 101 → CHEM 102 → CHEM 102Lab → CHEM 351 → CHEM 351Lab → CHEM 352 → CHEM 352Lab

Indicates a Co-requisite:  
- BIOL 302 → [plus pre-req of CHEM 102Lab] → BIOL 300Lab
- BIOL 303
- CHEM 101 → CHEM 102 → CHEM 351 → CHEM 352 → CHEM 352Lab
- CHEM 437 (for Biochemistry majors, offered Fall only) or BIOL 430 (for Biology majors)

PHYS 111 → PHYS 112

2 semesters of MCAT study

Reference the pre-med admissions prerequisite sheet for more information about suggested biology lab courses. [http://premed.umbc.edu/required-prerequisite-courses/](http://premed.umbc.edu/required-prerequisite-courses/)

Social science and statistics content tested on the MCAT includes application of concepts from introductory-level courses in psychology, sociology, and statistics.

Suggestions include:
- Psychology, PSYC 100
- Introduction to Sociology, SOCY 101
- Introduction to Statistics for the Social Sciences, STAT 121, or Statistics with Applications in the Biological Sciences, STAT 350

After 2 semesters (@ 8-10 hours per week) of studying for the MCAT, if you are scoring well on your practice exams, take the MCAT. Caution!: Practice exam scores are typically falsely higher than actual (real) MCAT test scores. Check out the office website for more information about the application process, [http://premed.umbc.edu/home/preparation-for-admission-to-medical-school/](http://premed.umbc.edu/home/preparation-for-admission-to-medical-school/).

UMBC’s pre-health committee requires that all UMBC allopathic and osteopathic medical school applicants **take the MCAT (once) before the end of the April** that precedes the summer during which applicants submit their AMCAS or AACOMAS centralized applications. This UMBC-specific requirement is congruent with AAMC’s recommendations for MCAT timing. Students are responsible for knowing all UMBC and AAMC MCAT deadlines and MCAT exam dates. For information on UMBC’s pre-health committee and their minimum requirements, visit [http://premed.umbc.edu/home/preparation-for-admission-to-medical-school/umbcs-health-professions-evaluation-committee-minimum-requirements/](http://premed.umbc.edu/home/preparation-for-admission-to-medical-school/umbcs-health-professions-evaluation-committee-minimum-requirements/).