Overview:

Premedicine is a career interest developed together with any bachelor's degree. Students prepare by taking courses to meet medical school entry requirements, studying to learn concepts and earn mostly A’s and B’s, gaining health care experience, taking the Medical College Admission Test (MCAT) and applying for medical school admission.

KU offers many related courses, academic support services, an informative website, weekly e-newsletters, related student organizations, service and research opportunities, and application assistance. If you’re currently a KU student, you can bring your KUID to 109 Strong Hall, and add the premedicine interest code to get application reminders, and announcements about related club meetings and volunteer opportunities.

The following KU courses satisfy entry requirements at most medical schools:

- **English I:** ENGL 101 or 105 Honors (3 hours)
- **English II:** ENGL 102 or 205 Honors (3)
- **Biology I:** BIOL 150 or 151 Honors (4, CHEM 130, 170 or 180 is co-requisite)
- **Biology II:** BIOL 152 or 153 Honors (4)
- **Chem I:** BIOL 130, 170 for Chemical Science Majors or 190 Honors (5, must be calculus-eligible)
- **Chem II:** CHEM 135, 175 for Chemical Science Majors, or 195 Honors (5)
- **Organic I:** CHEM 330 (3) or 380 Honors (3), and 331 Lab (2)
- **Organic II:** CHEM 335 or 385 Honors (3), and 336 Lab (2)

The KU School of Medicine accepts CHEM 310 as a substitute for 330, BIOL 600 or 636 as a substitute for CHEM 335, and CHEM 331 meets their organic lab requirement without 336.

- **Physics I:** PHSX 114 (4), 210 for Engineers I (3) and 216 Lab (1), 211 General Physics I (4) and 216 Lab (1), or 213 Honors (5)
- **Physics II:** PHSX 115 (4), 212 General Physics II (3) and 236 Lab (1), or 214 Honors (4)

The MCAT also requires knowledge from:

- **Biological Sciences:**
  - BIOL 600 Introductory Biochemistry (3), or 636 Biochemistry I (3) and 638 Biochemistry II (3)
  - PSYC 104 General Psychology or 105 Honors (3)
  - SOC 104 Elements of Sociology, 105 Honors, 160 Social Problems & American Values, or 161 Honors (3)

- **Physical Sciences:**
  - Calculus
  - Statistics
  - BIOL 350/360 Genetics and/or
  - BIOL 246 or BIOL 546 Physiology
  - BIOL 400/401 Microbiology
  - Spanish (recommended)

Some medical schools require:

- Calculus
- Statistics
- BIOL 350/360 Genetics and/or
- BIOL 246 or BIOL 546 Physiology
- BIOL 400/401 Microbiology
- Spanish (recommended)

Sample Plan

Plan to complete required courses by the end of your junior year, as they cover content for the Medical College Admission Test (MCAT). Here’s one option for sequencing required sciences:

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<th>1st Fall</th>
<th>1st Spring</th>
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<th>2nd Spring</th>
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<td>Chemistry II</td>
<td>Biology I</td>
<td>Organic I</td>
<td>Organic II</td>
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<td>Lab Psychology</td>
<td>Lab Sociology</td>
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For more information: medadvising.ku.edu