Preprofessional and Allied Health Advising Center
Preprofessional@du.edu (303) 871-3639

Pre-Med Advising – for students entering Fall 2015 and before

Medical programs have the following required courses:

- 1 Year of Introductory Biology with lab
- 1 Year of Inorganic Chemistry with lab
- 1 Year of Organic Chemistry with lab
- 1 Year of Physics with lab
- At least 1 course in Biochemistry

**Introductory Biology Requirement**
- BIOL 1011 Evolution, Heredity, and Biodiversity (4 cr)
- BIOL 1021 Evolution, Heredity, and Biodiversity Lab (1 cr)
- BIOL 1010 Physiological Systems (4 cr)
- BIOL 1020 Physiological Systems Lab (1 cr)
- BIOL 2120 Cell Structure and Function (4 cr)
- BIOL 2125 Cell Structure and Function Lab (1 cr)

**Inorganic Chemistry Requirement**
- CHEM 1010 General Chemistry (3 cr)
- CHEM 1240 General Chemistry Lab (1 cr)
- CHEM 2011 Analysis of Equilibrium (3 cr)
- CHEM 2041 Analysis of Equilibrium Lab (1 cr)
- CHEM 2131 Chemistry of the Elements (3 cr)
- CHEM 2141 Chemistry of the Elements (1 cr)

**Organic Chemistry Requirement**
- CHEM 2451 Organic Chemistry I (3 cr)
- CHEM 2461 Organic Chemistry Lab (1 cr)
- CHEM 2452 Organic Chemistry II (3 cr)
- CHEM 2462 Organic Chemistry II Lab (1 cr)
- CHEM 2453 Organic Chemistry III (3 cr)
- CHEM 2463 Organic Chemistry Lab (1 cr)

**Biochemistry Requirement**
- CHEM 3811 Biochemistry I - Proteins (3 cr)
- CHEM 3812 Biochemistry II – Metabolism (recommended for MCAT)
**Calculus Requirement**
Calculus is not on the MCAT. Check with the schools that you are considering for specific requirements.
Calculus (usually taken in years 1 or 2):
- MATH 1951 – Calculus I (4 cr)
- MATH 1952 – Calculus II (4 cr)
- MATH 1953 – Calculus III (4 cr)

**Physics Requirement**
The physics portion of the MCAT is algebra based.
General physics (algebra-based):
- PHYS 1111 General Physics I  (5 cr includes the lab)
- PHYS 1112 Gen. Physics II  (5 cr includes the lab)
- PHYS 1113 Gen Physics III  (5 cr includes the lab)

**Social Science Recommendation**
There is a Social Science Section on the MCAT; strongly recommended courses:
- PSYC 1001  Foundations of Psychological Science
- SOCI 1810  Understanding Social Life

**Courses helpful for the MCAT**
- BIOL 3250 Human Physiology
- BIOL 3650 Endocrinology

**Courses helpful for the first year of Medical School**
- BIOL 2510 General Genetics
- BIOL 3120 General Microbiology
- BIOL 3250 Human Physiology
- BIOL 3640  Introductory Neurobiology
- BIOL 3650 Endocrinology
- BIOL 3800 Human Molecular Biology
- BIOL 3910 Viruses and Infectious Human Diseases

**Courses helpful for preparing for an interview**
- BIOL 3870 Medical Ethics (counts as Bio credit, but not AI-Society credit)
  **OR**  PHIL 2700 Biomedical Ethics (counts as AI-Society)
Health Care Policy courses - see the Department of International Studies
### Recommended Course Schedule for the Required Biology/Chemistry/Physics Courses

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<th>Year</th>
<th>Fall</th>
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<td>PHYS 1111*</td>
<td>PHYS 1112</td>
<td>PHYS 1113</td>
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*PHYS 1111 can be taken in the first summer session after the 2nd year at DU, to keep Fall of the 3rd Year open for Study Abroad.

**Biochemistry majors should contact the Chemistry Department to determine the best year for taking the physics sequence.**