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
- Calculus: Check with programs you are considering applying to

**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 I (3 cr)
CHEM 1240 General Chemistry Lab (1 cr)
CHEM 1020 General Chemistry II (3 cr)
CHEM 1250 General Chemistry II Lab (1 cr)
CHEM 2131 Chemistry of the Elements (3 cr)
CHEM 2141 Chemistry of the Elements Lab (1 cr)

**Organic Chemistry Requirement**

CHEM 2451 Organic Chemistry I (3 cr)
CHEM 2461 Organic Chemistry I 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 III 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 lab)
- PHYS 1112 General Physics II (5 cr includes lab)
- PHYS 1113 General Physics III (5 cr includes 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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*PHYS 1111 can be taken in the first summer session after the 2nd year at DU, to keep Fall of 3rd Year open for Study Abroad.

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