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Requirements for Pre-Medical Professions

Choosing a Major:

- See a Pre Health Advisor at least once a semester.
Pre-Health students must choose a major (Pre-Health is not a major).
Commonly chosen majors include Biology, Chemistry, Biochemistry, Biomedical engineering or Physics. However, any major is acceptable, as long as students complete the pre-health requirements.

Qualities of Professional School Applicants:

- A high GPA in science and non-science courses – a competitive GPA is above a 3.6
High Scores on the MCAT - a competitive MCAT score is above a 504
Significant clinical/volunteer/work/leadership experience is essential!
You should be well known by your professors who will write great LORs and evaluations.

Common Pre-requisites for Admission to Medical Schools and/or MCAT Preparation

Biology

BSC 2010, 2010L (General Bio I & Lab)
BSC 2011, 2011L (General Bio II & Lab)

General Chemistry

CHM 1045, 1045L (Gen. Chem. I & Lab)
CHM 1046, 1046L (Gen. Chem. II & Lab)

Organic Chemistry

CHM 2210, 2210L (Org. Chem. I & Lab)
CHM 2211, 2211L (Org. Chem. II & Lab)

Physics I

PHY 2053, 2048L (Gen. Physics I w/out Calc) OR PHY
2048, 2048L (Gen. Physics I with Calc)

Physics II

PHY 2054, 2049L (Gen. Physics II w/out Calc) OR
PHY 2049, 2049L (Gen. Physics II with Calc)

Mathematics (at least two semesters)

MAC 2311, MAC 2312 (Calculus I & II) OR
MAC 2311, STA3111 (Calculus I & Stats I) OR
STA 2122, STA 3123 (Behavioral Stats I & II) OR
STA 3111, STA 3112 (Stats I & II)

Courses STRONGLY Recommended for MCAT:

Genetics

PCB 3063 (Genetics)

Physiology: (at least one semester)

PCB 3702 (Intermediate) OR PCB 3703 (Physio I) OR
PCB 3704 (Physio II) OR PCB 4724 (Comparative)

Cell Biology

PCB 4023 (Cell Biology)

Biochemistry

BCH 3033 (Gen. Biochemistry) OR
CHM 4304 (Biological Chemistry)

Psychology & Sociology (at least 4 semesters)

PSY 2012 (Intro to Psychology)
SYG 2000 (Intro to Sociology) OR SOP 3004 (Intro to
Social Psychology)
SYO 3400 (Medical Sociology) OR ANT 3462 (Medical
Anthropology)
PSB 4002 (Intro to Bio Psychology) OR EXP 4604
(Cognitive Processes)

Requirements for professional schools may **vary** (i.e. math courses, social sciences). Students should consult specific websites for information on requirements for desired schools.

#### **AP Credits**

- Not all professional schools will accept AP credit for science courses (for a list, ask a pre-health advisor)
- Contact the school(s) you are interested in to find out if they accept AP credits
- If a school accepts AP credits, they will usually require additional courses taken in that subject area

#### **The MCAT**

- MCAT review should begin after completing Biochemistry by all potential applicants.
- Your score will last for 3 years prior to matriculation.

#### **GPA Calculation**

- Most professional schools will calculate your *Overall GPA* as well as your *Science & Math GPA* (BCPM GPA) for admission
- Use the GPA Calculator linked [here](#).
- AP credits are **NOT** computed into your GPA
- ALL post-secondary coursework will be used to compute your GPA for admission
  - ✓ Dual-enrollment and transfer courses **DO** count toward your GPA for admission
- Professional schools **DO NOT** use “forgiveness” policies in calculating your GPA
- DR grades do not count in your GPA. However, avoid DR grades. Professional schools expect students to carry a consistent, full-time course load (15-18 credits)

#### **Professional Experience**

- Experience must involve physician/patient observation (typically students have >120 hours)
- Students should have at least one year of experience through volunteer or paid positions
- Students must demonstrate a knowledge of their chosen profession when applying to professional school
  - **NOTE:** Many otherwise well-qualified applicants are not accepted because they lack sufficient experience and or knowledge of their chosen profession

#### **\*\*Academic Advising\*\***

All lower-division, Pre-Health students must see an advisor in their Major Department in addition to an advisor in the Office of Pre-Health Professions Advising prior to registration each semester!