

M  T PRE-MEDICAL
SOCIETY

presents:

Discover Prehealth Lite

Fall 2020

Premed Coursework

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General resources

- MIT [Pre-Health Advising](#) (under CAPD, free)
- Medical School Admissions Requirements ([MSAR](#), subscription)
- MIT Pre-Medical Society ([MPS](#), us!)



What is required?

- Varies by school, check MSAR
- Generally:
 - Biology + lab (2)
 - Chemistry + lab (3)
 - Biochemistry (1)
 - Physics (2)
 - Math (2)
 - English, writing, humanities (2 that fulfill CI-H)
- All can be downloaded on PreHealth website

Biology

Introductory Biology (7.012, 7.013, 7.014, 7.015, or 7.016)

and one of the following:

Fundamentals of Experimental Molecular Biology (7.002)

Laboratory Fundamentals in Biological Engineering (20.109)

Experimental Molecular Neurobiology (9.12)

+

General Biochemistry (7.05)

or Biological Chemistry (5.07/20.507)

Chemistry

Principles of Chemical Science (5.111 or 5.112)

or Intro to Solid State Chemistry (3.091)

and

Organic Chemistry I (5.12)

Note: Some schools require 2 semesters of organic chemistry

and

Laboratory Chemistry (5.310)

or Fundamentals of Spectroscopy, Synthesis of Coordination Compounds and Kinetics, and Macromolecular Prodrugs or Organic Structure Determination (5.351, 5.352 AND 5.353 OR 5.363)

Physics

Physics I (8.01) and Physics II (8.02) or equivalent

Math

Calculus (18.01) and Calculus II (18.02) or equivalent

Note: AP credit will be accepted for math. Some schools are also requiring a semester of statistics.

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MCAT Subjects & Preparation

- MIT PreHealth also highlights some other potential classes of interest (but not required):

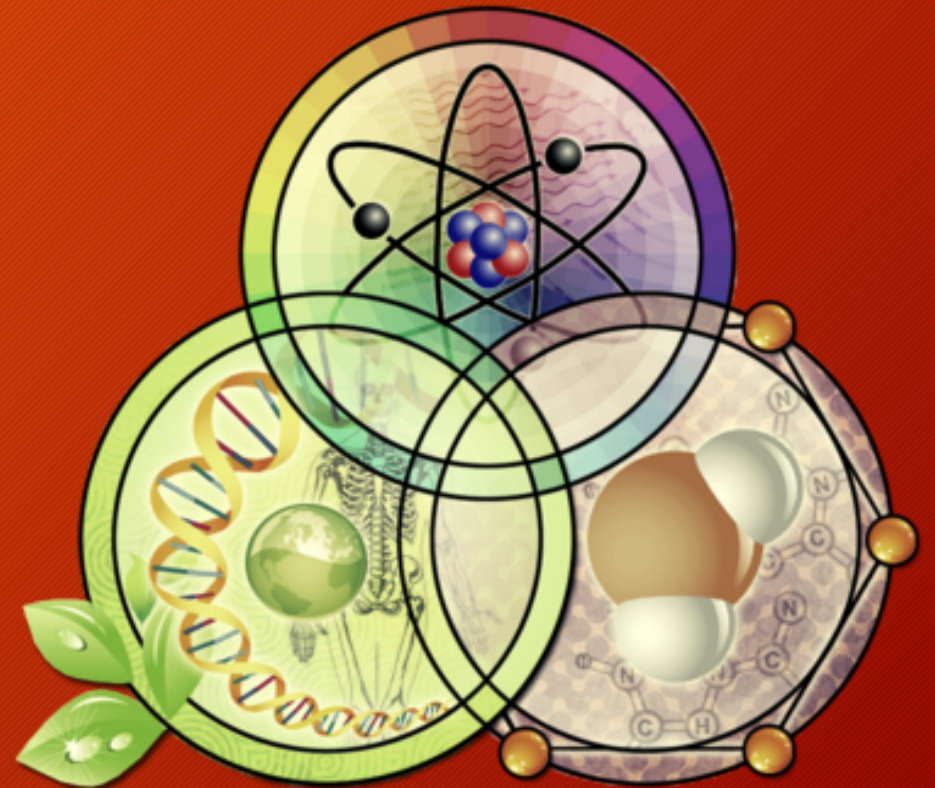
Biology
7.03 Genetics
7.06 Cell Biology
7.20 Human Physiology
Chemistry
5.08 Biological Chemistry II
5.13 Organic Chemistry II
Math/Statistics
18.05 Introduction to Probability and Statistics
Psychology
9.00 Introduction to Psychology

MCAT Subjects & Preparation (cont.)

- 7.5 hours long
- What's on the MCAT? [Here](#)
- Overview:
 - Biology (7.01 series)
 - Chemistry (general [3.091 or 5.111] and organic [5.12 and 5.13])
 - Biochemistry (5.07 or 7.05)
 - Physics (8.01, 8.02)
 - Psychology (9.00)
 - Sociology (self-study)
 - Reading comprehension section!

GPA calculations

- Medical schools compute two GPAs:
 - BCPM GPA
 - AO GPA
- Sorting coursework
 - 60% guidance



Keep in mind...

- Get your CI-H's done to graduate from MIT
- Statistics/OChem
- Some classes only offered one semester!
 - Plan ahead!
 - Examples:
 - Fall
 - 5.07
 - 5.13
 - Spring
 - 7.05
 - 9.00

To P/NR or to not P/NR?

- MIT P/NR policy
- Taking required classes during first term P/NR
- P/NR after first semester
 - Speak with PreHealth office, generally discouraged



Questions?