Health Professions: Academic Course Requirements

Academic Requirements: Applicants will be expected to ‘demonstrate aptitude in biological and physical sciences during the undergraduate years, but not to the exclusion of the humanities and social sciences.’ Students aspiring to careers in health professions are not required to major in science. The following list of courses is currently recommended; however, professional school admissions requirements are based on student’s ability to demonstrate competency in a variety of ways.

Recommended coursework for all Allied Health Professions, including pre-medical, pre-veterinary, pre-dental, pre-nursing, etc.

Courses to Take by End of Sophomore Year:

- **BIOL 0140** Ecology and Evolution
- **BIOL 0145** Cell Biology and Genetics
- **CHEM 0103** General Chemistry I
- **CHEM 0104** General Chemistry II
- **MATH 0121** Calculus I
- **PSYC 0105** Introduction to Psychology

- OR -

- **CHEM 0107** Advanced General Chemistry

Additional Courses:

- **CHEM 0203** Organic Chemistry I: Structure and Reactivity
- **CHEM 0322** Biochemistry of Macromolecules
- **PHYS 0109** Newtonian Physics
- **PHYS 0110** Electricity & Magnetism (requires Calc II)

- Statistics (any department)

Recommended Options for Supplemental Coursework:

- **CHEM 0204** Organic Chemistry II: Synthesis and Spectroscopy
  *(required for some science majors, as well as some veterinary & dental schools)*

- **MATH 0122** Calculus II *(required for current PHYS 0110 course & some professional schools)*

Advanced Biology courses such as:

- **BIOL 0280** Immunology
- **BIOL 0310** Microbiology
- **BIOL 0370** Animal Physiology

Social Science courses in content areas such as: Sociology, Ethics, and Global Health

*Most medical schools require at least 1 year of college math (usually Calculus & Statistics).*

For additional information, or to schedule an appointment with a Health Professions Advisor, please visit: [http://sites.middlebury.edu/hpandstem/](http://sites.middlebury.edu/hpandstem/)