



## 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:

- 3 Semesters CHEM w/ lab (*Including General & Organic Chemistry*)
- 2 Semesters BIOL or NSCI w/ lab \*
- 1 Semester PSYC
- 1 Semester MATH
- 1 Semester Statistics
- 2 Semesters PHYS w/ lab
- 1 Semester Biochemistry \*\*
- 2 Semesters English/College Writing

### Sample of Courses Frequently Taken:

|  |   |        |                  |   |
|--|---|--------|------------------|---|
| <b>CHEM 0103</b>                                     | General Chemistry I                           | - OR - | <b>CHEM 0107</b> | Advanced General Chemistry w/ AP Credit             |
| <b>CHEM 0104</b>                                     | General Chemistry II                          |        |                  |   |
| <b>BIOL 0140</b>                                     | Ecology and Evolution                         |        |                  |   |
| <b>BIOL 0145</b>                                     | Cell Biology and Genetics                     |        |                  |   |
| <b>PSYC 0105</b>                                     | Introduction to Psychology                    |        |                  |   |
| <b>MATH 0116, BIOL 0211, ECON 0210, or PSYC 0201</b> | Statistics                                    |        |                  |   |
| <b>MATH 0121</b>                                     | Calculus I                                    |        |                  |   |
| <b>PHYS 0109</b>                                     | Newtonian Physics                             |        |                  |   |
| <b>PHYS 0111</b>                                     | Thermo, Fluids, Waves & Optics                | - OR - | <b>PHYS 0110</b> | Electricity & Magnetism ( <i>requires Calc II</i> ) |
| <b>CHEM 0203</b>                                     | Organic Chemistry I: Structure and Reactivity |        |                  |   |
| <b>CHEM 0322</b>                                     | Biochemistry of Macromolecules                |        |                  |   |

### Additional Courses to Consider:

**Biological Science** courses in content areas such as: Physiology, Immunology, Microbiology, and Endocrinology  
**Social Science** courses in content areas such as: Sociology, Ethics, and Global Health  
**Organic Chemistry II** (*required for some science majors, as well as some medical, veterinary, and dental schools*)  
**Calculus II** (*required for current PHYS 0110 course & some professional schools*)

\*The [AMCAS Course Classification Guide](#) provides examples of how courses are often categorized.

\*\*In our experience, medical schools requiring 4 semesters of Chemistry have accepted Biochemistry as fulfilling the 4th semester, even in the absence of a lab.

**Note:** Check the course catalog for the most up-to-date information about prerequisites, course and major requirements. In some instances, AP credit may be used in lieu of a required course.

For additional information, or to schedule an appointment with a Health Professions Advisor, please visit:

<http://sites.middlebury.edu/ci/appointments/>