# Medicine

## Health Professions Advisory Program

**Academic Requirements for Programs in Allopathic Medicine (M.D.) and Osteopathic Medicine (D.O.)**

### Required Courses

<table>
<thead>
<tr>
<th>Biology</th>
<th>Highly Recommended Courses (Required by some schools)</th>
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</table>
| BIOL 130     | BIOL 321  
Intro Genetics and Cell Biology | Molecular Biology, Cell Biology, and Physiology |
| BIOL 131     | BIOL 342  
Biological Diversity and Ecology | Molecular Genetics |
|              | BIOL 344  
                  |Cell Biology |
|              | CHEM 336B  
                  |Organic Chemistry Lab |
| Chemistry    | CHEM 446  
                  |Metabolic Biochemistry |
| CHEM 115A & B| PSY 250  
                  |Introduction to Psychology |
|              | CHEM 335A & B  
General Chemistry | |
|              | CHEM 336A  
Organic Chemistry | |
|              | CHEM 336A  
Organic Chemistry Lab | |
| Physics      | Other Suggested Courses |
| PHYS 210A & B| SCIENCE 150  
General Physics | Intro to Careers in the Health Professions |
|              | PHYS 209A & B  
General Physics Lab | |
| Math         | BIOL 328  
MATH 165  
Statistics | Vertebrate Evolutionary Morphology |
| MATH 161     | BIOL 349  
Calculus | Animal Physiology |
|              | BIOL 472  
                  |Developmental Biology |
|              | BIOL 480  
                  |Immunology |
| English      | ENGL 101  
ENGL 101  
Expository Writing and Reading | |
| ENGL 214     | ENGL 214  
Literature | |

### ADDITIONAL NOTES:

The courses listed in the left column (with SSU equivalents) are the minimum requirements. Students are strongly encouraged to take courses from the "Recommended" and "Suggested" list (right column). Please note that some of the courses listed above, especially 300 and 400 level science courses, may have other prerequisites.

The **Medical College Admissions Test (MCAT)** is required by all US and Canadian medical schools. For information about the MCAT and the medical school application process, visit [https://students-residents.aamc.org](https://students-residents.aamc.org).

For information about the SSU health professions advisory program, visit [http://www.sonoma.edu/hpac](http://www.sonoma.edu/hpac).

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Rev 5/17