

Cornell course sequences required or recommended to prepare for health careers admissions

Subject	Cornell Courses
Biology	<p style="text-align: center;">Option 1</p> <p>BioG 1500 Investigative Biology Laboratory <i>and</i> BioMG 1350 Introductory Biology: Cell and Developmental Biology <i>and</i> BioG 1440 <i>or</i> 1445*: Introductory Biology: Comparative Physiology (*1445 is a personalized instruction format alternative with an abbreviated lab component. 1440 has no lab component.)</p> <p style="text-align: center;">Option 2</p> <p>BioG 1107 Introductory Biology I: From Atom to Cell (summer) <i>and</i> BioG 1108 Introductory Biology II: From Cell to Biosphere (summer) <i>and</i> BioG 1500 Investigative Biology Laboratory</p> <p style="text-align: center;">Option 3 (No longer offered - ended Spring 2013)</p> <p>BioG 1105 & 1106 Introductory Biology, Individualized Instruction</p>
Biochemistry	<p>One of the following:</p> <ol style="list-style-type: none"> 1. BioMG 3310 Principles of Biochemistry: Proteins and Metabolism <i>and</i> BioMG 3320 Principles of Biochemistry: Molecular Biology 2. BioMG 3300 Biochemistry, Individualized Instruction 3. BioMG 3350 Principles of Biochemistry: Proteins, Metabolism, and Molecular Biology 4. NS 3200 Introduction to Human Biochemistry 5. BioMG 3330 Principles of Biochemistry: Proteins, Metabolism, and Molecular Biology (summer)
Biology, Not Required	<p>Genetics: BioMG 2800 Genetics Lecture BioMG 2801 Genetics Lab (starts Spring 2013) BioMG 2810 Genetics Lecture & Lab (last time offered Fall 2012)</p> <p>BioEE 1610 Introductory Biology: Ecology and the Environment BioEE 1780 Evolutionary Biology and Diversity BioMI 2900 General Microbiology NS 3410 Human Anatomy and Physiology (lecture) and NS 3420 (laboratory)</p>
General Chemistry	<p>Chem 2070 & 2080 General Chemistry (laboratory included) <i>or</i> Chem 2150, (<i>see Premedical Advisor regarding this option</i>) and is an accelerated one-semester course leading directly to Organic Chemistry <i>or</i> Chem 2090 (for Engineering College students only) & 2080</p>
Organic Chemistry	<p>Chem 3570 & 3580 (lecture sequence) & 2510 (laboratory) <i>or</i> Chem 3590 & 3600 (advanced lecture sequence) & 2510 (laboratory)</p>
English	<p>The First-Year Writing Seminar sequence usually satisfies this. For the rare exceptions, see the Medical School Admissions Requirements Guide (MSAR).</p>
Math	<p>One semester each of calculus and statistics</p>
General Physics	<p>PHYS 1101 & 1102, Individualized Instruction, not calculus-based, <i>or</i> PHYS 2207 & 2208, calculus-based, <i>or</i> PHYS 1112 & 2208, calculus-based, <i>or</i> PHYS 1112 & 2213 & 2214 for Engineering College students Crossovers between 1101/2208 and 2207/1102 are acceptable; consult Physics website or Director of Undergraduate Studies (DUS).</p>
Social Science	<p>One semester of a social science course, preferably Psychology or Sociology. Consult with a premedical advisor to find a relevant course.</p>