

U of Iowa Pre-Med REQUIRED UNDERGRADUATE COURSEWORK & Micro Program

Course and Title	Semester/Quarter Hours Required	ISU Course Equivalent Required for Micro Major
<p>English Composition Two courses (to include composition and literature). This may be waived if your school integrates a writing requirement into courses across the curriculum.</p>	2 courses	English 150, 250, 302, 309, 312, or 314, Engl 201 (Lit)
<p>General Chemistry A complete introductory course in modern general chemical principles--each with the appropriate laboratories.</p>	1 year	Chemistry 177, 177L, and 178, 178L OR Chemistry 201 and 201L
<p>Organic Chemistry As a minimum, a complete introductory course in organic chemistry (1 year),</p>	1 year	Chemistry 331, 331L, and 332, 332L
<p>Physics A complete introductory course (1 year), including lab and instruction</p>	1 Year	Physics 111 & Physics 112
<p>General Biology A complete introductory course in the principles of biology, or zoology and botany (ie., 1 year), each with the appropriate laboratories,</p>	1 Year	Biology 211, 221L, 212 and 212L
<p>Advanced Biology Course Recommended advanced biology courses include biochemistry, molecular & cell biology, human physiology, genetics or microbiology..</p>	1 course	Biology 313, BBMB 301, Biol 314, Biol 255/256, Micro 302, Micro 310
<p>Arts, Humanities and/or Social Sciences Four courses. As writing skills are important in the study and practice of medicine, candidates are encouraged to fulfill this requirement with courses that include a writing component. Recommended courses include behavioral psychology, foreign language and other courses that encourage a greater appreciation for diversity and cultural competency.</p>	4 courses	Social Sciences, Humanities, ethics, & International perspectives, requirements
<p>Mathematics College algebra and trigonometry. Applicants who completed college algebra and trigonometry in high school must take either an advanced college mathematics course or a statistics course.</p>	2 courses	Math 142 & Math 160 Math 181 & Math 182