

# PRE-MEDICINE AND HEALTH PROFESSIONS CONCENTRATION

MATH 240	Calculus and Analytic Geometry I
<b>Total Hours</b>	<b>47.00</b>

## Requirements

This concentration provides comprehensive academic preparation in Biology for students interested in chiropractic, dentistry, medicine, occupational therapy, optometry, pharmacy, physical therapy, physician assistant, podiatry, and veterinary medicine. Admission to professional schools in these fields typically requires additional coursework in areas such as physics, mathematics, and chemistry; it is strongly encouraged that students complete a Chemistry minor (<http://catalog.uwsuper.edu/undergraduate/academic-departments/natural-sciences/chemistry/chemistry-minor/>) in order to meet these requirements.

### 35 total Biology credits plus 9 chemistry credits, plus 3 math credits

Code	Title	Hours
<b>Required Biology Courses</b>		
BIOL 130	Principles of Biology I	4.00
BIOL 270	Human Anatomy & Physiology I	4.00
BIOL 280	Human Anatomy & Physiology II	4.00
BIOL 330	Genetics	4.00
BIOL 440	Cell Biology	4.00
BIOL 497	Senior Year Experience	1.00
<b>Senior Experience Required Courses</b>		
Select a minimum of one credit of the following:		1.00
BIOL 491	Senior Research	
BIOL 496	Internship	
<b>Biology Elective Courses</b>		
Select 13 credits of the following. One 400 level-course (indicated by *) required. These courses are specifically designed to provide a Course-based Undergraduate Research Experience (CURE) to students.		13.00
BIOL 132	Principles of Biology II	
BIOL 316	Medical Terminology	
BIOL 355	Microbiology	
BIOL 356	Microbiology Laboratory	
BIOL 380	Vertebrate Biology	
BIOL 399	Cancer Biology	
BIOL 405	Neurobiology	
BIOL 411	Neurobiology Lab *	
BIOL 412	Developmental Biology *	
BIOL 414	Molecular Pharmacology	
BIOL 481	Special Topics	
<b>Chemistry Course Requirements</b>		
CHEM 105	General Chemistry I	5.00
CHEM 106	General Chemistry II	4.00
<b>Math Course Requirements</b>		
Select three credits of the following:		3.00
MATH 113	Algebra with Applications	
MATH 115	Precalculus	