

**Curriculum Content: Chemistry/Life Science**  
72-73 Semester Hours Required

**Praxis test – Biology: Content Knowledge (20235) and Chemistry: Content Knowledge (20245)**

<b>Course #</b>	<b>Course Title</b>	<b>Hrs.</b>	<b>Gr.</b>	<b>Sem.</b>
CH 141/143	General Chemistry I & Lab	5		Fall, summer
CH 142/144	General Chemistry II & Lab	5		Spring, Summer
CH 221/222	Organic Chemistry I & Lab	4		Fall, Summer
CH 223/224	Organic Chemistry II & Lab	4		Spring, Summer
CH 261/263	Analytical Chemistry and Lab	4		Spring
CH 361 ++	Introductory Physical Chemistry & Lab	3		Fall
CH 367	Physical Chemistry Lab	2		Spring & Fall
CH 478	Chemistry Seminar	0		Spring & Fall
CH 431 ++	General Biochemistry	4		Spring only
BL 155/156	Principles of Biology I & II	6		
BL 157/158	Principles of Biology I & II Lab	2		
BL 213	Genetics	4		
BL 222	General Ecology	3		
BL 310/310L	Microbiology & Lab	4		
BL 444/444L	Advanced Ecology & Lab	4		
PH125/125L	General Physics I & Lab	4		Fall
PH126/126L	General Physics II & Lab	4		Spring
<b>Select One:</b>				
PH 115/L	Environmental Earth Science & Lab	4		Fall
PH 206	Earth System Science	3		Spring
<b>Select One:</b>				
MT 135	Calculus and Analytic Geometry I	4		
MT 136	Calculus and Analytic Geometry II	4		
<b>Select One:</b>				
PL 314 *	Science, Technology, and Ethics	3		
PL 375 *	Philosophy of Science	3		

Note:

This list does not include CH 443/444 or any additional upper division course, which is required for the chemistry major.

\* Course meets Division V Core Requirement

++ CH 435/436 (6 cr.) may substitute for CH 431 with Chair's Approval

Revised Fall 2013