

Specific courses required for the Integrative Biology Theme in addition to the core course requirements:

Course	Title	Hours
<u>CHEM 1110</u>	Introductory Chemistry 2: Interaction, Reactivity, and Chemical Properties	3
<u>MBIO 1010</u>	Microbiology I	3
6 credit hours from A or B:		6
A:		
<u>CHEM/MBIO 2700</u>	Biochemistry 1: Biomolecules and an Introduction to Metabolic Energy	
<u>CHEM/MBIO 2710</u>	Biochemistry 2: Catabolism, Synthesis, and Information Pathways	
<u>CHEM 2720</u>	Principles and Practices of the Modern Biochemistry Laboratory	
B:		
<u>CHEM/MBIO 2730</u>	Elements of Biochemistry 1	
<u>CHEM 2740</u>	Introduction to the Biochemistry Laboratory	
<u>CHEM/MBIO 2750</u>	Elements of Biochemistry 2	
12 credit hours of second-year program courses including:		12
<u>BIOL 2200</u>	The Invertebrates	
<u>BIOL 2210</u>	The Chordates	
<u>BIOL 2240</u>	The Non-Flowering Plants	
<u>BIOL 2242</u>	The Flowering Plants	
<u>BIOL 2260</u>	Biology of Fungi and Lichens	
<u>BIOL 2262</u>	Biology of Algae	
<u>BIOL 2420</u>	Human Physiology 2	
<u>BIOL 2600</u>	Introduction to Computational Biology	
One of the following:		3
<u>BIOL 3400</u>	Plant Physiology	
<u>BIOL 3470</u>	Environmental Physiology of Animals 1	
<u>BIOL 3472</u>	Environmental Physiology of Animals 2	
24 credit hours in Biological Sciences (3000/4000 level courses)		24
6 credit hours in Microbiology (3000/4000 level courses)		6
Course List		