

# BIOLOGY (INTEGRATIVE BIOLOGY CONCENTRATION), B.S.

## Requirements for a Concentration in Integrative Biology

Code	Title	Hours
<b>Concentration Requirements</b>		
Twenty-three semesters hours including the following:		
BIO 3303	Ecology	3
BIO 3366	Foundations of Evolutionary Biology	3
<i>Cell and Molecular List</i>		3
BIO 3342	Molecular Cell Biology	
BIO 3350	Genomics and Bioinformatics	
BIO 4301	Immunology	
BIO 4302 & BIO 4102	General Microbiology and General Microbiology Lab	
BIO 4306 & BIO 4106	Molecular Genetics and Genomics and Molecular Genetics and Genomics Laboratory	
BIO 4308 & BIO 4108	Genes and Development and Genes and Development Laboratory	
<i>Anatomy and Physiology List</i>		3
BIO 3322	Human Physiology	
BIO 3429	Comparative Chordate Anatomy	
BIO 4317	Plant Physiology	
BIO 4431		
BIO 4432	General Human Anatomy	
<i>Ecology and Evolution List</i>		3
BIO 3320	Climate Change Biology	
BIO 4305	Aquatic Ecosystems	
BIO 4365	Topics in Evolution	
BIO 4381	Restoration Ecology	
<i>Science Communication List</i>		1
BIO 3100	Seminar in Biology	
BIO 3103	Ecology Laboratory	
BIO 3300	Advanced Topics in Biology	
BIO 3V9R	Research	
BIO 4199	Scientific Communication	
BIO 4V04	Biology Field Studies	
Seven semester hours of 3000-4000 level BIO courses <sup>1</sup>		7
<b>Total Hours</b>		<b>23</b>

<sup>1</sup> A maximum of 3 hours of BIO 3V9R and a maximum of 3 hours of BIO 4V9R may be used for elective credit.