INTEGRATIVE BIOLOGY
MAJOR OVERVIEW

Integrative Biology is the study of how the different components of life interact, from molecules through global cycles. The Integrative Biology (IB) major provides a solid foundation of knowledge and skills in the biological sciences by preparing students in genetics, physiology and development, behavior, ecology, and evolution.

After completion of the introductory biology courses, students then complete four core courses, which provides a foundation for the advanced coursework that is taken during the junior and senior years. Students complete the required additional coursework by either taking a variety of courses or specializing in pre-health, ecology and conservation, or biodiversity and organismal biology.

Degree Title: Bachelor Of Science In Liberal Arts And Sciences

REQUIREMENTS FOR THE B.S. DEGREE IN INTEGRATIVE BIOLOGY

- Courses in Biology, Chemistry, Math & Physics
- LAS General Education Courses (Gen Eds)
- Completion to the 4th Level of Language other than English
- Composition I & Advanced Composition
- Electives: Courses needed to complete the 120hrs required to graduate. can be non-science & math

MINIMUM HOURS REQUIRED FOR GRADUATION:	**120HRS**
SUPPORTING COURSEWORK:	28 - 34hrs
MATH 220 (Calculus) or MATH 221 (Calculus I)	4 - 5hrs
STATS 212 (Biostatistics)	3hrs
CHEM 102/103 & 104/105 (General Chemistry I & II)	8hrs
CHEM 232/233 (Organic Chemistry & Lab)	4hrs & 2hrs
PHYS 101 & 102 (College Physics) OR PHYS 211 & 212	8 - 10hrs
INTRODUCTORY BIOLOGY SEQUENCE:	8hrs
IB 150 Organismal & Evolutionary Biology	4hrs
MCB 150 Molecular & Cellular Basis of Life	4hrs
IB CORE COURSES:	16hrs
IB 202 Physiology & Lab	4hrs
IB 203 Ecology & Lab (Advanced Gen Ed Requirement)	4hrs
IB 204 Genetics & Lab	4hrs
IB 302 Evolution & Lab	4hrs
Additional Courses	14 - 17hrs
Additional advanced courses totaling a minimum of 14 hours at the 300-400 Level are required. Course selection from the list of Courses for IB Major Advanced Hours must include: 1. One course from two of the following three areas: Area I: Organismal & Evolutionary Biology Area II: Behavior, Ecology, & the Environment Area III: Integrative Anatomy, Physiology, & Molecular Biology 2. One course with a laboratory and/or field component.	
TOTAL	**66 - 75hrs**

Strongly Recommended: Students are encouraged to gain research experience (IB 290, 390, or IB 490). Students may count no more than 10 elective hours of IB 390/490 credit toward graduation.