

Student:		<p align="center"><b>Minimum 124 semester hours required for graduation</b></p> <p align="center"><b>18 of the last 24 hours must be at Houghton</b></p> <p align="center"><b>Must have 30 hours at Houghton</b></p> <p align="center"><i>Must have C- or above in each course to meet Major, Concentration, or Minor credit</i></p> <p align="center"><i>Must have 62 liberal arts credits for BS degree</i></p>	
Major: <b>Biology</b>			
Minor:			
<b>BS</b>	Advisor:		
<b>Biology Major (63 - 67 hrs)</b>			
<b>Integrative Studies</b> (see IS Audit Sheet – Creation: Lab Science and 2 <sup>nd</sup> Creation met by major)			
<b>Pre-Requisites</b>			<b>8 hrs</b>
(4) General Bio: Organisms to Ecosystems	LA	<b>Note:</b> unless a grade of C- is earned in the lecture component of both BIOL 151 and BIOL 152 students must enroll concurrently in BIOL 151 or BIOL 152 if also enrolling in 200 level or higher biology courses.	
(4) General Bio: Cellular Biology and Genetics	LA		
<b>Co-Requisites</b>			<b>28-32 hrs</b>
(4) General Chemistry I	LA	(4) General Chemistry II	LA
(4) Organic Chemistry I	LA	(4) Organic Chemistry II	LA
(4) General Physics I	LA	(4) General Physics II	LA
(4/4,4) Calculus I <b>OR</b> Calculus I with Pre-calculus A & B <b>OR</b> Calculus for Life Sciences A & B			LA
<b>Half of credits listed below must be taken at Houghton</b>			
<b>Core Requirements</b>			<b>11 hrs</b>
(4) Genetics	LA	(4) General Ecology	LA
(2) Senior Seminar	LA	(1) STEM Career Seminar	
<b>Organismal Biology</b> (choose <u>one</u> from the following)			<b>4 hrs</b>
(4) Wildlife Behavior in East Africa	LA	(4) Herpetology	LA
(4) Field Botany	LA	(4) Marine Biology	LA
(4) Animal Behavior	LA	(4) Ornithology	LA
<b>Biology Electives</b>			<b>12 hrs</b>
(4)	LA	(4)	LA
(4)	LA		
Experiential Biology (choose <u>one</u> from the following) (Note: credit hours towards the major are only earned with BIOL 394 or an approved course at Au Sable)			
Collaborative Research (4 hrs Biology elective)	LA	Field Course at Au Sable	EMT Basic Course
Pre-Med/Pre-Dental Practicum		NSF-Funded Summer Science internship	
Foundations of Health Development			