

Student:		Minimum 124 semester hours required for graduation 18 of the last 24 hours must be at Houghton Must have 30 hours at Houghton One half of major must be at Houghton <i>Must have C- or above in each course to meet Major, Concentration, or Minor credit</i> <i>Must have 93 liberal arts credits for BA degree</i>	
Major: Biology (Pre-Physical Therapy Emphasis)			
Minor: Pre-PT/Athletic Training			
BA	Advisor:		
Biology (Pre-PT Emphasis) Major (58-62 hrs)			
Integrative Studies (see IS Audit Sheet – Creation: Lab Science and 2 nd Creation met by major)			
Pre-Requisites			8 hrs
(4) General Bio: Organisms to Ecosystems	LA	Note: 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		
Co-Requisites			20-24 hrs
(4) General Chemistry I	LA	(4) General Chemistry II	LA
(4) Physics I	LA	(4) Physics II	LA
(4/4,4) Calculus I OR Calculus I with Pre-calculus A & B OR Calculus for Life Sciences A & B			LA
Half the credits listed below must be taken at Houghton			
Core Requirements			30 hrs
(4) Human Anatomy and Physiology I	LA	(4) Human Anatomy and Physiology II	LA
(4) Genetics	LA	(4) Physiology of Exercise	
(4) Kinesiology		(4)	LA
(2) Senior Seminar	LA	(4)	LA
Pre-PT Athletic Training Minor			14.5-16 hrs
(2/.5) First Aid & Safety OR First Aid/CPR/AED		(2) Therapeutic Exercise Management of Injuries	
(2) Therapeutic Modalities	(2) Pre-PT Field Experience I	(2) Pre-PT Field Experience II	
(3) Prevention, Assessment & Management of Lower Extremity Injuries			
(3) Prevention, Assessment & Management of Upper Extremity Injuries			
Highly recommended but not required:			
(1) STEM Career Seminar			