

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 62 liberal arts credits for BS degree</i>	
Major: Physics			
Minor:			
BS	Advisor:		
Physics Major (64 -68 hrs)			
General Education (see GenEd Audit Sheet)			
Prerequisites		16-20 hrs	
(4) PHYS 151 General Physics I	LA	(4) PHYS 152 General Physics II	LA
(4/4,4) MATH 181 Calculus I OR MATH 170/171 Calculus I with Pre-calculus A & B OR MATH 160 Mathematics for the Life Sciences and MATH 161 Calculus for the Life Sciences		LA	
(4) MATH 182 Calculus II	LA		
Co-Requisites		12 hrs	
(4) MATH 241 Differential Equations	LA	(4) MATH 225 Multivariate Calculus	LA
(4) CHEM 151 General Chemistry I	LA		
Half of credits listed below must be taken at Houghton			
Core Requirements		36 hrs	
(4) PHYS 251 Mechanics I	LA	(4) PHYS 152 Mechanics II	LA
(2) PHYS 212 Modern Physics	LA		
(1,1) PHYS 275, 276 Experimental Physics Lab	LA	(4) PHYS 355 Thermal Physics	LA
(4) PHYS 356 Quantum Mechanics	LA	(1,1) PHYS 471, 472 Physics Project Lab	LA
(4) PHYS 353 Electricity and Magnetism I	LA	(4) PHYS 354 Electricity and Magnetism II	LA
(1) PHYS 482 Physics Seminar	LA	(1) STEM 371 Career Seminar	
<u>Additional 4 hours in PHYS courses at or above 200 level</u>			
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<u>Additional recommended supporting courses:</u>			
(4) MATH 261 Linear Algebra	LA	(4) CHEM 152 General Chemistry II	LA
(4) CSCI 211 Programming I		(4) CSCI 236 Data Structures & Algorithms	
(4) PHIL 360 History & Philosophy of Science	LA		