

Student:		<b>Minimum 124 semester hours required for graduation</b> <b>18 of the last 24 hours must be at Houghton</b> <b>Must have 30 hours at Houghton</b> <b>One half of major must be at Houghton</b> <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: <b>Physics</b>			
Minor:			
<b>BS</b>	Advisor:		
<b>Physics Major (64 -68 hrs)</b>			
<b>Integrative Studies</b> (see IS Audit Sheet – Creation: Lab Science and 2 <sup>nd</sup> Creation met by major)			
<b>Prerequisites</b>		<b>16-20 hrs</b>	
(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
(4) Calculus II	LA		
<b>Co-Requisites</b>		<b>12 hrs</b>	
(4) Differential Equations	LA	(4) Multivariate Calculus	LA
(4) General Chemistry I	LA		
<b>Half of credits listed below must be taken at Houghton</b>			
<b>Core Requirements</b>		<b>36 hrs</b>	
(4) Mechanics I	LA	(4) Mechanics II	LA
(2) Modern Physics			LA
(1,1) Experimental Physics Lab	LA	(4) Thermal Physics	LA
(4) Quantum Mechanics	LA	(1,1) Physics Project Lab	LA
(4) Electricity and Magnetism I	LA	(4) Electricity and Magnetism II	LA
(1) Physics Seminar	LA	(1) STEM Career Seminar	
<b>Additional 4 hours in PHYS courses above 200 level</b>			
( )	LA	( )	LA
<b>Additional <u>recommended</u> supporting courses:</b>			
(4) Linear Algebra	LA	(4) General Chemistry II	LA
(4) Programming I		(4) Data Structures & Algorithms	
(4) History & Philosophy of Science	LA		