2017-2018 **Houghton College Degree Audit Sheet**

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** *Must have C- or above in each course to meet Major, Concentration, or Minor credit* *Must have 62 liberal arts credits for BS degree*
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 160/161 Calculus for Life Sciences A ***&*** B 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 352Mechanics 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</u> 4 hours in PHYS courses at or above 200 level	
( ) LA	( ) LA

Additional <u>recommended</u> supporting courses:	
(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	