

# Houghton University

## Applied Physics BS (69 hours)

Total Major LA Credits: 0

### Applied Physics Major Requirements

#### Core Courses\* (69 hours)

		Credits	Liberal Arts
<input type="checkbox"/>	CSCI 211 Programming I	4	
<input type="checkbox"/>	MATH 181 Calculus I	4	LA
<input type="checkbox"/>	MATH 182 Calculus II	4	LA
<input type="checkbox"/>	MATH 225 Multivariate Calculus	4	LA
<input type="checkbox"/>	MATH 241 Differential Equations	4	LA
<input type="checkbox"/>	PHYS 151 General Physics I	4	LA
<input type="checkbox"/>	PHYS 152 General Physics II	4	LA
<input type="checkbox"/>	PHYS 171 Intro to Engineering Design	2	
<input type="checkbox"/>	PHYS 212 Modern Physics	2	LA
<input type="checkbox"/>	PHYS 215 Statics	3	LA
<input type="checkbox"/>	PHYS 251 Dynamics	3	LA
<input type="checkbox"/>	PHYS 258 Analog Electronics	3	LA
<input type="checkbox"/>	PHYS 259 Digital Electronics	3	LA
<input type="checkbox"/>	PHYS 275 Experimental Physics Laboratory I	2	LA
<input type="checkbox"/>	PHYS 276 Experimental Physics Laboratory II	2	LA
<input type="checkbox"/>	PHYS	3	LA
<input type="checkbox"/>	PHYS 353 Electricity and Magnetism	3	LA
<input type="checkbox"/>	PHYS 355 Thermal Physics	3	LA
<input type="checkbox"/>	PHYS 371 Physics Project Lab	2	LA
<input type="checkbox"/>	PHYS 372 Physics Project Lab	2	LA
<input type="checkbox"/>	PHYS 373 Physics Project Lab	2	LA
<input type="checkbox"/>	PHYS 374 Physics Project Lab	2	LA
<input type="checkbox"/>	PHYS 482 Senior Capstone: Physics Seminar	3	LA
<input type="checkbox"/>	STEM 371 Career Seminar	1	

### Degree Requirements

Earned a C- or above in each Major/Concentration/Minor credit	<input type="checkbox"/>
Minimum of 124 credit hours completed	
Minimum of 62 Liberal Arts credits for a BS degree	
At least 50% of major completed through Houghton	<input type="checkbox"/>
30 credit hours from Houghton	<input type="checkbox"/>
18 of the last 24 credit hours are from Houghton	<input type="checkbox"/>

*Official degree and program requirements are housed in the Registrar's Office. This degree audit worksheet serves as an advising tool; it is not a contract, an academic transcript, or an official notification of completion of degree/program requirements. It is the student's responsibility to be aware of and understand the requirements of his/her degree program. If assistance is needed, students should consult their academic advisor and the University's academic catalog.*

## \*Detailed Options

### Core Course Options

PHYS 352 Advanced Mechanics	3	LA
or		

PHYS 354	Advanced Electricity and Magnetism	3	LA
	<u>or</u>		
PHYS 356	Quantum Mechanics	3	LA