HOUGHTON COLLEGE

# 2019-2020 Houghton College Degree Audit Sheet

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| Student: | **Minimum 124 semester hours required for graduation**<br>**18 of the last 24 hours must be at Houghton**<br>**Must have 30 hours at Houghton**<br>**One half of major must be at Houghton**<br>*Must have C- or above in each course to meet Major, Concentration, or Minor credit*<br>*Must have 62 liberal arts credits for BS degree* |
| Major: **Physics** | |
| Minor: | |
| **BS** Advisor: | |

| ***Physics Major*** | ***(84 hrs)*** | | |
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| ***General Education*** *(see GenEd Audit Sheet)* | | | |
| **Half of credits listed below must be taken at Houghton** | | | |
| ***Core Requirements*** | **84 hrs** | | |
| (4) CHEM 151 General Chemistry I | LA | (3) PHYS 352 Advanced Mechanics | LA |
| (3) ENGR 171 Introduction to Engineering Design | | (3) PHYS 353 Electricity & Magnetism | LA |
| (4) ENGR 211 Programming for Engineers | | (3) PHYS 354 Advanced Electricity & Magnetism | LA |
| (3) ENGR 222 Dynamics | | (3) PHYS 355 Statistical Mechanics | LA |
| (3) ENGR 323 Thermodynamics | | (3) PHYS 356 Quantum Mechanics | LA |
| (4) MATH 181 Calculus I | LA | (2) PHYS 371 Physics Project Lab | LA |
| (4) MATH 182 Calculus II | LA | (2) PHYS 372 Physics Project Lab | LA |
| (4) MATH 225 Multivariate Calculus | LA | (2) PHYS 373 Physics Project Lab | LA |
| (4) MATH 241 Differential Equations | LA | (2) PHYS 374 Physics Project Lab | LA |
| (4) PHYS 151 General Physics I | LA | (2) PHYS 375 Physics Project Lab | LA |
| (4) PHYS 152 General Physics II | LA | PHYS or ENGR course numbered 200 or above | |
| (2) PHYS 212 Modern Physics | LA | (3) | |
| (2) PHYS 275 Experimental Physics Lab I | LA | (3) PHYS 482 Capstone Physics Research | LA |
| (2) PHYS 276 Experimental Physics Lab II | LA | (1) STEM 371 Career Seminar | |
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