# 2021-22 Houghton College Degree Audit Sheet

**Student:**

**Major:** Chemistry

**Minor:**

**BS Advisor:**

## Chemistry Major (64-68 hrs)

### General Education (see GenEd Audit Sheet)

### Prerequisites 8 hrs

- (4) CHEM 151 General Chemistry I LA
- (4) CHEM 152 General Chemistry II LA

### Co-Requisites 20-24 hrs

- (4) PHYS 151 General Physics I LA
- (4) PHYS 152 General Physics II LA
- (4) MATH 181 Calculus I or MATH 161 Calculus for the Life Sciences LA
- (4) MATH 241 Differential Equations or MATH 225 Multivariate Calculus LA
- (4) MATH 182 Calculus II LA

Half of credits listed below must be taken at Houghton

### Core Requirements 28 hrs

- (4) CHEM 241 Organic Chemistry I LA
- (4) CHEM 361 Physical Chemistry I LA
- (4) CHEM 242 Organic Chemistry II LA
- (4) CHEM 362 Physical Chemistry II LA
- (4) CHEM 277 Analytical Chemistry LA
- (1) CHEM 482 Senior Capstone: Chem. Seminar LA
- (4) CHEM 278 Chem. Instrumentation in Research LA
- (1) STEM 371 Career Seminar
- (2) CHEM 286 Chemistry Special Topics LA **Research strongly encouraged**

### Chemistry Electives (300+ level; at least one of the following: CHEM 332, 343, or 453) 8 hrs

- (4) CHEM LA
- (4) CHEM LA

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8-23-21