

Houghton University

Chemistry BS

(36 hours in core; 20–24 corequisite hours; 8 prerequisite hours)

Total Major LA Credits: 0

Chemistry Major Requirements

Prerequisite Courses (8 hours)

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CHEM 151 General Chemistry I

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CHEM 152 General Chemistry II

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LA

Corequisite Courses* (20-24 hours)

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MATH 1

MATH 182 Calculus II

MATH 2

PHYS 151 General Physics I

PHYS 152 General Physics II

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Core Courses* (36 hours)

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CHEM 241 Organic Chemistry I

CHEM 242 Organic Chemistry II

CHEM 277 Analytical Chemistry

CHEM 278 Chemical Instrumentation in Research

CHEM 287 Medicinal Chemistry or CHEM 286 Special Topics in Chemistry

CHEM 361 Physical Chemistry I

CHEM 362 Physical Chemistry II

CHEM

CHEM

CHEM

CHEM 482 Senior Capstone: Chemistry Seminar

STEM 371 Career Seminar

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Degree Requirements

Earned a C- or above in each Major/Concentration/Minor credit	<input type="checkbox"/>
Minimum of 124 credit hours completed	<input type="checkbox"/>
Minimum of 62 Liberal Arts credits	<input type="checkbox"/>
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

Corequisite Options

MATH 170/171 Calculus I with Pre-calculus A and B (4 LA, 4 LA) or MATH 181 Calculus I (4 LA)
MATH 225 Multivariate Calculus (4 LA) or MATH 241 Differential Equations (4 LA)

Core Course Options

8 additional hours in chemistry selected from courses numbered above 300, including at least one of the following:

CHEM 332	Biochemistry I	3	LA
CHEM 343	Advanced Organic Chemistry	3	LA
CHEM 453	Advanced Inorganic Chemistry	3	LA

Recommended Courses

Research strongly encouraged