

Houghton University

Biochemistry BS-BA

(39 hours in core; 12–16 corequisite hours; 12 prerequisite hours)

Total Major LA Credits: 0

Biochemistry Major Requirements

Prerequisite Courses (12 hours)

| |
|--------------------------|
| <input type="checkbox"/> |
| <input type="checkbox"/> |
| <input type="checkbox"/> |

| | Credits | Liberal Arts |
|---|---------|--------------|
| BIOL 152 General Biology: Cellular Biology and Genetics | 4 | LA |
| CHEM 151 General Chemistry I | 4 | LA |
| CHEM 152 General Chemistry II | 4 | LA |

Corequisite Courses* (12-16 hours)

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| <input type="checkbox"/> |
| <input type="checkbox"/> |
| <input type="checkbox"/> |

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|-----------------------------|---|----|
| MATH | | LA |
| PHYS 151 General Physics I | 4 | LA |
| PHYS 152 General Physics II | 4 | LA |

Core Courses (39 hours)

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|---|---|----|
| BIOCHM 480 Capstone: Seminar in Biochemistry | 1 | LA |
| BIOL 251 Genetics | 4 | LA |
| BIOL 370 Molecular and Cell Biology | 4 | LA |
| BIOL Elective | 4 | |
| CHEM 241 Organic Chemistry I | 4 | LA |
| CHEM 242 Organic Chemistry II | 4 | LA |
| CHEM 278 Chemical Instrumentation in Research | 4 | LA |
| CHEM 287 Medicinal Chemistry <i>or</i> CHEM 286 Special Topics in Chemistry | 2 | LA |
| CHEM 332 Biochemistry I | 3 | LA |
| CHEM 334 Biochemistry Lab I | 1 | LA |
| CHEM 333 Biochemistry II | 3 | LA |
| CHEM 335 Biochemistry Lab II | 1 | LA |
| CHEM 352 Physical Principles | 3 | LA |
| 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; 93 Liberal Arts credits for a BA 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

Corequisite Options

| | | | |
|--------------|--------------------------------------|------|--------|
| MATH 170/171 | Calculus I with Pre-calculus A and B | 4, 4 | LA, LA |
|--------------|--------------------------------------|------|--------|

Recommended Courses

CSCI 211 Programming I

PSY/BADM 309 Statistics

Research strongly encouraged