# Bachelor of Science (BS) in Biochemistry

**Min. Total Credits:** 122 (110 in core & major + 12 in electives)

## UHM General Education Core Requirements

### Foundations
- **FW**: ENG 100, 100A, 190, ESL 100, or AMST 111
- **FS**: MATH 2154, 241, 251A
- **FG**: (A / B / C)
- **FG**: (A / B / C)

### Diversification
- **DA / DH / DL**
- **DA / DH / DL**
- **DB**: BIOL 171
- **DP**: CHEM 161
- **DY**: CHEM 161L
- **DS**
- **DS**

*See degree, college and major requirements for courses that can also fulfill these.*

## UHM Graduation Requirements

### Focus
- **H**
- **E**: (300+)
- **O**: (300+)

- **W**
- **W**
- **W**
- **W**: (300+)
- **W**: (300+)

### Hawaiian / Second Language
- **101**
- **102**
- **201**
- **202**

### Credit Minimums
- 120 total applicable
- 30 in residence at UHM
- 35 major-required lower division/25 upper division (300+ level) credits

### Grade Point Average
- 2.0 cumulative or higher *(Note: Other GPAs may be required.)*
- Good academic standing

### Degree Requirements

#### Bachelor of Science Requirements
- **Calculus I**
- **Calculus II**
- **Chemistry I with lab**
- **Chemistry II with lab**
- **Physics I with lab**
- **Physics II with lab**

*Refer to major requirements for the specific courses that satisfy these requirements.*

#### College Requirements

#### Credit Maximums
- 8 KRS activity
- 9 Directed Reading / Research
- 12 Practicum / Internship

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This program sheet was prepared to provide information and does not constitute a contract. See back for major requirements. Meet regularly with your major advisor.
### Major Requirements for BS in Biochemistry

**Admission:** Open

**Application:** NA

Min. major credits: 55 (80 with related requirements)

Min. C grade (not C-) in prerequisite CHEM courses

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#### Requirements

**Biochemistry Related Requirements (25 credits)**

- CHEM 161* DP / 161L* DY (C, not C-, or higher to advance)
- CHEM 162* DP / 162L* DY (C, not C-, or higher to advance)
- MATH 241* or 251A* or 215
- MATH 242 or 252A
- PHYS 170* DP / 170L* DY
- PHYS 272* DP / 272L* DY (C, not C-, or higher to advance)

**Biochemistry Core Courses (55 credits in CHEM courses numbers 200 and above)**

- CHEM 272* DP / 272L* DY (C, not C-, or higher to advance)
- CHEM 273* DP / 273L* DY
- CHEM 274 / 274L (offered Spring only)
- CHEM 361 (or 351 or 352)
- CHEM 372
- CHEM 462
- CHEM 463L
- BIOL 171* DP / 171L* DY (C, not C-, or higher to advance)
- BIOL 172* DP / 172L* DY (C, not C-, or higher to advance)
- BIOL 275* DP / 275L* DY (C, not C-, or higher to advance)
- BIOL/MBBE/PEPS 402

**Biochemistry Electives**

**14 credits** including 2 laboratory courses from the approved list of courses. At least one course must be from CHEM courses:

- CHEM __________ / __________
- ________/__________ L

**Approved Courses:**


**Note:** Please consult with your Chemistry advisor regarding minimum grade and GPA requirements and projected changes to course offerings.

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**Notes**

Chemistry Department: Bilger 239; (808) 956-7480; chemdept@hawaii.edu; manoa.hawaii.edu/chem

Biochemistry Major Advisor: Joseph T. Jarrett, PhD; (808) 956-6721; jtj@hawaii.edu

Registration Inquiries: chemreg@hawaii.edu

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