### UHM General Education Core Requirements

#### Foundations
- FW: ENG 100, 100A, 190, ESL 100, or AMST 111
- FS: MATH 215, 241, or 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

---

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 BA in Biochemistry

**Admission:** Open  
**Application:** NA  
**Min. major credits:** 63 (71 with related requirements)  
**Min. C grade (not C-):** in prerequisite CHEM courses

### Requirements

#### Biochemistry Related Requirements (8 credits)
- CHEM 161* / CHEM 161L*  
- CHEM 162* / CHEM 162L*  
(C, not C-, or higher to advance)

#### Biochemistry Core Courses (53 credits)
- CHEM 272* / CHEM 272L*  
(C, not C-, or higher to advance)
- CHEM 273* / CHEM 273L*  
- CHEM 274 / CHEM 274L  
(offered Spring only)
- CHEM 361 (or 351 or 352)
- CHEM 372
- BIOL/MBBE/PEPS 402
- BIOL 171* / BIOL 171L*  
(C, not C-, or higher to advance)
- BIOL 172* / BIOL 172L*  
(C, not C-, or higher to advance)
- BIOL 275* / BIOL 275L*  
(C, not C-, or higher to advance)
- MATH 215 or 241 or 251A
- MATH 242 or 252A
- PHYS 170* / PHYS 170L* or 170A
- PHYS 272* / PHYS 272L* or 272A

#### Biochemistry Electives
10 credits including one laboratory course from the approved list of courses:
- __________  
- __________  
- __________  
- __________  

**Approved Courses:**

**Recommended language:** German, French, Russian, or Japanese

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

### 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; jjj@hawaii.edu  
- Registration Inquiries: chemreg@hawaii.edu

---

Rev. 9/16