# Bachelor of Science (BS) in Chemistry

**Admissions:** Open  
**Process:** Declaration  
**Min. Total Credits:** 120 (97 in core & major + 23 in electives)

## UHM General Education Core Requirements

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<td>FW ENG 100, 100A, 190, or ESL 100</td>
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<td>FS MATH 241, 251A</td>
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<td>DY CHEM 161L, 162L, 272L, 273L</td>
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* 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 non-introductory/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 Chemistry

**Admission:** Open  
**Application:** NA  
**Min. major credits:** 41 (57 with related requirements)  
**Min. C grade (not C-) in prerequisite CHEM courses**

### Requirements

**Chemistry Related Requirements (16 credits)**
- CHEM 161* / CHEM 161L* (C, not C-, or higher to advance)
- CHEM 162* / CHEM 162L* (C, not C-, or higher to advance)
- MATH 241* or 251A*  

**Chemistry Core Courses (41 credits in CHEM courses numbered 200 and above)**
- CHEM 272* / CHEM 272L* (C, not C-, or higher to advance)
- CHEM 273* / CHEM 273L*  
- CHEM 274 / CHEM 274L (offered Spring only)
- CHEM 351 (offered Fall only)
- CHEM 352 / CHEM 352L (offered Spring only)
- Biochemistry (CHEM 372DB or BIOC 441DB or BIOL/MBBE/PEPS 402DB)  
- MATH 243 or 253A (C, not C-, or higher to advance)
- PHYS 170* / PHYS 170L (offered Spring only)
- PHYS 272* / PHYS 272L (C, not C-, or higher to advance)

**Min. 3 credits from:** CHEM 399, 601, 602, 622, 641, 642, 643, 651, 652, 653, or 657
- __________
- __________
- __________

**Recommended electives:** MATH 244 and PHYS 274  
**Recommended language:** German or French

*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  
Chemistry Undergraduate Chair: Kristin Kumashiro, PhD; (808) 956-7480; kumashir@hawaii.edu