### UHM General Education Core Requirements

#### Foundations
- FW
- FS
- FG (A / B / C)
- FG (A / B / C)

#### Diversification
- DA / DH / DL
- DA / DH / DL
- DB
- DP
- DY
- 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
- 60 non-introductory

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

### Degree Requirements

#### Bachelor of Science Requirements
- MATH 215*FS or 241*FS
- MATH 216 or 242
- DB course
- CHEM 161*DP / 161L*DY
- CHEM 162*DP / 162L*DY
- PHYS 151*DP or 170*DP / 151L*DY or 170L*DY
- PHYS 152*DP or 272*DP / 152L*DY or 272L*DY

#### College Requirements
See degree requirements above.

#### 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 (69 with related requirements)  
**Min. C grade (not C-) in courses**

### Requirements

#### Chemistry Related Requirements (28-29 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*FS or 251A*FS
- MATH 242 or 252A
- PHYS 170*DP / 170L*DY
- PHYS 272*DP / 272L*DY (C, not C-, or higher to advance)

#### Chemistry Core Courses (22 credits)

- CHEM 272*DP / 272L*DY (C, not C-, or higher to advance)
- CHEM 273*DP / 273L*DY
- CHEM 274 (offered Spring only)
- CHEM 351 (offered Fall only)
- CHEM 352 / 352L (offered Spring only)

**BS only (19-20 credits; check catalog for prerequisites)**

- CHEM 372, BIOC 441, or BIOL 402/MBBE 402/PEPS 402
- CHEM 422 (offered Spring only)
- CHEM 425 / 425L (offered Fall only)
- CHEM 445 / 445L (offered Spring only)

**Min. 3 credits** from the following: CHEM 399, 601, 602, 622, 641, 642, 643, 651, 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

- Colleges of Arts and Sciences Student Academic Services: QLCSS 113; (808) 956-8755  
- Chemistry Department: Bilger 239; (808) 956-7480; office@gold.chem.hawaii.edu; manoa.hawaii.edu/chem  
- Chemistry Undergraduate Chair: Kristin Kumashiro, PhD; (808) 956-7480; kumashir@hawaii.edu  