



University of Hawai'i at Mānoa
Colleges of Arts & Sciences Program Sheet 2016-2017
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
Foundations
<input type="checkbox"/> FW ENG 100, 100A, 190, ESL 100, or AMST 111
<input type="checkbox"/> FS MATH 241, 251A
<input type="checkbox"/> FG (A / B / C)
<input type="checkbox"/> FG (A / B / C)
Diversification
<input type="checkbox"/> DA / DH / DL
<input type="checkbox"/> DA / DH / DL
<input type="checkbox"/> DB
<input type="checkbox"/> DP CHEM 161, 162, 272, 273
<input type="checkbox"/> DY CHEM 161L, 162L, 272L, 273L
<input type="checkbox"/> DS
<input type="checkbox"/> DS
<i>* See degree, college and major requirements for courses that can also fulfill these.</i>
UHM Graduation Requirements
Focus
<input type="checkbox"/> H
<input type="checkbox"/> E (300+)
<input type="checkbox"/> O (300+)
<input type="checkbox"/> W
<input type="checkbox"/> W
<input type="checkbox"/> W
<input type="checkbox"/> W (300+)
<input type="checkbox"/> W (300+)
Hawaiian / Second Language
<input type="checkbox"/> 101
<input type="checkbox"/> 102
<input type="checkbox"/> 201
<input type="checkbox"/> 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 (<i>Note: Other GPAs may be required.</i>)
• Good academic standing

Degree Requirements
Bachelor of Science Requirements
<input type="checkbox"/> Calculus I
<input type="checkbox"/> Calculus II
<input type="checkbox"/> Chemistry I with lab
<input type="checkbox"/> Chemistry II with lab
<input type="checkbox"/> Physics I with lab
<input type="checkbox"/> Physics II with lab
<i>Refer to major requirements for the specific courses that satisfy these requirements.</i>
College Requirements
Credit Maximums
• 8 KRS activity
• 9 Directed Reading / Research
• 12 Practicum / Internship

*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*^{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

Chemistry Core Courses (41 credits in CHEM courses numbered 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 351 (offered Fall only)

CHEM 352 / 352L (offered Spring only)

Biochemistry (CHEM 372^{DB} or BIOC 441^{DB} or BIOL/MBBE/PEPS 402^{DB})

CHEM 425 / 425L (offered Fall only)

CHEM 427 (offered Spring only)

CHEM 445 / 445L (offered Spring only)

MATH 243 or 253A (C, not C-, or higher to advance)

PHYS 170*^{DP} / 170L*^{DY}

PHYS 272*^{DP} / 272L*^{DY} (C, not C-, or higher to advance)

Min. **3 credits** from: CHEM 399, 399L, 601, 602, 622, 641, 642, 643, 651, 652, 653, or 657 (CHEM 399 and 399L may be combined to provide 3 total credits)

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Recommended non-major 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
Registration Inquiries: chemreg@hawaii.edu