# Bachelor of Education (BEd) in Secondary Education

**Specialization: Chemistry**

**Admissions:** Selective  
**Process:** Application  
**Min. Total Credits:** 120 (111 in core & major + 9 in electives)

## UHM General Education Core Requirements

### Foundations
- FW: ENG 100, 100A, 190, or ESL 100
- FS: MATH 215, 241, or NREM 203
- FG (A / B / C)
- FG (A / B / C)

### Diversification
- DA / DH / DL
- DB: BIOL 171
- DP: CHEM 161, PHYS 170
- DY: CHEM 161L, BIOL 171L, PHYS 170L
- DS: EDEF 310
- DS: EDEF 311

* 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 (300+)
- W (300+)

### Hawaiian / Second Language
- The Hawaiian or Second Language requirement is **not** required for students admitted to the College of Education.

### Credit Minimums
- 120 total applicable
- 30 in residence at UHM
- 45 upper division (300+ level) credits

### Grade Point Average
- 2.0 cumulative or higher *(Note: Other GPAs may be required)*
- To graduate from COE, students must meet the college’s higher GPA requirement(s).
- Good academic standing

## College Requirements

### Licensure Track Admission Requirements
- Fall and Spring admission.
- Submit an application no later than the following:
  - March 1 for fall semester  
    (Feb 1 priority deadline)
  - September 1 for spring semester  
    (Aug 1 priority deadline)
- 2.50 cumulative GPA in all post-secondary institutions
- 2.50 cumulative GPA in academic major
- 55 credits
- Completion of all UHM General Education Core and any additional Licensure Track Prerequisites.
- Applicants who have completed an articulated A.A. degree from a UH Community College are considered to have met the UHM General Education Core Requirements with possible exceptions (see an academic advisor).
- Official minimum state passing scores on the basic skills licensure test(s) as approved by the College of Education (COE) and aligned with the Hawaii Teacher Standards Board (HTSB) policy. Note that HTSB and COE requirements may differ. Please see a COE OSAS advisor for the latest information.
- 40 hours of documented current group leadership involvement with secondary-aged youth.
- Personal admissions interview.

### Licensure Track Prerequisites
- BIOL 171*DB / 171L*DY
- CHEM 161*DP / 161L*DY
- PHYS 170*DP / 170L*DY
- MATH 215*DF or 241*DS or NREM 203*FS

### Required Graduation Grade Point Averages
- 2.50 cumulative GPA or higher
- 2.50 GPA or higher in the major

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This program sheet was prepared to provide information and does not constitute a contract. Meet regularly with your department’s undergraduate advisor to ensure you are on track with your major requirements.
Major Requirements for BEd in Secondary Education

Specialization: Chemistry

Admission to Licensure Track: Complete all General Education and Licensure Track prerequisites.

Application: Deadline = March 1 for Fall entrance; September 1 for Spring entrance

Min. major credits: 75-76 (91 with related requirements)

Min. C grade (not C-) in Education courses

Requirements

Chemistry Major Related Requirements (7 credits)

Related Courses

- MATH 242
- MATH 243

Professional Education Core Courses (33 credits)

Required Courses

- EDEF 310*DS
- EDEF 311*DS
- ITE 401
- ITE 402
- ITE 404H
- ITE 405H
- ITE 406H
- ITE 440
- SPED 445

ITE 402 and 404H: concurrent registration required and courses are only offered in the Fall. ITE 405H & 406H: concurrent registration required; PRAXIS II Content Knowledge Test(s) must be passed with minimal State passing score(s) in subject area(s) in order to submit a Student Teaching Application.

Chemistry Academic Major and Related Courses in Teaching Field (42-44 credits)

Chemistry Academic Major Science Core Courses (22-23 credits)

- BIOL 172 or BIOL 172L or higher
- CHEM 162 or 171 or CHEM 162L or 171L

Earth Science Foundation

7 credits (must include one lab) of the following:

- ASTR 110 or ASTR 240
- GG 101/101L or GG 103 or GG 104
- OCN 201/201L
- MET 101/101L
- GG 105
- GG 106
- GG 170
- GEOG 426
- OEST 101

Physics Foundation

- PHYS 272 or PHYS 272L

History/Philosophy of Science Foundation

3 credits from the following:

- HIST 394*DH, 395*DH, 436, 439; PHIL 308*DH, 316*DH; or PHIL/OCN 315*DH

Chemistry Teaching Field Core Courses (17 credits)

Organic Chemistry

- CHEM 272 or CHEM 272L
- CHEM 273 or CHEM 273L

Analytical Chemistry

- CHEM 274 or CHEM 274L

Physical or Bio-organic Chemistry

- CHEM 351 or CHEM 372

Chemistry Academic Major Additional Courses (3-4 credits)

Computer Science

- ICS 101B or ICS 101T or LTEC 442

Optional Chemistry Academic Major Elective Courses: BIOL/MBBE 402/402L, BIOC 441/441L

Dual Preparation in Hawaiian Language Immersion is available. Contact puuhonua@hawaii.edu for more information.

Notes

College of Education, Office of Student Academic Services: Everly 126; (808) 956-7915; osas@hawaii.edu; coe.hawaii.edu

Education Faculty Advisors:

- Denise Abara; Everly 126; (808) 956-5192; dabara@hawaii.edu
- Tom Benjamin; Laulima 217 at UH Ctr-Maui CC; (808) 984-3526; tbenjamin@hawaii.edu
- Pohai Kukea Shultz; Everly 126; (808) 956-2526; pohai@hawaii.edu
- Niki Libarios; Everly 126; (808) 956-4268; nlibario@hawaii.edu
- Denise Nakaoka; Everly 126; (808) 956-4274; nakaoka@hawaii.edu
- Karen Wilson; B3 at UH Ctr-West Hawai‘i; (808) 322-1549; wilsonkl@hawaii.edu
- Melvin Spencer; Everly 126; (808) 956-4269; melvins@hawaii.edu

Pu‘uhonua: Hale for Native Hawaiian Student Support, puuhonua@hawaii.edu
Puahia: First Year & Transfer Student Support, puahia@hawaii.edu
Tinalak: Filipino Student Support, tinalak@hawaii.edu

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