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**

<table>
<thead>
<tr>
<th>Foundations</th>
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<tbody>
<tr>
<td>FW ENG 100, 100A, 190, ESL 100, or AMST 111</td>
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<tr>
<td>FS MATH 215 or 241</td>
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<tr>
<td>FG (A / B / C)</td>
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<td>FG (A / B / C)</td>
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<table>
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<tr>
<th>Diversification</th>
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<tbody>
<tr>
<td>DH HIST 394, 395, 436, 439; PHIL 308, or 316</td>
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<td>DA / DL</td>
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<tr>
<td>DB BIOL 171</td>
<td></td>
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<tr>
<td>DP CHEM 161, PHYS 170</td>
<td></td>
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<tr>
<td>DY CHEM 161L, BIOL 171L, PHYS 170L</td>
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<tr>
<td>DS EDEF 310</td>
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<td>DS EDEP 311</td>
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* See degree, college and major requirements for courses that can also fulfill these.

**UHM Graduation Requirements**

<table>
<thead>
<tr>
<th>Focus</th>
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<td>E (300+)</td>
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**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**

<table>
<thead>
<tr>
<th>Licensure Track Admission Requirements</th>
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<tbody>
<tr>
<td>Spring admission.</td>
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<td>Submit an application no later than the following:</td>
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<td>October 1 for spring semester</td>
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<td>(Sept 1 priority deadline)</td>
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<tr>
<td>2.50 cumulative GPA in all post-secondary institutions</td>
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<tr>
<td>2.50 cumulative GPA in academic major</td>
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<tr>
<td>55 credits</td>
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<tr>
<td>Completion of all UHM General Education Core and any additional Licensure Track Prerequisites.</td>
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<tr>
<td>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).</td>
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<tr>
<td>40 hours of documented current group leadership involvement with secondary-aged youth.</td>
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<tr>
<td>Personal admissions interview.</td>
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</table>

**Licensure Track Prerequisites**

| BIOL 171<sup>a/b</sup> / BIOL 171L<sup>a/b</sup> |       |
| CHEM 161<sup>a/b</sup> / CHEM 161L<sup>a/b</sup> |       |
| PHYS 170<sup>a/b</sup> / PHYS 170L<sup>a/b</sup> |       |
| MATH 215<sup>a/b</sup> or 241<sup>a/b</sup> |       |

**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 = October 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
- EDEF 311
- 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)

Completion of 50% of the coursework in the academic major is highly recommended prior to admissions to the Licensure Track.

Biology Foundation
- BIOL 172 / BIOL 172L or higher

Chemistry Foundation
- CHEM 162 or 171 / CHEM 162L or 171L

Earth Science Foundation
- 7 credits (must include one lab) of the following:
  - ASTR 110 or ASTR 210
  - ATMO 101/101L
  - GG 106
  - GEOG 426
  - GG 101/101L or GG 103 or GG 104
  - GG 102
  - GG 130
  - GG 170
  - OCN 201/201L

Physics Foundation
- PHYS 272 / PHYS 272L

History/Philosophy of Science Foundation
- 3 credits from the following:
  - HIST 394
  - HIST 395
  - 436, 439
  - PHIL 308
  - PHIL 316
  - PHIL/OCN 315

Chemistry Teaching Field Core Courses (17 credits)

Organic Chemistry
- CHEM 272
- CHEM 272L

Analytical Chemistry
- CHEM 274
- CHEM 274L

Physical or Bio-organic Chemistry
- CHEM 351
- CHEM 372

Chemistry Academic Major Additional Courses (3-4 credits)

Computer Science
- ICS 101
- LTEC 442

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

Notes

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

Director: Niki Libarios; Everly 126; (808) 956-4268; nlibario@hawaii.edu

Associate Director: Denise Nakaoka; Everly 126; (808) 956-4274; nakaoka@hawaii.edu

Education Faculty Advisors: Denise Abara; Everly 126; (808) 956-5192; dabara@hawaii.edu
Laurie Akana; Everly 126; (808) 956-6695; akanalk@hawaii.edu
Alyssa Kapaona; Everly 126; (808) 956-4269; akapaona@hawaii.edu
Reid Kuioka; Everly 126; (808) 956-5371; rkuioka@hawaii.edu
Karen Wilson; UH Ctr-Pālamanui; (808) 209-8031; (808) 984-3526; wilsonkl@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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