



University of Hawai'i at Mānoa
College of Education Program Sheet 2015-2016
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
<input type="checkbox"/> FW ENG 100, 100A, 190, or ESL 100
<input type="checkbox"/> FS MATH 215, 241, or NREM 203
<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 BIOL 171
<input type="checkbox"/> DP CHEM 161, PHYS 170
<input type="checkbox"/> DY CHEM 161L, BIOL 171L, PHYS 170L
<input type="checkbox"/> DS EDEF 310
<input type="checkbox"/> DS EDEP 311
<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
<ul style="list-style-type: none"> The Hawaiian or Second Language requirement is not required for students admitted to the College of Education.
Credit Minimums
<ul style="list-style-type: none"> 120 total applicable 30 in residence at UHM 45 upper division (300+ level) credits
Grade Point Average
<ul style="list-style-type: none"> 2.0 cumulative or higher (<i>Note: Other GPAs may be required</i>) To graduate from COE, students must meet the college's higher GPA requirement(s). Good academic standing

College Requirements
Licensure Track Admission Requirements
<ul style="list-style-type: none"> Fall and Spring admission. Submit an application no later than the following: <ul style="list-style-type: none"> 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
<input type="checkbox"/> BIOL 171* ^{DB} / <input type="checkbox"/> 171L* ^{DY}
<input type="checkbox"/> CHEM 161* ^{DP} / <input type="checkbox"/> 161L* ^{DY}
<input type="checkbox"/> PHYS 170* ^{DP} / <input type="checkbox"/> 170L* ^{DY}
<input type="checkbox"/> MATH 215* ^{FS} or 241* ^{FS} or NREM 203* ^{FS}
Required Graduation Grade Point Averages
<ul style="list-style-type: none"> 2.50 cumulative GPA or higher 2.50 GPA or higher in the major

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	<input type="checkbox"/> EDEF 310* ^{DS}	<input type="checkbox"/> EDEP 311* ^{DS}	<input type="checkbox"/> ITE 401	<input type="checkbox"/> ITE 402
	<input type="checkbox"/> ITE 404H	<input type="checkbox"/> ITE 405H	<input type="checkbox"/> ITE 406H	<input type="checkbox"/> ITE 440
	<input type="checkbox"/> 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:

<input type="checkbox"/> ASTR 110 or ASTR 240	<input type="checkbox"/> GG 101/101L or GG 103 or GG 104
<input type="checkbox"/> OCN 201/201L	<input type="checkbox"/> MET 101/101L <input type="checkbox"/> GG 102
<input type="checkbox"/> GG 105	<input type="checkbox"/> GG 106 <input type="checkbox"/> GG 130
<input type="checkbox"/> GG 170	<input type="checkbox"/> GEOG 426 <input type="checkbox"/> OEST 101

Physics Foundation PHYS 272 / 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 / 272L CHEM 273 / 273L**Analytical Chemistry** CHEM 274 / 274L**Physical or Bio-organic Chemistry** CHEM 351 or CHEM 372**Chemistry Academic Major Additional Courses (3-4 credits)****Computer Science** ICS 101B or 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
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 Karen Wilson; B3 at UH Ctr-West Hawai'i; (808) 322-1549; wilsonkl@hawaii.edu

Director: 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