



University of Hawai'i at Mānoa
College of Education Program Sheet 2012-2013
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
<input type="checkbox"/> FS
<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
<input type="checkbox"/> DY
<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
<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 Pre-Admissions Requirements. 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). PRAXIS I (PPST/C-PPST): Minimal state passing scores in reading, writing, and mathematics subtests. 40 hours of documented current group leadership involvement with secondary-aged youth. Personal admissions interview. Note: PRAXIS II Content Knowledge Test(s): must be passed with minimal State passing score(s) in subject area(s) to qualify for Student Teaching Residency.
Pre-Licensure Track Requirements (16-21 credits)
<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 Pre-Licensure requirements

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	<input type="checkbox"/> MATH 242	<input type="checkbox"/> MATH 243
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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; students must pass the PRAXIS Subject Assessment Content Knowledge Test(s) and submit official documentation of their scores before the start of their Student Teaching Residency (ITE 405H & 406H) semester.

Chemistry Academic Major and Related Courses in Teaching Field (42-43 credits)**Chemistry Academic Major Science Core Courses (22 credits)**

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

Biology Foundation	<input type="checkbox"/> BIOL 172 / <input type="checkbox"/> BIOL 172L or higher
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Chemistry Foundation	<input type="checkbox"/> CHEM 162 or 171 / <input type="checkbox"/> CHEM 162L or 171L
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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 326	<input type="checkbox"/> OEST 101

Physics Foundation	<input type="checkbox"/> PHYS 272 / <input type="checkbox"/> PHYS 272L
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History/Philosophy of Science Foundation	3 credits from the following: <input type="checkbox"/> _____ HIST 394* ^{DH} , 395* ^{DH} , 436, 439; PHIL 308* ^{DH} , 316* ^{DH} ; or PHIL/OCN 315* ^{DH}
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Chemistry Teaching Field Core Courses (17 credits)

Organic Chemistry	<input type="checkbox"/> CHEM 272 / <input type="checkbox"/> 272L <input type="checkbox"/> CHEM 273 / <input type="checkbox"/> 273L
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Analytical Chemistry	<input type="checkbox"/> CHEM 274 / <input type="checkbox"/> 274L
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Physical or Bio-organic Chemistry	<input type="checkbox"/> CHEM 351 or CHEM 372
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Chemistry Academic Major Additional Courses (3-4) credits

Computer Science	<input type="checkbox"/> ICS 101 or <input type="checkbox"/> ETEC 442
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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
 Education Faculty Advisors: Denise Abara; Everly 126; (808) 956-5192; dabara@hawaii.edu
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 Director: Melvin Spencer; Everly 126; (808) 956-4269; melvins@hawaii.edu
 Pu'uhonua: Hale for Native Hawaiian Student Support, puuhonua@hawaii.edu