



**University of Hawai'i at Mānoa**  
**College of Education Program Sheet 2013-2014**  
**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
<b>Foundations</b>
<input type="checkbox"/> FW
<input type="checkbox"/> FS
<input type="checkbox"/> FG (A / B / C)
<input type="checkbox"/> FG (A / B / C)
<b>Diversification</b>
<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
<b>Focus</b>
<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+)
<b>Hawaiian / Second Language</b>
<ul style="list-style-type: none"> <li>The Hawaiian or Second Language requirement is <b>not</b> required for students admitted to the College of Education.</li> </ul>
<b>Credit Minimums</b>
<ul style="list-style-type: none"> <li>120 total applicable</li> <li>30 in residence at UHM</li> <li>45 upper division (300+ level) credits</li> </ul>
<b>Grade Point Average</b>
<ul style="list-style-type: none"> <li>2.0 cumulative or higher (<i>Note: Other GPAs may be required</i>)</li> <li>To graduate from COE, students must meet the college's higher GPA requirement(s).</li> <li>Good academic standing</li> </ul>

College Requirements
<b>Licensure Track Admission Requirements</b>
<ul style="list-style-type: none"> <li>Fall and Spring admission.</li> <li>Submit an application no later than the following:               <ul style="list-style-type: none"> <li><b>March 1</b> for fall semester (Feb 1 priority deadline)</li> <li><b>September 1</b> for spring semester (Aug 1 priority deadline)</li> </ul> </li> <li>2.50 cumulative GPA in all post-secondary institutions</li> <li>2.50 cumulative GPA in academic major</li> <li>55 credits</li> <li>Completion of all UHM General Education Core and any additional Pre-Admissions Requirements.</li> <li>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).</li> <li>PRAXIS I (PPST/C-PPST): Minimal state passing scores in reading, writing, and mathematics subtests.</li> <li>40 hours of documented current group leadership involvement with secondary-aged youth.</li> <li>Personal admissions interview.</li> </ul>
<b>Pre-Licensure Track Requirements (16-21 credits)</b>
<input type="checkbox"/> BIOL 171 <sup>*DB</sup> / <input type="checkbox"/> 171L <sup>*DY</sup>
<input type="checkbox"/> CHEM 161 <sup>*DP</sup> / <input type="checkbox"/> 161L <sup>*DY</sup>
<input type="checkbox"/> PHYS 170 <sup>*DP</sup> / <input type="checkbox"/> 170L <sup>*DY</sup>
<input type="checkbox"/> MATH 215 <sup>*FS</sup> or 241 <sup>*FS</sup> or NREM 203 <sup>*FS</sup>
<b>Required Graduation Grade Point Averages</b>
<ul style="list-style-type: none"> <li>2.50 cumulative GPA or higher</li> <li>2.50 GPA or higher in the major</li> </ul>

*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**       MATH 242                       MATH 243**Professional Education Core Courses (33 credits)**

<b>Required Courses</b>	<input type="checkbox"/> EDEF 310* <sup>DS</sup>	<input type="checkbox"/> EDEP 311* <sup>DS</sup>	<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 (42-43 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**       BIOL 172 / BIOL 172L or higher**Chemistry Foundation**       CHEM 162 or 171/ CHEM 162L or 171L

<b>Earth Science Foundation</b>	<b>7 credits</b> (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\*<sup>DH</sup>, 395\*<sup>DH</sup>, 436, 439; PHIL 308\*<sup>DH</sup>, 316\*<sup>DH</sup>; or PHIL/OCN 315\*<sup>DH</sup>**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  ETEC 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**

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