



**University of Hawai'i at Mānoa**  
**College of Education Program Sheet 2013-2014**  
**Bachelor of Education (BEd) in Secondary Education**  
**Specialization: Physical Science**  
**Admissions: Selective Process: Application**  
**Min. Total Credits: 120 (93 in core & major + 27 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
* See degree, college and major requirements for courses that can also fulfill these.
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>
• The Hawaiian or Second Language requirement is <b>not</b> required for students admitted to the College of Education.
<b>Credit Minimums</b>
• 120 total applicable
• 30 in residence at UHM
• 45 upper division (300+ level) credits
<b>Grade Point Average</b>
• 2.0 cumulative or higher ( <i>Note: Other GPAs may be required</i> )
• To graduate from COE, must meet the college's higher GPA requirement(s).
• Good academic standing

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 (15 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 151* <sup>DP</sup> / <input type="checkbox"/> 151L* <sup>DY</sup>
<input type="checkbox"/> MATH 215* <sup>FS</sup> , 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: Physical Science  
 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: 65 (80 with related requirements)  
 Min. C grade (not C-) in Education courses

**Requirements****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 & 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.*

**Physical Science Academic Major and Related Courses in Teaching Field (32 credits)****Physical Science 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.*

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

<b>Physics Foundation</b>	<input type="checkbox"/> PHYS 152/ <input type="checkbox"/> 152L or higher
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<b>History/Philosophy of Science Foundation</b>	<b>3 credits</b> from the following: <input type="checkbox"/> _____ 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>
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**Physical Science Teaching Field Core Courses (10 credits)**

<b>Organic Chemistry</b>	<input type="checkbox"/> CHEM 272/ <input type="checkbox"/> 272L
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<b>Elective Courses</b>	<input type="checkbox"/> PHYS 274/274L, 399, EDCS 433, BIOL/GEOG 410; Earth Science interdisciplinary physical sciences or NREM course such as NREM 310
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<b>Computer Science</b>	<input type="checkbox"/> ICS 101B or 101T or <input type="checkbox"/> ETEC 442
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*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  
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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