



**University of Hawai'i at Mānoa**  
**College of Education Program Sheet 2013-2014**  
**Bachelor of Education (BEd) in Secondary Education**  
**Specialization: Earth and Space Science**  
**Admissions: Selective Process: Application**  
**Min. Total Credits: 120 (101 in core & major + 19 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 (15 credits)</b>
<input type="checkbox"/> BIOL 171* <sup>DB</sup> / <input type="checkbox"/> 171L* <sup>DY</sup>
<input type="checkbox"/> CHEM 151* <sup>DP</sup> / <input type="checkbox"/> 151L* <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.*

<b>Major Requirements for BEd in Secondary Education</b>	
Specialization: Earth & Space 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: 73 (89 with related requirements)	
Min. C grade (not C-) in Education courses	
<b>Requirements</b>	
<b>Professional Education Core Courses (33 credits)</b>	
<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
<i>ITE 402 &amp; 404H: concurrent registration required and courses are only offered in the Fall. ITE 405H &amp; 405H: 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.</i>	
<b>Earth &amp; Space Science Academic Major and Related Courses in Teaching Field (40-41 credits)</b>	
<b>Earth &amp; Space Science Academic Major Science Core Courses (22 credits)</b>	
<i>Completion of 50% of the coursework in the academic major is highly recommended prior to admission to the Licensure Track.</i>	
<b>Biology Foundation</b>	<input type="checkbox"/> BIOL 172 / <input type="checkbox"/> BIOL 172L or higher
<b>Chemistry Foundation</b>	<input type="checkbox"/> CHEM 152 / <input type="checkbox"/> CHEM 152L
<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"/> MET 101/101L <input type="checkbox"/> OCN 201/201L <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
<b>Physics Foundation</b>	<input type="checkbox"/> PHYS 152 / <input type="checkbox"/> PHYS 152L or higher
<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>
<b>Earth &amp; Space Science Teaching Field Core (TFC) Courses (18-19 credits)</b>	
<b>Additional Earth Science Foundation Course</b>	<b>One</b> more Earth Science Foundation course from the list above <input type="checkbox"/> _____
<b>Focus Area</b> (choose one) <input type="checkbox"/> Astronomy (ASTR) <input type="checkbox"/> Geology (GG) <input type="checkbox"/> Meteorology (MET) <input type="checkbox"/> Oceanography (OCN)	<b>Two</b> courses from one area of focus: <input type="checkbox"/> _____ <input type="checkbox"/> _____ <i>List of courses in approved focus areas:</i> ASTR 280, 281      GG 200, 301, 302, 303, 308, 309 MET 200, 302, 303, 310      OCN 310, 320, 331, 330
<b>Earth &amp; Space Science Academic Major Additional Courses</b>	
<b>Earth &amp; Space Science Elective Courses</b>	<b>Two</b> courses (6 credits minimum) of approved Earth Science TFC above or from: GG 300, 304, 325, 421, 444, 455, 460, 466; EDCS 433 or 450 ( <i>must have earth &amp; space science specific content</i> ) <input type="checkbox"/> _____ <input type="checkbox"/> _____
<b>Computer Science</b>	<input type="checkbox"/> ICS 101B or 101T or ETEC 442
<i>Dual Preparation in Hawaiian Language Immersion is available. Contact puuhonua@hawaii.edu for more information.</i>	
<b>Notes</b>	
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
	Tom Benjamin; Lualima 217 at UH Ctr-Maui CC; (808) 984-3526; tbenjami@hawaii.edu
	Pohai Kukea Shultz; Everly 126; (808) 956-2526; pohai@hawaii.edu
	Niki Libarios; Everly 126; (808) 956-4268; nlibario@hawaii.edu
	Denise Nakaoka; Everly 126; (808) 956-4274; nakaoka@hawaii.edu
	Siobhán Ní Dhonacha; Everly 126; (808) 956-6695; dhonacha@hawaii.edu
	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	