



**University of Hawai'i at Mānoa**  
**College of Education Program Sheet 2012-2013**  
**Bachelor of Education (BEd) in Secondary Education**  
**Specialization: Biology**  
**Admissions: Selective Process: Application**  
**Min. Total Credits: 120 (109 in core & major + 11 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 involved with secondary-aged youth.</li> <li>Personal admissions interview.</li> <li>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.</li> </ul>
<b>Pre-Licensure Track Requirements (15 credits)</b>
<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 151*DP / <input type="checkbox"/> 151L*DY
<input type="checkbox"/> MATH 215*FS, 241*FS, or NREM 203*FS
<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: Biology

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: 80 (95 with related requirements)

Min. C grade (not C-) in Education courses

### Requirements

#### Professional Education Core Courses (36 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; 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.*

#### Biology Academic Major and Related Courses in Teaching Field (47-48 credits)

##### Biology Academic Major Science Core Courses (22 credits)

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

<b>Biology Foundation</b>	<input type="checkbox"/> BIOL 172 / <input type="checkbox"/> 172L or higher
<b>Chemistry Foundation</b>	<input type="checkbox"/> CHEM 162 or 171 / CHEM <input type="checkbox"/> 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"/> 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"/> MET 101/101L <input type="checkbox"/> OCN 201/201L <input type="checkbox"/> OEST 101
<b>Physics Foundation</b>	<input type="checkbox"/> PHYS 152 / <input type="checkbox"/> 152L
<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>

##### Biology Teaching Field Core Courses (17 credits)

<b>Organic Chemistry</b>	<input type="checkbox"/> CHEM 272 / <input type="checkbox"/> 272L
<b>General Ecology</b>	<input type="checkbox"/> BIOL 265 / <input type="checkbox"/> 265L
<b>Cellular/Molecular Biology</b>	<input type="checkbox"/> BIOL 275 / <input type="checkbox"/> 275L
<b>Genetics</b>	<input type="checkbox"/> BIOL 375 / <input type="checkbox"/> 375L

##### Biology Academic Major Additional Courses (8-9 credits)

<b>Biology Elective Courses</b>	<b>5 credits</b> of approved biology elective courses:			
	<input type="checkbox"/> BIOL 406/406L	<input type="checkbox"/> BIOL 407	<input type="checkbox"/> BIOL 490	<input type="checkbox"/> BOT 453
	<input type="checkbox"/> BOT/ZOOL 450	<input type="checkbox"/> BOT 470/470L	<input type="checkbox"/> FSHN 185	<input type="checkbox"/> OCN 331
	<input type="checkbox"/> MICR 431/431L	<input type="checkbox"/> MICR 475/475L	<input type="checkbox"/> MICR 485/485L	
	<input type="checkbox"/> ZOOL 430/430L	<input type="checkbox"/> ZOOL 439/439L		
<b>Computer Science</b>	<input type="checkbox"/> ICS 101 or ETEC 442			

### 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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Pu'uhonua: Hale for Native Hawaiian Student Support, puuhonua@hawaii.edu