



**University of Hawai'i at Mānoa**  
**College of Education Program Sheet 2017-2018**  
**Bachelor of Education (BEd) in Secondary Education**  
**Specialization: General 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 ENG 100, 100A, 190, ESL 100, or AMST 111
<input type="checkbox"/> FS MATH 215, 241, or NREM 203
<input type="checkbox"/> FG (A / B / C)
<input type="checkbox"/> FG (A / B / C)
<b>Diversification</b>
<input type="checkbox"/> DH HIST 394, 395, PHIL 308, 315, 316
<input type="checkbox"/> DA / DL
<input type="checkbox"/> DB BIOL 171
<input type="checkbox"/> DP CHEM 161, PHYS 151
<input type="checkbox"/> DY BIOL 171L, CHEM 161L, PHYS 151L
<input type="checkbox"/> DS EDEF 310
<input type="checkbox"/> DS EDEP 311
<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>Spring admission.</li> <li>Submit an application no later than the following:               <ul style="list-style-type: none"> <li><b>October 1</b> for spring semester (Sept 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 Licensure Track Prerequisites.</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>40 hours of documented current group leadership involvement with secondary-aged youth.</li> <li>Personal admissions interview.</li> </ul>
<b>Licensure Track Prerequisites</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.*

<b>Major Requirements for BEd in Secondary Education</b>	
Specialization: General Science	
Admission to Licensure Track: Complete all General Education and Licensure Track prerequisites	
Application: Deadline = October 1 for Spring entrance	
Min. major credits: 70 (85 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; 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.</i>	
<b>General Science Academic Major and Related Courses in Teaching Field (40 credits)</b>	
<b>General 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 162 or 171/ <input type="checkbox"/> 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 210 <input type="checkbox"/> GG 101/101L or GG 103 or GG 104 <input type="checkbox"/> ATMO 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"/> OCN 201/201L <input type="checkbox"/> OEST 101
<b>Physics Foundation</b>	<input type="checkbox"/> PHYS 152/ <input type="checkbox"/> PHYS 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>
<b>General Science Teaching Field Core (TFC) Courses (12 credits minimum distributed among the Biological Science and Physical Science areas listed below, plus additional 3 credits minimum selected from Biological Science or Physical Science areas listed below)</b>	
<b>Biological Science and related Interdisciplinary Sciences</b>	<i>List of approved courses (6 credits minimum):</i> <input type="checkbox"/> ANTH 310 <input type="checkbox"/> ANTH 323 <input type="checkbox"/> BIOL 310 <input type="checkbox"/> BIOL 320 <input type="checkbox"/> BIOL 340 <input type="checkbox"/> BIOL 360 <input type="checkbox"/> BIOL 410 <input type="checkbox"/> BIOL 490 <input type="checkbox"/> BOT 201/ 201L <input type="checkbox"/> BOT/ZOOL 450 <input type="checkbox"/> BOT 350 <input type="checkbox"/> FSHN 185 <input type="checkbox"/> FSHN 181/181L <input type="checkbox"/> HWST/BOT 457 <input type="checkbox"/> HWST/BOT 458 <input type="checkbox"/> HWST 459 <input type="checkbox"/> HWST 460 <input type="checkbox"/> MICR 130 <input type="checkbox"/> OCN 331 <input type="checkbox"/> ZOOL 200/200L
<b>Physical Science and related Interdisciplinary Sciences</b>	<i>List of approved courses (6 credits minimum):</i> <input type="checkbox"/> ASTR 380 <input type="checkbox"/> EDCS 433 <input type="checkbox"/> ATMO/OCN 310 <input type="checkbox"/> GEOG 365 <input type="checkbox"/> GEOG 366 <input type="checkbox"/> GEOG 368 <input type="checkbox"/> GEOG 410
<b>Computer Science Requirement (3-4 credits)</b>	
<b>Computer Science Courses</b>	<input type="checkbox"/> ICS 101 or <input type="checkbox"/> LTEC 442
<b>Notes</b>	
College of Education, Office of Student Academic Services: Everly 126; (808) 956-7915; osas@hawaii.edu; coe.hawaii.edu Director: Niki Libarios; Everly 126; (808) 956-4268; nlibario@hawaii.edu Associate Director: Denise Nakaoka; Everly 126; (808) 956-4274; nakaoka@hawaii.edu Education Faculty Advisors: Denise Abara; Everly 126; (808) 956-5192; dabara@hawaii.edu Laurie Akana; Everly 126; (808) 956-6695; akanalk@hawaii.edu Alyssa Kapaona; Everly 126; (808) 956-4269; akapaona@hawaii.edu Reid Kuioka; Everly 126; (808) 956-5371; rkuioka@hawaii.edu Karen Wilson; UH Ctr-Pāalamanui; (808) 209-8031; (808) 984-3526; wilsonkl@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	