



**University of Hawai'i at Mānoa**  
**College of Education Program Sheet 2016-2017**  
**Bachelor of Education (BEd) in Secondary Education**

**Specialization: Physics**

**Admissions: Selective Process: Application**

**Min. Total Credits: 120 (106 in core & major + 14 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 241
<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, or 316
<input type="checkbox"/> DA / DH / DL
<input type="checkbox"/> DB BIOL 171
<input type="checkbox"/> DP CHEM 161, PHYS 170
<input type="checkbox"/> DY BIOL 171L, CHEM 161L, PHYS 170L
<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>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 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>Official minimum state passing scores on the basic skills licensure test(s) as approved by the College of Education (COE) and aligned with the Hawaii Teacher Standards Board (HTSB) policy. Note that HTSB and COE requirements may differ. Please see a COE OSAS advisor for the latest information.</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 170* <sup>DP</sup> / <input type="checkbox"/> 170L* <sup>DY</sup>
<input type="checkbox"/> MATH 241* <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: Physics	
Admission to Licensure Track: Complete all General Education and Licensure Track prerequisites	
Application: Deadline = March 1 for Fall entrance; September 1 for Spring entrance	
Min. major credits: 71-73 (81-83 with related requirements)	
Min. C grade (not C-) in Education courses	
<b>Requirements</b>	
<b>Physics Academic Major Related Requirements (10 credits)</b>	
<b>Related Courses</b>	<input type="checkbox"/> MATH 242 <input type="checkbox"/> MATH 243 <input type="checkbox"/> MATH 244
<b>Professional Education Core Courses (33 credits)</b>	
<b>Required Courses</b>	<input type="checkbox"/> EDEF 310* <sup>DS</sup> <input type="checkbox"/> EDEF 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>Physics Academic Major and Related Courses in Teaching Field (38-40 credits)</b>	
<b>Physics Academic Major Science Core Courses (22-23 credits)</b>	
<i>Completion of 50% of the coursework in the academic major is highly recommended prior to admissions 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 326 <input type="checkbox"/> OCN 201/201L <input type="checkbox"/> OEST 101
<b>Physics Foundation</b>	<input type="checkbox"/> PHYS 272/ <input type="checkbox"/> PHYS 272L
<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>Physics Teaching Field Core Courses (13 credits)</b>	
<b>Modern Physics</b>	<input type="checkbox"/> PHYS 274/ <input type="checkbox"/> 274L
<b>Mechanics</b>	<input type="checkbox"/> PHYS 310 or <input type="checkbox"/> CEE 270
<b>Elective Courses</b>	<i>List of approved courses (6 credits minimum):</i> <input type="checkbox"/> PHYS 311 <input type="checkbox"/> PHYS 399 <input type="checkbox"/> PHYS 430 <input type="checkbox"/> CEE 271 <input type="checkbox"/> CEE 320/320L <input type="checkbox"/> ME 311 <input type="checkbox"/> EDCS 433 <input type="checkbox"/> EDCS 450
<b>Computer Science Requirement (3-4 credits)</b>	
<b>Computer Science Courses</b>	<input type="checkbox"/> ICS 101B or 101T 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 Education Faculty Advisors: Denise Abara; Everly 126; (808) 956-5192; dabara@hawaii.edu Laurie Akana; Everly 126; (808) 956-6695; akanalk@hawaii.edu Reid Kuioka; Everly 126; (808) 956-5371; rkuioka@hawaii.edu Niki Libarios; Everly 126; (808) 956-4268; nlibario@hawaii.edu Denise Nakaoka; Everly 126; (808) 956-4274; nakaoka@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	