



**University of Hawai'i at Mānoa**  
**College of Education Program Sheet 2017-2018**  
**Bachelor of Education (BEd) in Secondary Education**  
**Specialization: Physical Science**  
**Admissions: Selective Process: Application**  
**Min. Total Credits: 120 (94 in core & major + 26 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, or 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, 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.

**Major Requirements for BEd in Secondary Education**

Specialization: Physical Science  
 Admission to Licensure Track: Complete all General Education and Licensure Track prerequisites  
 Application: Deadline = October 1 for Spring entrance  
 Min. major credits: 66-69 (81-84 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 (33-36 credits)****Physical Science Academic Major Science Core Courses (22-23 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 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 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 (8-9 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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**Computer Science Requirement (3-4 credits)**

<b>Computer Science Courses</b>	<input type="checkbox"/> ICS 101 or <input type="checkbox"/> LTEC 442
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**Notes**

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