



**University of Hawai'i at Mānoa**  
**College of Education Program Sheet 2012-2013**  
**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
<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> <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 (16 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 170*DP / <input type="checkbox"/> 170L*DY
<input type="checkbox"/> MATH 241*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: Physics

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: 72 (79 with related requirements)

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

### Requirements

#### Physics Academic Major Related Requirements (10 credits)

**Related Courses**       MATH 242       MATH 243       MATH 244

#### Professional Education Core Courses (33 credits)

**Required Courses**       EDEF 310\*<sup>DS</sup>       EDEP 311\*<sup>DS</sup>       ITE 401       ITE 402  
 ITE 404H       ITE 405H       ITE 406H       ITE 440  
 SPED 445

*ITE 402 & 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.*

#### Physics Academic Major and Related Courses in Teaching Field (39 credits)

#### Physics Academic Major Science Core Courses (23 credits)

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

**Biology Foundation**       BIOL 172/ BIOL 172L or higher

**Chemistry Foundation**       CHEM 162 or 171/ CHEM 162L or 171L

**Earth Science Foundation**      7 credits (must include one lab) of the following:  
 ASTR 110 or ASTR 240       GG 101/101L or GG 103 or GG 104  
 OCN 201/201L       MET 101/101L       GG 102       GG 105  
 GG 106       GG 130       GG 170       GEOG 326       OEST 101

**Physics Foundation**       PHYS 272/ PHYS 272L

**History/Philosophy of Science Foundation**      3 credits from the following:       \_\_\_\_\_  
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>

#### Physics Teaching Field Core Courses (16 credits)

**Modern Physics**       PHYS 274/ 274L

**Mechanics**       PHYS 310 or  CEE 270

**Elective Courses**      *List of approved courses (6 credits minimum):*  
 PHYS 311       PHYS 399       PHYS 430       CEE 271  
 CEE 320/320L       ME 311       ME 312       EDCS 433  
 EDCS 450

**Computer Science**       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  
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Director: Melvin Spencer; Everly 126; (808) 956-4269; [melvins@hawaii.edu](mailto:melvins@hawaii.edu)  
Pu'uhonua: Hale for Native Hawaiian Student Support, puuhonua@hawaii.edu