



University of Hawai'i at Mānoa
College of Education Program Sheet 2013-2014
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
Foundations
<input type="checkbox"/> FW
<input type="checkbox"/> FS
<input type="checkbox"/> FG (A / B / C)
<input type="checkbox"/> FG (A / B / C)
Diversification
<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
Focus
<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+)
Hawaiian / Second Language
<ul style="list-style-type: none"> The Hawaiian or Second Language requirement is not required for students admitted to the College of Education.
Credit Minimums
<ul style="list-style-type: none"> 120 total applicable 30 in residence at UHM 45 upper division (300+ level) credits
Grade Point Average
<ul style="list-style-type: none"> 2.0 cumulative or higher (<i>Note: Other GPAs may be required</i>) To graduate from COE, students must meet the college's higher GPA requirement(s). Good academic standing

College Requirements
Licensure Track Admission Requirements
<ul style="list-style-type: none"> Fall and Spring admission. Submit an application no later than the following: <ul style="list-style-type: none"> March 1 for fall semester (Feb 1 priority deadline) September 1 for spring semester (Aug 1 priority deadline) 2.50 cumulative GPA in all post-secondary institutions 2.50 cumulative GPA in academic major 55 credits Completion of all UHM General Education Core and any additional Pre-Admissions Requirements. 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). PRAXIS I (PPST/C-PPST): Minimal state passing scores in reading, writing, and mathematics subtests. 40 hours of documented current group leadership involved with secondary-aged youth. Personal admissions interview.
Pre-Licensure Track Requirements (15 credits)
<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}
Required Graduation Grade Point Averages
<ul style="list-style-type: none"> 2.50 cumulative GPA or higher 2.50 GPA or higher in the major

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 (33 credits)

Required Courses	<input type="checkbox"/> EDEF 310* ^{DS}	<input type="checkbox"/> EDEP 311* ^{DS}	<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; 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.

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.

Biology Foundation BIOL 172 / 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
 GG 102 GG 105 GG 106 GG 130
 GG 170 GEOG 426 MET 101/101L
 OCN 201/201L OEST 101

Physics Foundation PHYS 152 / 152L

History/Philosophy of Science Foundation **3 credits** from the following: _____
HIST 394*^{DH}, 395*^{DH}, 436, 439; PHIL 308*^{DH}, 316*^{DH}; or PHIL/OCN 315*^{DH}

Biology Teaching Field Core Courses (17 credits)

Organic Chemistry CHEM 272 / 272L

General Ecology BIOL 265 / 265L

Cellular/Molecular Biology BIOL 275 / 275L

Genetics BIOL 375 / 375L

Biology Academic Major Additional Courses (8-9 credits)

Biology Elective Courses **5 credits** of approved biology elective courses:
 BIOL 406/406L BIOL 407 BIOL 490 BOT 453
 BOT/ZOOL 450 BOT 470/470L FSHN 185 OCN 331
 MICR 431/431L MICR 475/475L MICR 485/485L
 ZOOL 430/430L ZOOL 439/439L

Computer Science ICS 101B or 101T or ETEC 442

Dual Preparation in Hawaiian Language Immersion is available. Contact puuhonua@hawaii.edu for more information.

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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Karen Wilson; B3 at UH Ctr-West Hawai'i; (808) 322-1549; wilsonkl@hawaii.edu
Director: Melvin Spencer; Everly 126; (808) 956-4269; melvins@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