University of Hawai‘i at Mānoa  
College of Education Program Sheet 2011-2012  
Bachelor of Education (BEd) in Secondary Education  
Specialization: Biology  
Admissions: Selective   Process: Application  
Min. Total Credits: 124 (107 in core & major + 17 in electives)

## UHM General Education Core Requirements

### Foundations
- FW
- FS
- FG (A / B / C)
- FG (A / B / C)

### Diversification
- DA / DH / DL
- DA / DH / DL
- DB
- DP
- DY
- DS
- DS

* See degree, college and major requirements for courses that can also fulfill these.

## UHM Graduation Requirements

### Focus
- H
- E (300+)
- O (300+)
- W
- W
- W
- W (300+)
- W (300+)

### Hawaiian / Second Language
- The Hawaiian or Second Language requirement is not required for students admitted to the College of Education.

### Credit Minimums
- 124 total applicable
- 30 in residence at UHM

### Grade Point Average
- 2.0 cumulative or higher (Note: Other GPAs may be required)
- To graduate from COE, students must meet the college’s higher GPA requirement.
- Good academic standing

## College Requirements

### Admission Requirements
- Fall and Spring admission.
- Submit an application no later than the following:
  - 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-Admissions Requirements (15 credits)
- BIOL 171*DB / 171L*DY
- CHEM 161*DP / 161L*DY
- PHYL 151*DP / 151L*DY
- MATH 215*FS, 241*FS, or NREM 203*FS

### Required Graduation Grade Point Averages
- 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: Complete all General Education, Pre-Admission & Admission requirements listed on the front.

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 (36 credits)

Required Courses

- EDEF 310*DS
- EDEF 311*DS
- EDEP 311*DS
- ITE 401
- ITE 402
- ITE 404H
- ITE 405H
- ITE 406H
- ITE 406H
- ITE 440
- SPED 445

In the first semester in the College of Education, students must take ITE 401. ITE 402 and 404H: concurrent registration required and courses are only offered in the Fall. ITE 405 & 406H: concurrent registration required; students must attempt the PRAXIS Subject Assessment Content Knowledge Test(s) and submit official documentation of their scores on or before the end of their Student Teaching Residency (Student Teaching) semester.

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.

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
- GG 102
- GG 105
- GG 106
- GG 130
- GG 170
- GEOG 326
- MET 101/101L
- OCN 201/201L
- OEST 101

Physics Foundation

- PHYS 152 / PHYS 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 / CHEM 272L

General Ecology

- BIOL 265 / BIOL 265L

Cellular/Molecular Biology

- BIOL 275 / BIOL 275L

Genetics

- BIOL 375 / BIOL 375L

Biology Academic Major Additional Courses (8-9 credits)

Biology Elective Courses

5 credits of approved biology elective courses:

- BIOL 406/406L
- BIOL 407/407L
- 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 101 or ETEC 442 (ETEC 442 can double count with education core)

Notes

College of Education, Office of Student Academic Services: Everly 126; (808) 956-7915; osas@hawaii.edu; coe.hawaii.edu

Education Undergraduate Advisors:

- Melvin Spencer; Everly 126; (808) 956-4269; melvins@hawaii.edu
- Denise Nakaoka; Everly 126; (808) 956-4274; nakaoka@hawaii.edu
- Niki Libarios; Everly 126; (808) 956-4268; nlibario@hawaii.edu
- Karen Wilson; B3 at UH Ctr-West Hawai‘i; (808) 322-1549; wilsonkl@hawaii.edu
- Tom Benjamin; Laulima 217 at UH Ctr-Maui CC; (808) 984-3526; tbenjami@hawaii.edu

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