University of Hawai‘i at Mānoa  
College of Education Program Sheet 2015-2016  
Bachelor of Education (BEd) in Secondary Education  
Specialization: General Science  
Admissions: Selective  
Process: Application  
Min. Total Credits: 120 (101 in core & major + 19 in electives)

### UHM General Education Core Requirements

| Foundations |  |
|-------------|  |
| FW ENG 100, 100A, 190, or ESL 100 |  |
| FS MATH 215, 241, or NREM 203 |  |
| FG (A / B / C) |  |
| FG (A / B / C) |  |

| Diversification |  |
|-----------------|  |
| DH HIST 394, 395, PHIL 308, 315, 316 |  |
| DA / DL |  |
| DB BIOL 171 |  |
| DP CHEM 161, PHYS 151 |  |
| DY BIOL 171L, CHEM 161L, PHYS 151L |  |
| DS EDEF 310 |  |
| DS EDEP 311 |  |

* 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 (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 |  |
|-----------------|  |
| 120 total applicable |  |
| 30 in residence at UHM |  |
| 45 upper division (300+ level) credits |  |

| 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(s). |  |
| Good academic standing |  |

### College Requirements

#### Licensure Track 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 Licensure Track Prerequisites.
- 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).
- 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.
- 40 hours of documented current group leadership involvement with secondary-aged youth.
- Personal admissions interview.

#### Licensure Track Prerequisites
- BIOL 171*DB / BIOL 171L*DY
- CHEM 161*DP / CHEM 161L*DY
- PHYS 151*DP / PHYS 151L*DY
- MATH 215*, 215A*, 241*, or NREM 203*

#### Required Graduation Grade Point Averages
- 2.50 cumulative GPA or higher
- 2.50 GPA or higher in the major

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*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: General Science

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: 70 (85 with related requirements)

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

Requirements

Professional Education Core Courses (33 credits)

<table>
<thead>
<tr>
<th>Required Courses</th>
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</thead>
<tbody>
<tr>
<td>EDEF 310*</td>
<td>EDEF 311*</td>
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<tr>
<td>ITE 404H</td>
<td>ITE 405H</td>
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<tr>
<td>ITE 404H</td>
<td>ITE 406H</td>
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<tr>
<td>SPED 445</td>
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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.

General Science Academic Major and Related Courses in Teaching Field (40 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 or BIOL 172L or higher

Chemistry Foundation

7 credits (must include one lab)

- ASTR 110 or ASTR 240
- CHEM 201/201L

Earth Science Foundation

- OCN 201/201L
- GG 105

Physics Foundation

- PHYS 152/PHYS 152L

History/Philosophy of Science Foundation

3 credits from the following:

HIST 394* or 395* or PHIL 308* or 316* or PHIL/OCN 315* or

General Science Teaching Field Core (TFC) Courses (12 credits minimum distributed among the Biological Science and Physical Science areas listed below, plus additional 3 credits minimum selected from Biological Science or Physical Science areas listed below)

Biological Science and related Interdisciplinary Sciences

List of approved courses (6 credits minimum):

- ANTH 310
- BIOL 340
- BOT 201/201L
- FSHN 181/181L
- HWST 460
- ZOOL 200/200L

- ANTH 323
- BIOL 360
- BOT/ZOOL 450
- HWST/BOT 457
- MICR 130

- BIOL 310
- BIOL 410
- BOT 350
- HWST/BOT 458
- MICR 140

- BIOL 320
- BIOL 490
- FSHN 185
- HWST 459
- OCN 331

Physical Science and related Interdisciplinary Sciences

List of approved courses (6 credits minimum):

- ASTR 380
- GEOG 365
- GEOG 366

- EDCS 433
- GEOG 368
- GEOG 410

- OEST/MET/GG 310

Computer Science Requirement (3-4 credits)

Computer Science Courses

- ICS 101B or 101T or LTEC 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
- Tom Benjamin; Laulima 217 at UH Ctr-Maui CC; (808) 984-3526; tbenjami@hawaii.edu
- Pohai Kukea Shultz; Everly 126; (808) 956-2526; pohai@hawaii.edu
- Niki Libarios; Everly 126; (808) 956-4268; nlibario@hawaii.edu
- Denise Nakaoka; Everly 126; (808) 956-4274; nakaoka@hawaii.edu
- 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’uholua: 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

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