# Bachelor of Education (BEd) in Secondary Education
## Specialization: Earth and Space Science

### Admissions:
- Selective
- Process: Application

### Min. Total Credits: 120 (104 in core & major + 15 in electives)

### UHM General Education Core Requirements

<table>
<thead>
<tr>
<th>Foundations</th>
<th>Diversification</th>
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<tbody>
<tr>
<td>FW ENG 100, 100A, 190, or ESL 190</td>
<td>DA / DH / DL</td>
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<tr>
<td>FS MATH 215, 241, or NREM 203</td>
<td>DA / DH / DL</td>
</tr>
<tr>
<td>FG (A / B / C)</td>
<td>DB BIOL 171</td>
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<tr>
<td>FG (A / B / C)</td>
<td>DP CHEM 161, PHYS 151</td>
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<tr>
<td>FS MATH 215, 241, or NREM 203</td>
<td>DY BIOL 171L, CHEM 161L, PHYS 151L</td>
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<tr>
<td>FG (A / B / C)</td>
<td>DS EDEF 310</td>
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<td>FG (A / B / C)</td>
<td>DS EDEP 311</td>
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* 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

<table>
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<tr>
<th>Required Graduation Grade Point Averages</th>
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<tbody>
<tr>
<td>2.50 cumulative GPA or higher</td>
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<tr>
<td>2.50 GPA or higher in the major</td>
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**Licensure Track Prerequisites**
- BIOL 171*DB / 171L*DY
- CHEM 161*DP / 161L*DY
- PHYS 151*DP / 151L*DY
- MATH 215*A,F, 241*A,F, or NREM 203*F

*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: Earth & Space 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: 73-79 (89-95 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>
<th>EDEF 310&lt;sup&gt;DS&lt;/sup&gt;</th>
<th>EDEF 311&lt;sup&gt;DS&lt;/sup&gt;</th>
<th>ITE 401</th>
<th>ITE 402</th>
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<tbody>
<tr>
<td>ITE 404H</td>
<td>ITE 405H</td>
<td>ITE 406H</td>
<td>ITE 440</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.

Earth & Space Science Academic Major and Related Courses in Teaching Field (40-46 credits)

Earth & Space Science 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 / BIOL 172L or higher

Chemistry Foundation
- CHEM 162 / CHEM 162L

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
  - MET 101/101L
  - GG 105
  - GG 170
  - GEOG 426
  - OEST 101

Physics Foundation
- PHYS 152 / PHYS 152L or higher

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>

Earth & Space Science Teaching Field Core (TFC) Courses (15-20 credits)

Additional Earth Science Foundation Course
- One more Earth Science Foundation course from the list above

Focus Area (choose one)
- Astronomy (ASTR)
- Geology (GG)
- Meteorology (MET)
- Oceanography (OCN)

Two courses from one area of focus:
- ASTR 280, 281
- GG 200, 301, 302, 303, 308, 309
- MET 200, 302, 303, 310
- OCN 310, 320, 331, 330

Earth & Space Science Academic Major Additional Courses

Earth & Space Science Elective Courses
- Two courses (6 credits minimum) of approved Earth Science TFC above or from:
  - GG 300, 304, 325, 421, 444, 455, 460, 466; EDCS 433 or 450 (must have earth & space science specific content)

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; tbenjenmi@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
- 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

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