



University of Hawai'i at Mānoa
College of Education Program Sheet 2017-2018
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
Foundations
<input type="checkbox"/> FW ENG 100, 100A, 190, ESL 190, or AMST 111
<input type="checkbox"/> FS MATH 215, 241, or NREM 203
<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 BIOL 171
<input type="checkbox"/> DP CHEM 161, PHYS 151
<input type="checkbox"/> DY BIOL 171L, CHEM 161L, PHYS 151L
<input type="checkbox"/> DS EDEF 310
<input type="checkbox"/> DS EDEP 311
<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"> Spring admission. Submit an application no later than the following: <ul style="list-style-type: none"> October 1 for spring semester (Sept 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). 40 hours of documented current group leadership involvement with secondary-aged youth. Personal admissions interview.
Licensure Track Prerequisites
<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: Earth & Space Science	
Admission to Licensure Track: Complete all General Education and Licensure Track prerequisites.	
Application: Deadline = October 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)	
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
<i>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.</i>	
Earth & Space Science Academic Major and Related Courses in Teaching Field (40-46 credits)	
Earth & Space Science Academic Major Science Core Courses (22 credits)	
<i>Completion of 50% of the coursework in the academic major is highly recommended prior to admission to the Licensure Track.</i>	
Biology Foundation	<input type="checkbox"/> BIOL 172 / <input type="checkbox"/> BIOL 172L or higher
Chemistry Foundation	<input type="checkbox"/> CHEM 162/ <input type="checkbox"/> CHEM 162L
Earth Science Foundation	7 credits (must include one lab) of the following: <input type="checkbox"/> ASTR 110 or ASTR 210 <input type="checkbox"/> GG 101/101L or GG 103 or GG 104 <input type="checkbox"/> ATMO 101/101L <input type="checkbox"/> OCN 201/201L <input type="checkbox"/> GG 102 <input type="checkbox"/> GG 105 <input type="checkbox"/> GG 106 <input type="checkbox"/> GG 130 <input type="checkbox"/> GG 170 <input type="checkbox"/> GEOG 426 <input type="checkbox"/> OEST 101
Physics Foundation	<input type="checkbox"/> PHYS 152/ <input type="checkbox"/> PHYS 152L or higher
History/Philosophy of Science Foundation	3 credits from the following: <input type="checkbox"/> _____ HIST 394* ^{DH} , 395* ^{DH} , 436, 439; PHIL 308* ^{DH} , 316* ^{DH} ; or PHIL/OCN 315* ^{DH}
Earth & Space Science Teaching Field Core (TFC) Courses (15-20credits)	
Additional Earth Science Foundation Course	One more Earth Science Foundation course from the list above <input type="checkbox"/> _____
Focus Area (choose one) <input type="checkbox"/> Astronomy (ASTR) <input type="checkbox"/> Geology (GG) <input type="checkbox"/> Meteorology (MET) <input type="checkbox"/> Oceanography (OCN)	Two courses from one area of focus: <input type="checkbox"/> _____ <input type="checkbox"/> _____ <i>List of courses in approved focus areas:</i> ASTR 280, 281 GG 200, 301, 302, 303, 309 ATMO 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 (<i>must have earth & space science specific content</i>) <input type="checkbox"/> _____ <input type="checkbox"/> _____
Computer Science Requirement (3-4 credits)	
Computer Science Courses	<input type="checkbox"/> ICS 101 or LTEC 442
Notes	
College of Education, Office of Student Academic Services: Everly 126; (808) 956-7915; osas@hawaii.edu; coe.hawaii.edu Director: Niki Libarios; Everly 126; (808) 956-4268; nlibario@hawaii.edu Associate Director: Denise Nakaoka; Everly 126; (808) 956-4274; nakaoka@hawaii.edu Education Faculty Advisors: Denise Abara; Everly 126; (808) 956-5192; dabara@hawaii.edu Laurie Akana; Everly 126; (808) 956-6695; akanalk@hawaii.edu Alyssa Kapaona; Everly 126; (808) 956-4269; akapaona@hawaii.edu Reid Kuioka; Everly 126; (808) 956-5371; rkuioka@hawaii.edu Karen Wilson; UH Ctr-Pāalamanui; (808) 209-8031; (808) 984-3526; wilsonkl@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	