

## University of Hawaiʻi at Mānoa College of Education Program Sheet 2016-2017

## **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** College Requirements **Foundations Licensure Track Admission Requirements** ☐ FW ENG 100, 100A, 190, ESL 100, or AMST 111 • Fall and Spring admission. ☐ FS MATH 215, 241, or NREM 203 Submit an application no later than the following: $\Box$ FG (A/B/C) o March 1 for fall semester □ FG (A / B / C) (Feb 1 priority deadline) o **September 1** for spring semester Diversification (Aug 1 priority deadline) □ DH HIST 394, 395, PHIL 308, 315, 316 2.50 cumulative GPA in all post-secondary institutions □ DA/DL 2.50 cumulative GPA in academic major □ DB BIOL 171 ☐ DP CHEM 161, PHYS 151 • Completion of all UHM General Education Core and any ☐ DY BIOL 171L, CHEM 161L, PHYS 1511 additional Licensure Track Prerequisites. □ DS EDEF 310 Applicants who have completed an articulated A.A. degree □ DS EDEP 311 from a UH Community College are considered to have met the UHM General Education Core Requirements with \* See degree, college and major requirements for courses that possible exceptions (see an academic advisor). can also fulfill these. • Official minimum state passing scores on the basic skills **UHM Graduation Requirements** licensure test(s) as approved by the College of Education (COE) and aligned with the Hawaii Teacher Standards Focus Board (HTSB) policy. Note that HTSB and COE requirements may differ. Please see a COE OSAS advisor □ Н □ E (300+) for the latest information. □ O (300+) 40 hours of documented current group leadership $\square$ W involvement with secondary-aged youth. □ W • Personal admissions interview. □ W **Licensure Track Prerequisites** □ W (300+) □ BIOL 171\*<sup>DB</sup> / □ 171L\*<sup>DY</sup> **□** W (300+) □ CHEM 161\*<sup>DP</sup> / □ 161L\*<sup>DY</sup> □ PHYS 151\*<sup>DP</sup> / □ 151L\*<sup>DY</sup> Hawaiian / Second Language ☐ MATH 215\*FS, 241\*FS, or NREM 203\*FS • The Hawaiian or Second Language requirement is **not** required for students admitted to the College of Education. **Required Graduation Grade Point Averages Credit Minimums** • 2.50 cumulative GPA or higher • 120 total applicable • 2.50 GPA or higher in the major • 30 in residence at UHM • 45 upper division (300+ level) credits **Grade Point Average** 2.0 cumulative or higher (Note: Other GPAs may be

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.

To graduate from COE, students must meet the college's

higher GPA requirement(s).
Good academic standing

Major Requirements for BEG	Major Requirements for BEd in Secondary Education				
Specialization: General Science	e				
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 Educa					
Requirements					
<b>Professional Education Core</b>	Courses (33 credits)				
	□ EDEF 310*DS	□ EDEP 311* <sup>DS</sup>	☐ ITE 401	☐ ITE 402	
Required Courses	☐ ITE 404H	☐ ITE 405H	☐ ITE 406H	☐ ITE 440	
•	☐ SPED 445				
ITE 402 & 404H: concurrent reg	gistration required and co	ourses are only offered in a	the Fall. ITE 405H & 406	H: concurrent	
registration required. PRAXIS II					
area(s) in order to submit a Stud					
General Science Academic Major and Related Courses in Teaching Field (40 credits)					
General Science Academic Major Science Core Courses (22 credits)					
Completion of 50% of the course	ework in the academic ma	ijor is highly recommende	d prior to admission to the	e Licensure Track.	
Biology Foundation	☐ BIOL 172 /☐ BIOI	L 172L or higher			
<b>Chemistry Foundation</b>	☐ CHEM 162 or 171/	□ CHEM 162L or 171L			
	7 credits (must include one lab) of the following:				
	□ ASTR 110 or ASTR 210 □ GG 101/101L or GG 103 or GG 104				
<b>Carth Science Foundation</b> ☐ ATMO 101/101L ☐ GG 102 ☐ GG 105				5	
	□ GG 106	□ GG 130	□ GG 170	)	
	☐ GEOG 426 ☐ OCN 201/201L ☐ OEST 101				
Physics Foundation	□ PHYS 152/□ PHY	S 152L			
History/Philosophy of	3 credits from the following:				
Science Foundation	HIST 394*DH, 395*DH, 436, 439; PHIL 308*DH, 316*DH; or PHIL/OCN 315*DH				
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 an					
	List of approved cours	ses (6 credits minimum):			
	0 11				
	☐ ANTH 310	☐ ANTH 323	☐ BIOL 310	☐ BIOL 320	
Biological Science and	☐ ANTH 310 ☐ BIOL 340	☐ BIOL 360	☐ BIOL 410	☐ BIOL 490	
related Interdisciplinary	☐ ANTH 310 ☐ BIOL 340 ☐ BOT 201/ 201L	☐ BIOL 360 ☐ BOT/ZOOL 450	☐ BIOL 410 ☐ BOT 350	☐ BIOL 490 ☐ FSHN 185	
	□ ANTH 310 □ BIOL 340 □ BOT 201/ 201L □ FSHN 181/181L	☐ BIOL 360 ☐ BOT/ZOOL 450 ☐ HWST/BOT 457	<ul><li>□ BIOL 410</li><li>□ BOT 350</li><li>□ HWST/BOT 458</li></ul>	☐ BIOL 490	
related Interdisciplinary	□ ANTH 310 □ BIOL 340 □ BOT 201/ 201L □ FSHN 181/181L □ HWST 460	☐ BIOL 360 ☐ BOT/ZOOL 450	☐ BIOL 410 ☐ BOT 350	☐ BIOL 490 ☐ FSHN 185	
related Interdisciplinary Sciences	□ ANTH 310 □ BIOL 340 □ BOT 201/ 201L □ FSHN 181/181L □ HWST 460 □ ZOOL 200/200L	☐ BIOL 360 ☐ BOT/ZOOL 450 ☐ HWST/BOT 457 ☐ MICR 130	<ul><li>□ BIOL 410</li><li>□ BOT 350</li><li>□ HWST/BOT 458</li></ul>	☐ BIOL 490 ☐ FSHN 185	
related Interdisciplinary Sciences  Physical Science and related	☐ ANTH 310 ☐ BIOL 340 ☐ BOT 201/ 201L ☐ FSHN 181/181L ☐ HWST 460 ☐ ZOOL 200/200L  List of approved cours	□ BIOL 360 □ BOT/ZOOL 450 □ HWST/BOT 457 □ MICR 130  ses (6 credits minimum):	☐ BIOL 410 ☐ BOT 350 ☐ HWST/BOT 458 ☐ OCN 331	☐ BIOL 490 ☐ FSHN 185	
related Interdisciplinary Sciences	□ ANTH 310 □ BIOL 340 □ BOT 201/ 201L □ FSHN 181/181L □ HWST 460 □ ZOOL 200/200L  List of approved cours □ ASTR 380	□ BIOL 360 □ BOT/ZOOL 450 □ HWST/BOT 457 □ MICR 130  ses (6 credits minimum): □ EDCS 433	□ BIOL 410 □ BOT 350 □ HWST/BOT 458 □ OCN 331 □ ATMO/OCN 310	☐ BIOL 490 ☐ FSHN 185 ☐ HWST 459	
related Interdisciplinary Sciences  Physical Science and related Interdisciplinary Sciences	□ ANTH 310 □ BIOL 340 □ BOT 201/ 201L □ FSHN 181/181L □ HWST 460 □ ZOOL 200/200L  List of approved cours □ ASTR 380 □ GEOG 365	□ BIOL 360 □ BOT/ZOOL 450 □ HWST/BOT 457 □ MICR 130  ses (6 credits minimum):	☐ BIOL 410 ☐ BOT 350 ☐ HWST/BOT 458 ☐ OCN 331	☐ BIOL 490 ☐ FSHN 185	
related Interdisciplinary Sciences  Physical Science and related Interdisciplinary Sciences  Computer Science Requirement	□ ANTH 310 □ BIOL 340 □ BOT 201/ 201L □ FSHN 181/181L □ HWST 460 □ ZOOL 200/200L List of approved cours □ ASTR 380 □ GEOG 365 ent (3-4 credits)	□ BIOL 360 □ BOT/ZOOL 450 □ HWST/BOT 457 □ MICR 130  ses (6 credits minimum): □ EDCS 433 □ GEOG 366	□ BIOL 410 □ BOT 350 □ HWST/BOT 458 □ OCN 331 □ ATMO/OCN 310	☐ BIOL 490 ☐ FSHN 185 ☐ HWST 459	
related Interdisciplinary Sciences  Physical Science and related Interdisciplinary Sciences	□ ANTH 310 □ BIOL 340 □ BOT 201/ 201L □ FSHN 181/181L □ HWST 460 □ ZOOL 200/200L  List of approved cours □ ASTR 380 □ GEOG 365	□ BIOL 360 □ BOT/ZOOL 450 □ HWST/BOT 457 □ MICR 130  ses (6 credits minimum): □ EDCS 433 □ GEOG 366	□ BIOL 410 □ BOT 350 □ HWST/BOT 458 □ OCN 331 □ ATMO/OCN 310	☐ BIOL 490 ☐ FSHN 185 ☐ HWST 459	
related Interdisciplinary Sciences  Physical Science and related Interdisciplinary Sciences  Computer Science Requirement	□ ANTH 310 □ BIOL 340 □ BOT 201/ 201L □ FSHN 181/181L □ HWST 460 □ ZOOL 200/200L List of approved cours □ ASTR 380 □ GEOG 365 ent (3-4 credits)	□ BIOL 360 □ BOT/ZOOL 450 □ HWST/BOT 457 □ MICR 130  ses (6 credits minimum): □ EDCS 433 □ GEOG 366	□ BIOL 410 □ BOT 350 □ HWST/BOT 458 □ OCN 331 □ ATMO/OCN 310	☐ BIOL 490 ☐ FSHN 185 ☐ HWST 459	
related Interdisciplinary Sciences  Physical Science and related Interdisciplinary Sciences  Computer Science Requireme Computer Science Courses	□ ANTH 310 □ BIOL 340 □ BOT 201/ 201L □ FSHN 181/181L □ HWST 460 □ ZOOL 200/200L List of approved cours □ ASTR 380 □ GEOG 365 ent (3-4 credits) □ ICS 101B or 101T	□ BIOL 360 □ BOT/ZOOL 450 □ HWST/BOT 457 □ MICR 130  ses (6 credits minimum): □ EDCS 433 □ GEOG 366  or □ LTEC 442  Notes	□ BIOL 410 □ BOT 350 □ HWST/BOT 458 □ OCN 331 □ ATMO/OCN 310 □ GEOG 368	☐ BIOL 490 ☐ FSHN 185 ☐ HWST 459	
related Interdisciplinary Sciences  Physical Science and related Interdisciplinary Sciences  Computer Science Requireme Computer Science Courses  College of Education, Office of Student	□ ANTH 310 □ BIOL 340 □ BOT 201/ 201L □ FSHN 181/181L □ HWST 460 □ ZOOL 200/200L List of approved cours □ ASTR 380 □ GEOG 365 ent (3-4 credits) □ ICS 101B or 101T	□ BIOL 360 □ BOT/ZOOL 450 □ HWST/BOT 457 □ MICR 130  ses (6 credits minimum): □ EDCS 433 □ GEOG 366  or □ LTEC 442  Notes 126; (808) 956-7915; osas@f	□ BIOL 410 □ BOT 350 □ HWST/BOT 458 □ OCN 331 □ ATMO/OCN 310 □ GEOG 368  awaii.edu; coe.hawaii.edu	☐ BIOL 490 ☐ FSHN 185 ☐ HWST 459	
related Interdisciplinary Sciences  Physical Science and related Interdisciplinary Sciences  Computer Science Requireme Computer Science Courses  College of Education, Office of Student Education Faculty Advisors:	□ ANTH 310 □ BIOL 340 □ BOT 201/ 201L □ FSHN 181/181L □ HWST 460 □ ZOOL 200/200L List of approved cours □ ASTR 380 □ GEOG 365 ent (3-4 credits) □ ICS 101B or 101T  nt Academic Services: Everly Denise Abara; Everly 126; (8	□ BIOL 360 □ BOT/ZOOL 450 □ HWST/BOT 457 □ MICR 130  ses (6 credits minimum): □ EDCS 433 □ GEOG 366  or □ LTEC 442  Notes 126; (808) 956-7915; osas@f 808) 956-5192; dabara@hawaii	□ BIOL 410 □ BOT 350 □ HWST/BOT 458 □ OCN 331 □ ATMO/OCN 310 □ GEOG 368  awaii.edu; coe.hawaii.edu i.edu	☐ BIOL 490 ☐ FSHN 185 ☐ HWST 459	
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Physical Science and related Interdisciplinary Sciences  Computer Science Requiremed Computer Science Courses  College of Education, Office of Studen Education Faculty Advisors:	□ ANTH 310 □ BIOL 340 □ BOT 201/ 201L □ FSHN 181/181L □ HWST 460 □ ZOOL 200/200L List of approved cours □ ASTR 380 □ GEOG 365 ent (3-4 credits) □ ICS 101B or 101T  nt Academic Services: Everly 126; (8) Laurie Akana; Everly 126; (8) Reid Kuioka; Everly 126; (8) Niki Libarios; Everly 126; (8) Denise Nakaoka; Everly 126; (8)	□ BIOL 360 □ BOT/ZOOL 450 □ HWST/BOT 457 □ MICR 130  ses (6 credits minimum): □ EDCS 433 □ GEOG 366  or □ LTEC 442  Notes 126; (808) 956-7915; osas@h 308) 956-5192; dabara@hawaii 308) 956-6695; akanalk@hawai 308) 956-5371; rkuioka@hawaii 308) 956-4268; nlibario@hawaii 308) 956-4268; nlibario@hawaii 308) 956-4274; nakaoka@ha	BIOL 410 BOT 350 HWST/BOT 458 OCN 331  ATMO/OCN 310 GEOG 368  awaii.edu; coe.hawaii.edu ii.edu ii.edu ii.edu ii.edu ii.edu ii.edu	□ BIOL 490 □ FSHN 185 □ HWST 459 □ GEOG 410	
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