

University of Hawai'i at Mānoa – Five-Year Academic Plan 2022-2023

School of Ocean and Earth Science and Technology/College of Education

Bachelor of Arts (BA) in Environmental Earth Science

Earth Science Education (ESE)/Post-Baccalaureate Certificate in Teacher Education (PBCTE)

This is a sample academic plan. Students should meet with an academic advisor prior to registration to formulate their own plan.

Year 1		Year 2		Year 3		Year 4		PBCTE Year 1		Required ERTH and other courses
Fall		Fall		Fall		Fall <i>Submit PBCTE Application</i>		Fall		Required ERTH/GenEd double-dip
ERTH 101/103/104/ 106/130 (DP)	3	ATMO 101	3	BIOL 171 (DB)	3	OCN 310	3	STE 402H	3	Required Education courses
ERTH 101L (DY)	1	ATMO 101L	1	BIOL 171L	1	ERTH 410 (E, O focus)	2	STE 404H	3	Science elective (see list below)
MATH 241 or 215 (FQ)	4	CHEM 161	3	ERTH 333	4	EDEP 311 (DS) ³	3	SPED 445	3	Upper Division elective (any topic)
OEST 100	1	CHEM 161L	1	ATMO 200	3	Science Elective	3			Lower Division elective (any topic)
FW	3	PHYS 152	3	Science Elective	3	Elective 300+	3			UHM GenEd/Graduation requirements
OCN 105 (FGA) ¹	3	PHYS 152L	1							Support courses
		ERTH 201 ²	3							
Credits	15	Credits	15	Credits	14	Credits	14	Credits	9	
Spring		Spring		Spring		Spring		Spring		
ERTH 200 ² (W focus)	4	EDEF 310 (DS) ³	3	ERTH 305 (W focus)	3	Science Elective	3	STE 405H	9	
ERTH 105 or	3	CHEM 162	3	BIOL 172	3	STE 401 ³	3	STE 406	3	
ASTR 110		CHEM 162L	1	BIOL 172L	1	STE 402N ³	3			
PHYS 151	3	OCN 201	3	Science Elective	3	STE 440 ³	3			
PHYS 151L	1	OCN 201L	1	Elective 300+	3					
ERTH 135 (FGC) ¹	3	DA/DL	3	Elective	3					
Elective	3	HWST 107 (DH, H-focus) ⁴	3							
Credits	17	Credits	17	Credits	16	Credits	12	Credits	12	
Summer		Summer		Summer		Summer		Summer		
Credits	0	Credits	0	Credits	0	Credits	0	Credits	0	
Total Credits	32	Total Credits	64	Total Credits	94	Total Credits	120	Total Credits	141	

Notes: Students must take placement exams to register for CHEM 161 and MATH 241. Minimum 45 upper division (300+ course) credits are required.

Students must incorporate all focus requirements into this plan. Focus designations (i.e., W, E, O, H) are CRN specific & semester specific.

EDEF 310 and EDEP 311 taken in the EES program will be waived in PBCTE Secondary science program.

STE 401, 402N, and 440 double-count for both programs. Advising for EES will be conducted by SOEST; advising for PBCTE will be conducted by COE.

The following may fulfill Science Elective courses: any upper division EARTH, EPET, ATMO, or OCN course, plus GEO 370, 388, 405; NREM 301, 302, 477; PEPS 451; PLAN 414; POLS 380; TPSS 304

¹or other FG course

²Either EARTH 200 or 201 can satisfy this requirement (taking both is recommended). Whichever is not taken should be replaced by an elective.

³Students not pursuing the BAP in Earth Science Education/Post Baccalaureate Certificate in Teacher Education may replace these courses with additional Earth 300+ electives. They will also need to ensure that two of their lower-division electives satisfy DS.

⁴or other DH course