

## Bachelor of Education, Middle-Level Education (6-8), General Science

The goal of academic advising is to further enhance the educational mission of the university, and create quality, accessible advising partnerships with all students in a positive environment that supports student success. This advising sheet is for tracking purposes toward degree completion and is subject to change. Students also may track their academic progress via STAR Degree Check through MyUH at [myuh.hawaii.edu](http://myuh.hawaii.edu). Academic Advising appointments may be scheduled by calling 808-689-2689 or toll-free from neighbor islands at 866-299-8656.

### Graduation Requirements (see the 2017-2018 catalog for any additional graduation requirements):

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> 45 Upper Division Credits Minimum | <input type="checkbox"/> 3 Upper Division Writing Intensive Courses | <input type="checkbox"/> 2.0 OVERALL GPA       |
| <input type="checkbox"/> 120 Total Credits Minimum         | <input type="checkbox"/> Focus Requirements (OC, HAP, ETH)          | <input type="checkbox"/> 2.0 UHWO GPA          |
| <input type="checkbox"/> 30 UHWO Credits                   |   | <input type="checkbox"/> 2.0 CONCENTRATION GPA |

### General Education Requirements: 31 credits

Credits	Course Alpha / Number / Title	WI or Focus	Semester Completed	Grade
3	Foundations Written Communications (FW) ENG 100 Composition I			
3	Foundations Symbolic Reasoning (FS) MATH 103 or higher			
3	Foundations Multicultural Perspectives (FG): (Recommended: HIST 151) 6 credits from two <b>different</b> groups (A, B, C): *Group A: Primarily before 1500 CE (e.g.; HIST 151 or ANTH 151) *Group B: Primarily after 1500 CE (e.g.; HIST 152 or ANTH 152) *Group C: Pre-history to present			
3	Foundations Multicultural Perspectives (FG): Group different from above.			
3	Diversification Arts, Humanities & Literature (DA, DH, DL): (Recommended H-Focus)			
3	Diversification Arts, Humanities & Literature (DA, DH, DL): (Recommended O-Focus)			
3	Diversification Social Sciences (DS): (Recommended: PSY 100)			
3	Diversification Social Sciences (DS): Different area from above.			
3	Diversification Natural Sciences (DB, DP, DY): 3 credits from the biological sciences (DB):			
3	3 credits from the physical sciences (DP): recommended PHYS or CHEM course			
1	1 credit of laboratory (DY):			

### Writing Skills Requirements: 3 credits

Credits	Course Alpha / Number / Title	WI or Focus	Semester Completed	Grade
3	ENG 200 Composition II (or equivalent) with a "C-" or higher			

### Lower Division Math Requirements: 0-3 credits

Credits	Course Alpha / Number / Title	WI or Focus	Semester Completed	Grade
0 or 3	MATH 103 with a "C-" or higher (can also satisfy general ed FS above)			

### Educational Foundations: 12-15 credits

Credits	Course Alpha / Number / Title	WI or Focus	Semester Completed	Grade
3	ETEC 279 Educational Media & Technology			
3	SPED 304 Foundations of Inclusive Schooling (20 hours of service learning required)	OC		
3	PSY 100 Survey of Psychology (can also satisfy general ed DS above)			
3	PSY 342 Educational Psychology			
3	PSY 343 Adolescent Psychology			

**Pre-Professional Teacher Education Courses: 9 credits**

Credits	Course Alpha / Number / Title	WI or Focus	Semester Completed	Grade
3	EDEF 200 Early Field Experience (1 cr) (45 hours in assigned DOE classroom) EDEF 201 Introduction to Teaching as a Career (2 cr) Prerequisite: Placement into ENG 100 or concurrent enrollment in ENG 22			
3	EDEF 310 Education in American Society (20 hours of service learning required) Prerequisite: Sophomore or higher level standing; completion of EDEF 200 and 201 with "C-" or higher or concurrent enrollment	WI		
3	EDEF 345 Introduction to Middle-level & Secondary Education (45 hours in assigned DOE classroom) Prerequisite: completion of EDEF 200 and 201 with "C-" or higher and prior or concurrent enrollment in EDEF 310.			

**Teacher Area General Science: 31-38 credits**

\*7 credits can satisfy DB, DP and DY in General Ed requirements

**Biology: 12 credits**

Credits	Course Alpha / Number / Title	WI or Focus	Semester Completed	Grade
4	BIOL 101/101L Biology and Society (3cr) and Lab (1cr)			
4	BIOL 123/123L Hawaiian Environmental Biology (3cr) and Lab (1cr)			
4	BOT 101/101L General Botany (3cr) and Lab (1cr)			

**Physical Science: 11 credits**

Credits	Course Alpha / Number / Title	WI or Focus	Semester Completed	Grade
3	BIOC 141 Fundamentals of Biochemistry (3cr)			
4	CHEM 100/100L Chemistry and Society (3cr) and Lab (1cr)			
4	PHYS 100/100L Survey of Physics (3cr) and Lab (1cr)			

**Earth Sciences: 8 credits**

Credits	Course Alpha / Number / Title	WI or Focus	Semester Completed	Grade
4	GEOL 101/101L Dynamic Earth (3cr) and Lab (1cr)			
4	4 GEOL 168/168L Planetary Science in the Classroom (3cr) and Lab (1cr)			

**Elective Science Course: 6 credits**

Select 6 credits from the following:

Courses:

BIOL 310 Statistics for Biologists (3cr)  
 BIOL 340 Genetics, Evolution & Society (3cr)  
 BIOL 360 Island Ecosystems (3 cr)  
 GEOL 130 Geological Hazards (3cr)  
 GEOL 200/L Geological Inquiry (3cr) and Lab (1cr)  
 GEOL 205 Geology of the Hawaiian Islands (3 cr)

Courses:

GEOL 300 Volcanology (3cr)  
 MET 101/L Introduction to Meteorology (3cr) and Lab (1 cr)  
 MET 209/L Introduction to Climate Studies (3cr) and Lab (1 cr)  
 MICR 130/140L General Microbiology (3cr) and Lab (2 cr) OCN 201  
 Science of the Sea (3cr) ZOOL 200/200L Marine Biology (3cr) and Lab (1cr)

Credits	Course Alpha / Number / Title	WI or Focus	Semester Completed	Grade
3				
3				

**Professional Teacher Education Requirements: 18 credits****Admission Requirements - Approval of Application for Professional Teacher Education (APTE):**

1. Submit an Application for Teacher Education (APTE) to the Division of Education by the 1st week of the semester preceding anticipated enrollment.
2. Praxis I PPST: Reading (172); Math (173); Writing (171) accepted if passed on or prior to 06/30/14; OR CORE: Reading (156); Writing (162); Math (150) OR SAT Reading (530); SAT Math (560); CORE Writing (156) OR ACT Reading (18); ACT MATH (19); CORE Writing (156) OR Bachelor's Degree awarded by a regionally accredited institution of higher education.
3. Completion of a minimum of 55 credits.
4. "C-" or higher in EDEF 200, EDEF 201, EDEF 310, and SPED 304. "C-" or higher in ENG 100, ENG 200, MATH 111, PSY 340 (or PSY 240 or FAMR 230), and PSY 342.
5. 2.5 Overall GPA; This includes GPA for credits transferred to UHWO.
6. Fingerprinting and criminal background check clearance by the Hawai'i Department of Education.

Credits	Course Alpha / Number / Title	WI or Focus	Semester Completed	Grade
12	<b>BLOCK 1</b> Prerequisite: APTE approval EDEF 404 WI Teaching Culturally and Linguistically Diverse Learners SPED 405 Educating Students with Disabilities EDML 430 Block 1 Practicum with Seminar (45 hours in assigned DOE classroom) EDUC 410 Reading & Writing Across the Curriculum	WI/ETH		
6	<b>BLOCK 2</b> Prerequisite: Completion of all Block 1 courses with "C-" or higher EDML 458 Middle level General Science Methods EDML 440 Block 2 Practicum with Seminar (45 hours in assigned DOE classroom)			

**The Professional Semester: 15 Credits****Student Teaching Application Requirements: (submit 8 mos. prior to enrollment in student teaching)**

1. Completion of all required Pre-professional & Professional and Professional Teacher Education courses.
2. 2.75 GPA or higher for the Methods Block courses (400-level series);
3. 2.5 overall or higher GPA, with no grade lower than a "C-" for all Education courses.
4. Content knowledge verification, must complete one of the options below:
  - a. Passing of Praxis II Content Knowledge Test. HTSB website <http://www.ets.org/praxis/hi/requirements> OR
  - b. Content major consisting of a minimum of 30 credits in the content field of the Bachelor's degree awarded by a regionally accredited institution of higher education OR
  - c. Complete a minimum of 30 credits in the content field from a regionally accredited institution of higher education with a 2.50+ GPA. At least 15 credits must be Upper Division.

Credits	Course Alpha / Number / Title	WI or Focus	Semester Completed	Grade
12	EDML 490 Student Teaching			
3	EDML 492 WI Student Teaching Seminar	WI		

**Electives: 0-2 Credits**

\*See a Student Services Advisor

Credits	Course Alpha / Number / Title	WI or Focus	Semester Completed	Grade
0-2				