

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

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 2015-2016 catalog for any additional graduation requirements):

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|--|---|--|
| <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 112 or higher			
3	Foundations Multicultural Perspectives (FG): 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):			
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 112 Mathematics for Elementary Teachers II with a grade of "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	EDEF 200 Early Field Experience (1cr) (45 hours in assigned DOE classroom) EDEF 201 Introduction to Teaching as a Career (2cr) Prerequisite: Placement into ENG 100 or concurrent enrollment in ENG 22			
3	EDEF 310 Education in American Society (20hrs service learning during the semester in setting approved by professor). Prerequisite: Sophomore or higher level standing; completion of EDEF 200 and 201 with "C" or higher or concurrent enrollment			
3	EDEF 279 Educational Media & Technology Prerequisite: ICS 101 with grade of "C" or higher or consent of instructor; placement into ENG 100 or concurrent enrollment in ENG 22.			
3	SPED 304 Foundations of Inclusive Schooling			
3	PSY 100 Survey of Psychology (can also satisfy general ed DS above)			
3	PSY 342 Educational Psychology			

Credits	Course Alpha / Number / Title	WI or Focus	Semester Completed	Grade
3	PSY 343 Adolescent Psychology			
3	EDEF 345 Introduction to Middle-level & Secondary Education			

**Mathematics: 38 credits**

Credits	Course Alpha / Number / Title	WI or Focus	Semester Completed	Grade
3	MATH 111 Mathematics for Elementary Teachers I			
3	MATH 112 Mathematics for Elementary Teachers II			
3	MATH 135 Pre-Calculus: Elementary Functions			
3	MATH 140 Pre-Calculus: Trigonometry and Analytic Geometry			
4	MATH 241 Calculus I			
4	MATH 242 Calculus II			
3	MATH 243 Calculus III			
3	MATH 307 Linear Algebra & Ordinary Differential Equations or Math 311 Introduction to Linear Algebra			
3	MATH 327 History of Mathematics			
3	MATH 496A Probability and Statistics for Teachers (under development)			
1	MATH 496B Geometry and Measurement for Teachers (under development)			

**Elective Math Courses: 3 credits**

Select one course from the following:

Courses:

- MATH 243 Calculus III
- MATH 244 Calculus IV
- MATH 331 Introduction to Real Analysis
- MATH 351 Foundation of Euclidean Geometry
- MATH 371 Elementary Probability Theory
- MATH 373 Elementary Statistics
- MATH 411 Linear Algebra

Courses:

- MATH 412 Introduction to Abstract Algebra I
- MATH 413 Introduction to Abstract Algebra II
- MATH 431 Advanced Calculus
- MATH 496C Math Applications for Elementary and Middle School Teachers (under development)
- MATH 496D Math Problem Solving for Teachers (under development)

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

**Professional Teacher Education Requirements: 18 credits**

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

1. 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)
2. Completion of a minimum of 55 credits.
3. "C" or higher in EDEF 200, EDEF 201, EDEF 310, and EDEF 345; "C-" or higher in ENG 100, ENG 200, MATH 112, PSY 342 and PSY 343
4. 2.5 Overall GPA; This includes GPA for credits transferred to UHWO.
5. Fingerprinting and criminal background check clearance by the Hawai'i Department of Education.

Credits	Course Alpha / Number / Title	WI or Focus	Semester Completed	Grade
9	<u>BLOCK 1</u> EDEF 404 WI Teaching Culturally and Linguistically Diverse Learners SPED 405 Educating Students with Disabilities EDML 430 Block 1 Practicum w/seminar (45 hours in assigned DOE classroom)	WI		
6	<u>BLOCK 2</u> EDUC 410 Reading and Writing Across the Curriculum EDML 438 Middle-level Math Methods EDML 440 Block 2 Practicum w/seminar (45 hours in assigned DOE classroom)	WI		

**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. Passing of Praxis II Content Knowledge Test. HTSB website <http://www.ets.org/praxis/hi/requirements>

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