

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. 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 2016-2017 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 different 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	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 (9 UD)

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.			

Mathematics: 38 credits

Credits	Course Alpha / Number / Title	WI or Focus	Semester Completed	Grade
3	MATH 111 Mathematics for Elementary Teachers I Prerequisite: Grade of "C" or better in MATH 103 or equivalent; or placement into MATH 111			
3	MATH 112 Mathematics for Elementary Teachers II Prerequisite: MATH 111 with grade of "C" or better			
3	Math 135 Pre-Calculus: Elementary Functions Prerequisite: Grade of "C" or better in MATH 103 or equivalent; or placement into MATH 135			
3	Math 140 Pre-Calculus: Trigonometry and Analytic Geometry Prerequisite: Grade of "C" or better in MATH 135 or equivalent; or placement into MATH 140			
4	MATH 241 Calculus I Prerequisite: Grade of "C" or better in MATH 140 or equivalent; or placement into MATH 241			
4	MATH 242 Calculus II Prerequisite: Grade of "C" or better in MATH 241 or equivalent; or placement into MATH 242			
3	MATH 307 Linear Algebra & Ordinary Differential Equations or MATH 311 Introduction to Linear Algebra Prerequisite: MATH 243 or concurrent enrollment			
	MATH 321 Introduction to Advanced Mathematics Prerequisite: MATH ENG 200 and MATH 243 or concurrent			
3	MATH 327 History of Mathematics Prerequisite: MATH 242 or equivalent. MATH 311 or MATH 321 recommended			
3	MATH 496A Profitability and Statistics for Teachers (under development)			
1	MATH 496B Geometry and Measurement for Teachers (under development)			

Elective Math Courses: 3 credits

Select 3 credits from the following, 6 credits must be Upper Division:

Courses:

MATH 243 Calculus III
(recommended; prerequisite for MATH 307 or MATH 311 requirement)
MATH 244 Calculus IV
MATH 331 Introduction to Real Analysis
MATH 351 Foundation of Euclidean Geometry
MATH 371 Elementary Probability Theory

Courses:

MATH 373 Elementary Statistics
MATH 411 Linear Algebra
MATH 412 Introduction to Abstract Algebra I
MATH 413 Introduction to Abstract Algebra II
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. 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
9	BLOCK 1 Prerequisite: APTE approval 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/ETH		
6	BLOCK 2 Prerequisite: Completion of all Block 1 courses with "C-" or higher 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. 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		