Mathematics Teaching Major MAP (6030)

No Minor Required

This is a suggested plan. Meet with you major advisor at least once a year to create a specific plan that best fits your academic needs. Remember, taking an average of 15 credit hours per semester facilitates timely graduation.

2017/2018 Catalog Year   NAME: _____

✓	Course	Credits	Sem Offered	Milestones & Notes
Freshman (Semester 1) – Start MATH 1210 and ENGL 2010				• * Cross-reference major requirements with general education requirements – some major courses may double as general education.
	MATH 1210 (QL) Calculus I	4	Su, F, Sp	
	* PHYS 2210 (PS) Physics for Scientists & Engineers I	5	F, Sp	• Admission to the Teacher Education Programs is a separate process from general university admission. Students are admitted two times per year: fall semester and spring semester. Applicants are evaluated using a 100-point system using GPA, Praxis II/ACT scores, and interviews. Contact The Teacher Education Advising Center at 801-626-6309.
	ENGL 2010 (EN) Intermediate College Writing	3	Su, F, Sp	
	Gen Ed Information Literacy LIBS 1704 **or** EDUC 2604 Info Resources in Education	1	Su, F, Sp	
	Gen Ed	3	Su, F, Sp	
	Total Semester Credits	**16**		
Freshman (Semester 2)				• 'C' or better in each MATH course.
	MATH 1220 Calculus II	4	Su, F, Sp	• The Professional Education component of the Secondary Education program requires **two semesters** to complete. Therefore, it is **very important** that candidates have completed the General Education requirements and most of the teaching major and minor requirements prior to entering the program. Because of possible scheduling difficulties, failure to do so could mean spending an extra semester (or more) in completing the program.
	MATH 3110 Foundations of Algebra	3	Sp	
	EDUC 1010 Exploring Teaching	3	Su, F, Sp	
	* CHF 1500 (SS) Human Development **or** PSY 3140 Psychology of Adolescence	3	Su, F, Sp	
	* COMM 1020 (HU) Principles of Public Speaking **or** * COMM 2110 (HU) Interpersonal & Small Group Communication	3	Su, F, Sp	
	Total Semester Credits	**16**		
Freshman (Optional)				• **Should have a minimum of 30 credit hours - consider summer classes if short.**
				• Major courses are prioritized over Gen Ed courses. Significant deviations from the MAP will likely result in additional semesters required to graduate.
	Total Semester Credits			
Sophomore (Semester 1)				• 'C' or better in each MATH course.
	**MATH 2120 Euclidean Geometry	3	F	• Overall GPA of 3.0 or higher.
	MATH 2210 Calculus III	4	Su, F, Sp	• Overall and MATH GPA 3.3 for Departmental Honors program.
	MATH 2270 Elementary Linear Algebra	3	F, Sp	• ** MATH 2120 will become MTHE 2120 Geometry from a Teaching Perspective fall 2018
	Gen Ed	3	Su, F, Sp	
	Gen Ed	3	Su, F, Sp	
	Total Semester Credits	**16**		
Sophomore (Semester 2)				• 'C' or better in each MATH course.
	MATH 2280 Ordinary Differential Equations **or** MATH 3550 Intro to Mathematical Modeling	3	F,Sp F	• Overall GPA of 3.0 or higher.
	MATH 3120 Foundations of Euclidean & non-Euclidean Geometry	3	Sp	• Overall and MATH GPA 3.3 for Departmental Honors program.
	MATH 3160 Number Theory	3	Sp	• At least 9 credit hours of UD math must be completed at Weber State University.
	Gen Ed	3	Su, F, Sp	
	Gen Ed	3	Su, F, Sp	
	Total Semester Credits	**15**		
Sophomore (Optional)				• **Should have a minimum of 60 credit hours - consider summer classes if short.**
	Total Semester Credits			

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Junior (Semester 1)				• The Professional Education component of the Secondary Education program requires **two semesters** to complete. Therefore, it is **very important** that candidates have completed the General Education requirements and most of the teaching major and minor requirements prior to entering the program. Because of possible scheduling difficulties, failure to do so could mean spending an extra semester (or more) in completing the program.
	MATH 3410 Probability & Statistics I	3	F	
	MATH 4210 Introduction to Real Analysis	3	F	
	MTHE 4110 Algebra from a Teaching Perspective	3	F	
	Gen Ed	3	Su, F, Sp	
	Elective Credit	3		
	Total Semester Credits	**15**		
Junior (Semester 2)				• Apply for Departmental Honors program at least one semester before graduation. Overall and MATH GPA 3.3. Talk to advisor about research projects. • Provisional admission to teacher education is required prior to enrollment in 3000-level and above education classes. Contact the Teacher Education Advising Center at 801-626-6309.
	MTHE 3010 Methods & Technology for Teaching Secondary Mathematics	3	Sp	
	MTHE 3060 Probability and Statistics from a Teaching Perspective	3	Sp	
	UD MATH Elective	3		
	Elective Credit	3		
	Elective Credit	3		
	Total Semester Credits	**15**		
Junior (Optional)				• **Should have a minimum of 90 credit hours - consider summer classes if short.**
	Total Semester Credits			
Senior (Semester 1) Secondary Education Teaching Core				• Apply for Departmental Honors program at least one semester before graduation. Overall and MATH GPA 3.3. Talk to advisor about research projects.
	EDUC 3220 Foundation of Diversity	2	F, Sp	
	EDUC 3265 The Exceptional Student	2	F, Sp	
	EDUC 3315 Media Integration	1	F, Sp	
	EDUC 3900 Preparing, Teaching, and Assessing Instruction	3	F, Sp	
	EDUC 3910 Secondary Education Practicum	2	F, Sp	
	EDUC 3935 Reading and Writing Across Secondary Curriculum	2	F, Sp	
	Elective Credit	3		
	Total Semester Credits	**15**		
Senior (Semester 2) Secondary Teacher Education Clinical Practice				• **Minimum 120 credit hours needed for graduation.** • **Student teaching this semester.** • Present research project for Departmental Honors. • Apply for graduation early. • Contact Math Dept. for graduation sign-off. • Complete Graduate Exit Survey.
	EDUC 4940 A Clinical Practice in Secondary Education	8	F, Sp	
	EDUC 4950 Integrated Secondary Clinical Practice Seminar	4	F, Sp	
	Total Semester Credits	**12**		
Senior (Optional)				
	Total Semester Credits			
	Total # of Credits for Graduation (120 minimum)			

Gen Ed Breadth Requirements

- ☐ CA Creative Arts ☐ HU Humanities ☐ CA or HU
- ☐ SS Social Science ☐ SS Social Science
- ☐ LS Life Science ☐ PS Physical Science ☐ LS or PS
- ☐ DV (Diversity credit can double dip w/Breadth courses)

AVOID MISADVISEMENT!
Consult your **academic advisor**, the **WSU catalog** (weber.edu/catalog), and your **CatTracks** degree evaluation (log into your eWeber Student Portal).

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Revised 4/24/2017