Applied Math Major Graduation MAP (6031)

No Minor Required – Engineering Track (6025)

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.

WEBER STATE UNIVERSITY
College of Science

2017/2018 Catalog Year ***NAME:*** _____

✓	Course	Credits	Sem Offered	Milestones & Notes
Freshman (Semester 1) – Start MATH 1210 and ENGL 2010				• 19 credits LD MATH and 18 credits UD MATH required courses. • 22 credit hours UD MATH or UD Engineering (at least 6 credit hours must be Engineering – DET, EE, EET, MET, or MFET). • **^** Try to match Gen Ed Physical Science (PS) courses to prerequisites for UD Engineering courses (DET, EE, EET, MET, MFET)
	MATH 1210 Calculus I (QL)	4	Su, F, Sp	
	MATH 1200 Mathematics Computer Lab	1	Su, F, Sp	
	ENGL 2010 (EN) Intermediate College Writing	3	Su, F, Sp	
	^ Gen Ed Physical Science (PS)	3	Su, F, Sp	
	Gen Ed Information Literacy LIBS 1704	1	Su, F, Sp	
	Possible prereq for UD DET, EE, EET, MET, or MFET	3		
	Total Semester Credits	**15**		
Freshman (Semester 2)				• Important to complete MATH 1210 and 1220 for prerequisites. • Overall and MATH GPA of 2.0 or higher. • 'C' or better in each MATH course.
	MATH 1220 Calculus II	4	Su, F, Sp	
	Possible prereq for UD DET, EE, EET, MET, or MFET	3		
	Possible prereq for UD DET, EE, EET, MET, or MFET	3		
	Gen Ed	3	Su, F, Sp	
	Gen Ed	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)				• Overall and MATH GPA of 2.0 or higher. • 'C' or better in each MATH course. • Overall and MATH GPA 3.3 for Departmental Honors program.
	MATH 2210 Calculus III	4	Su, F, Sp	
	MATH 2270 Elementary Linear Algebra **or** MATH 2280 Ordinary Differential Equations	3	F, Sp	
	Possible prereq for UD DET, EE, EET, MET, or MFET	3		
	Gen Ed	3	Su, F, Sp	
	Gen Ed	3	Su, F, Sp	
	Total Semester Credits	**16**		
Sophomore (Semester 2)				• *** Complete six of the following required courses: MATH 3280** Dynamical Systems (Sp even years), **MATH 3410** Probability and Statistics I (F), **MATH 3550** Math Modeling (F), **MATH 3710** Boundary Value Problems (F), **MATH 3810** Complex Variables (F odd years), **MATH 4610** Numerical Analysis I (F even years), **MATH 4620** Numerical Analysis II (Sp odd years), **MATH 4710** Partial Differential Equations (Sp odd years).
	MATH 2270 Elementary Linear Algebra **or** MATH 2280 Ordinary Differential Equations	3	F, Sp	
	***** UD Required MATH	3		
	****** UD Engineering	3		
	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.** • ** Complete at least 22 elective credit hours of UD MATH or UD Engineering courses (DET, EE, EET, MET, or MFET). Minimum of 6 credit hours of Engineering courses.
	Total Semester Credits			

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Junior (Semester 1)				• Overall GPA and MATH GPA of 2.0 or higher. • 'C' or better in each MATH course. • Overall and MATH GPA 3.3 for Departmental Honors program. • ** Complete at least 22 elective credit hours of UD MATH or UD Engineering courses (DET, EE, EET, MET, or MFET). Minimum of 6 credit hours of Engineering courses.
	* UD Required MATH	3		
	* UD Required MATH	3		
	** UD Engineering	3		
	Gen Ed	3	Su, F, Sp	
	Gen Ed	3	Su, F, Sp	
	Total Semester Credits	**15**		
Junior (Semester 2)				• * **Complete six of the following required courses: MATH 3280** Dynamical Systems (Sp even years), **MATH 3410** Probability and Statistics I (F), **MATH 3550** Math Modeling (F), **MATH 3710** Boundary Value Problems (F), **MATH 3810** Complex Variables (F odd years), **MATH 4610** Numerical Analysis I (F even years), **MATH 4620** Numerical Analysis II (Sp odd years), **MATH 4710** Partial Differential Equations (Sp odd years).
	* UD Required MATH	3		
	* UD Required MATH	3		
	** UD MATH or UD Engineering	3		
	** UD MATH or UD Engineering	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)				• Apply for Departmental Honors program at least one semester before graduation. Overall and MATH GPA 3.3. Talk to advisor about research project.
	* UD Required MATH	3		
	** UD MATH or UD Engineering	3		
	** UD MATH or UD Engineering	3		
	Elective Credit	3		
	Elective Credit	3		
	Total Semester Credits	**15**		
Senior (Semester 2)				• **Minimum 120 credit hours needed for graduation.** • Present research project for Departmental Honors. • Apply for graduation early. • Contact Math Dept. for graduation sign-off. • Complete Graduate Exit Survey.
	** UD MATH or UD Engineering	3		
	** UD MATH or UD Engineering	3		
	UD Elective for total of 40 UD credits if needed	3		
	Elective Credit if needed	3		
	Elective Credit if needed	3		
	Total Semester Credits	**15**		
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