Applied Math Major Graduation MAP (6031)

No Minor Required – Regular Track (6022)

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 12 credits UD MATH required courses.
	MATH 1210 Calculus I (QL)	4	Su, F, Sp	• 12 credits UD MATH electives.
	MATH 1200 Mathematics Computer Lab	1	Su, F, Sp	• * 6-10 support course credits – complete two calculus-based courses outside of MATH, i.e. PHYS 2210, PHYS 2220, CHEM 3400, etc. Contact department for list of approved courses.
	* PHYS 2210 (PS) Physics for Scientists & Engineers I **or** other approved calculus-based course	5	F, Sp	
	ENGL 2010 (EN) Intermediate College Writing	3	Su, F, Sp	
	Gen Ed Information Literacy LIBS 1704	1	Su, F, Sp	• Important to complete MATH 1210 and 1220 early for prerequisites.
	Total Semester Credits	**14**		
Freshman (Semester 2)				• Overall and MATH GPA of 2.0 or higher.
	MATH 1220 Calculus II	4	Su, F, Sp	• 'C' or better in each MATH course.
	* PHYS 2220 Physics for Scientists and Engineers II **or** other approved calculus-based course	5	F, Sp	
	Gen Ed	3	Su, F, Sp	
	Gen Ed	3	Su, F, Sp	
	Total Semester Credits	**15**		
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.
	MATH 2210 Calculus III	4	Su, F, Sp	• 'C' or better in each MATH course.
	MATH 2270 Elementary Linear Algebra **or** MATH 2280 Ordinary Differential Equations	3	F, Sp	• Overall and MATH GPA 3.3 for Departmental Honors program.
	Gen Ed	3	Su, F, 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	**16**		
Sophomore (Semester 2)				• Overall and MATH GPA of 2.0 or higher.
	MATH 2270 Elementary Linear Algebra **or** MATH 2280 Ordinary Differential Equations	3	F, Sp	• 'C' or better in each MATH course.
	UD MATH Elective	3		• Overall and MATH GPA 3.3 for Departmental Honors program.
	** UD Elective	3		• ** Students must have 40 credits of upper division (3000 or higher) courses in any subject.
	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)				• Overall GPA and MATH GPA of 2.0 or higher.
	MATH 3410 Probability & Statistics I	3	F	• 'C' or better in each MATH course.
	MATH 3710 Boundary Value Problems **or** MATH 3280 Dynamical Systems	3	F Sp Even Years	• Overall and MATH GPA 3.3 for Departmental Honors program.
	Gen Ed	3	Su, F, Sp	• Minimum of additional 12 credit hours of UD elective MATH required.
	Elective Credit	3		
	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 project.
	UD MATH Elective	3		
	UD MATH Elective	3		• ** Students must have 40 credits of upper division (3000 or higher) courses in any subject.
	** UD Elective	3		
	** UD Elective	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.
	MATH 3550 Introduction to Mathematical Modeling	3	F	
	MATH 4610 Numerical Analysis I	3	F Even Years	
	** UD Elective	3		
	Elective Credit	3		
	Elective Credit	3		
	Total Semester Credits	**15**		
Senior (Semester 2)				• **Minimum 120 credit hours needed for graduation.**
	UD MATH Elective	3		• Present research project for Departmental Honors.
	** UD Elective	3		• Apply for graduation early.
	** UD Elective if needed	3		• Contact Math Dept. for graduation sign-off.
	Elective Credit	3		• Complete Graduate Exit Survey.
	Elective Credit	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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