

Applied Math Major Graduation MAP (6031)

No Minor Required – Regular Track (6022)

This is a suggested plan. Meet with your 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

2020/2021 Catalog Year

NAME: _____

✓	Course	Credits	Sem Offered	Milestones & Notes
Freshman (Semester 1) – Start MATH 1210 and ENGL 2010				<ul style="list-style-type: none"> 19 credits LD MATH and 12 credits UD MATH required courses. 12 credits UD MATH electives. * 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. Important to complete MATH 1210 and 1220 early for prerequisites.
	MATH 1210 Calculus I (QL)	4	Su, F, Sp	
	MATH 1200 Mathematics Computer Lab	1	Su, F, Sp	
	* 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	
	Total Semester Credits	14		
Freshman (Semester 2)				<ul style="list-style-type: none"> Overall and MATH GPA of 2.0 or higher. 'C' or better in each MATH course.
	MATH 1220 Calculus II	4	Su, F, Sp	
	* 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)				<ul style="list-style-type: none"> 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)				<ul style="list-style-type: none"> 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. At least 9 credit hours of UD MATH must be completed at Weber State University.
	MATH 2210 Calculus III	4	Su, F, Sp	
	MATH 2270 Elementary Linear Algebra or MATH 2280 Ordinary Differential Equations	3	F, Sp	
	Gen Ed	3	Su, F, Sp	
	Gen Ed	3	Su, F, Sp	
	Gen Ed	3	Su, F, Sp	
	Total Semester Credits	16		
Sophomore (Semester 2)				<ul style="list-style-type: none"> 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. ** Students must have 40 credits of upper division (3000 or higher) courses in any subject.
	MATH 2270 Elementary Linear Algebra or MATH 2280 Ordinary Differential Equations	3	F, Sp	
	UD MATH Elective	3		
	** UD Elective	3		
	Gen Ed	3	Su, F, Sp	
	Gen Ed	3	Su, F, Sp	
	Total Semester Credits	15		
Sophomore (Optional)				<ul style="list-style-type: none"> Should have a minimum of 60 credit hours - consider summer classes if short.
	Total Semester Credits			

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Junior (Semester 1)				<ul style="list-style-type: none"> 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. Minimum of additional 12 credit hours of UD elective MATH required.
	MATH 3410 Probability & Statistics I	3	F	
	MATH 3710 Boundary Value Problems or MATH 3280 Dynamical Systems	3	F Sp Even Years	
	Gen Ed	3	Su, F, Sp	
	Elective Credit	3		
	Elective Credit	3		
	Total Semester Credits	15		
Junior (Semester 2)				<ul style="list-style-type: none"> Apply for Departmental Honors program at least one semester before graduation. Overall and MATH GPA 3.3. Talk to advisor about research project. ** Students must have 40 credits of upper division (3000 or higher) courses in any subject.
	UD MATH Elective	3		
	UD MATH Elective	3		
	** UD Elective	3		
	** UD Elective	3		
	Elective Credit	3		
	Total Semester Credits	15		
Junior (Optional)				<ul style="list-style-type: none"> Should have a minimum of 90 credit hours - consider summer classes if short.
	Total Semester Credits			
Senior (Semester 1)				<ul style="list-style-type: none"> 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)				<ul style="list-style-type: none"> 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 Elective	3		
	** UD Elective	3		
	** UD Elective if needed	3		
	Elective Credit	3		
	Elective Credit	3		
	Total Semester Credits	15		
Senior (Optional)				
	Total Semester Credits			
	Total # of Credits for Graduation (120 minimum)			

Gen Ed Breadth Requirements			<p><i>AVOID MISADVISEMENT!</i></p> <p>Consult your academic advisor, the WSU catalog (weber.edu/catalog), and your CatTracks degree evaluation (log into your eWeber Student Portal).</p>
<input type="checkbox"/> CA Creative Arts	<input type="checkbox"/> HU Humanities	<input type="checkbox"/> CA or HU	
<input type="checkbox"/> SS Social Science	<input type="checkbox"/> SS Social Science	<input type="checkbox"/> AI Amer Inst	
<input type="checkbox"/> LS Life Science	<input type="checkbox"/> PS Physical Science	<input type="checkbox"/> LS or PS	
<input type="checkbox"/> DV (Diversity credit can double dip w/Breadth courses)			

Revised 2/24/2020