

Applied Math Major Graduation MAP (6031)



**WEBER STATE
UNIVERSITY**

College of Science

No Minor Required – Physical Track (6024)

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				<ul style="list-style-type: none"> • 19 credits LD MATH and 18 credits UD MATH required courses. • ~ 22 additional credits UD MATH, CHEM, GEO or PHYS courses (at least 6 credits must be outside MATH). • Important to complete MATH 1210 and 1220 early for prerequisites. • ^ Try to match Gen Ed Physical Science (PS) courses to prerequisites for UD CHEM, GEO, or PHYS courses.
	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	
	Gen Ed	3	Su, F, Sp	
	Total Semester Credits	16		
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. • ^ Try to match Gen Ed Physical Science (PS) courses to prerequisites for UD CHEM, GEO, or PHYS courses.
	MATH 1220 Calculus II	4	Su, F, Sp	
	^ Gen Ed Physical Science (PS)	3	Su, F, Sp	
	Possible prereq for UD CHEM, GEO, PHYS	3		
	Gen Ed	3	Su, F, Sp	
	Gen Ed	3	Su, F, Sp	
	Total Semester Credits	16		
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. • Look ahead for UD CHEM, GEO, or PHYS courses that could require additional prerequisites.
	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 CHEM, GEO, PHYS	3		
	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"> • At least 9 credit hours of UD MATH must be completed at Weber State University. • ~ 22 additional credits UD MATH, CHEM, GEO or PHYS courses (at least 6 credits must be outside MATH).
	MATH 2270 Elementary Linear Algebra or MATH 2280 Ordinary Differential Equations	3	F, Sp	
	~ UD CHEM, GEO, PHYS	3		
	~ UD CHEM, GEO, PHYS	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.

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Total Semester Credits				
✓	Course	Credits	Sem Offered	Milestones & Notes
Junior (Semester 1)				<ul style="list-style-type: none"> * Complete six of the following 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 4710 Partial Differential Equations (Sp odd years).
	* UD Required MATH	3		
	* UD Required MATH	3		
	~ UD MATH, CHEM, GEO, PHYS	3		
	~ UD MATH, CHEM, GEO, PHYS	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. ~ 22 additional credits UD MATH, CHEM, GEO or PHYS courses (at least 6 credits must be outside MATH).
	* UD Required MATH	3		
	* UD Required MATH	3		
	~ UD MATH, CHEM, GEO, PHYS	3		
	~ UD MATH, CHEM, GEO, PHYS	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.
	* UD Required MATH	3		
	* UD Required MATH	3		
	~ UD MATH, CHEM, GEO, PHYS	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, CHEM, GEO, PHYS if needed	3		
	Elective Credit if needed	3		
	Elective Credit if needed	3		
	Total Semester Credits	12		
Senior (Optional)				
	Total Semester Credits			
	Total # of Credits for Graduation (120 minimum)			

Gen Ed Breadth Requirements		
<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"/> 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)		

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