

Applied Math Major Graduation MAP (6031)

No Minor Required – Computer Track (6023)

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

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 15 credits UD MATH required courses. • 16 credits LD CS courses required. • 25 credit hours UD MATH or CS courses (at least 6 credit hours must be CS). • Important to complete MATH 1210 and 1220 early for prerequisites. • *CS 1030 coreq for CS 1400
	MATH 1210 Calculus I (QL)	4	Su, F, Sp	
	*CS 1030 Foundations of Computer Science	4	Su, F, Sp	
	*CS 1400 Fundamentals of Programming	4	Su, 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	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. • ~ CS 2130 Computational Structures in place of MATH 1630 Discrete Mathematics Applied to Computing.
	MATH 1220 Calculus II	4	Su, F, Sp	
	CS 1410 Object-Oriented Programming	4	Su, F, Sp	
	~ CS 2130 Computational Structures	4	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.
	MATH 2210 Calculus III	4	Su, F, Sp	
	MATH 2270 Elementary Linear Algebra or MATH 2280 Ordinary Differential Equations	3	F, Sp	
	CS 2420 Intro to Data Structures and Algorithms	4	Su, F, Sp	
	MATH 1200 Mathematics Computer Lab	1	Su, F, Sp	
	Gen Ed	3	Su, F, Sp	
	Total Semester Credits	15		
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. • At least 9 credit hours of UD (upper division 3000 or higher) MATH must be completed at WSU. • 25 credit hours UD MATH or CS courses (at least 6 credit hours must be CS).
	MATH 2270 Elementary Linear Algebra or MATH 2280 Ordinary Differential Equations	3	F, Sp	
	UD CS	4		
	UD CS or MATH	3		
	Gen Ed	3	Su, F, Sp	
	Gen Ed	3	Su, F, Sp	
	Total Semester Credits	16		
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. 25 credit hours UD CS or MATH courses (at least 6 credit hours must be CS).
	MATH 3410 Probability & Statistics I	3	F	
	MATH 3610 Graph Theory	3	F Odd Years	
	UD CS	4		
	Gen Ed	3	Su, F, Sp	
	Gen Ed	3	Su, F, Sp	
	Total Semester Credits	16		
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.
	UD CS or MATH	3		
	UD CS or MATH	3		
	Gen Ed	3	Su, F, Sp	
	Gen Ed	3	Su, F, Sp	
	Gen Ed	3	Su, F, Sp	
	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 CS or MATH	3		
	UD CS or MATH	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.
	MATH 4620 Numerical Analysis II or MATH 3620 Enumeration	3	Sp Odd Years Sp Even Years	
	UD CS or MATH if needed	3		
	UD CS or MATH 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		
<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