

A Major Academic Plan (MAP) is one way to complete a degree in a set number of semesters. The *example* below is only one strategy. Actual plans for individual students will vary based on advisor recommendations and academic needs. Official Program Requirements including Major, General Education, Electives, and university requirements (see pg.2) are based on Catalog Year.

Course Subject and Title	Cr.	Min. Grade	*GE, UU or UM	**Sem. Offered	Prerequisite	Co-Requirement
<b>Semester One</b>						
GE Objective 3: MATH 1170 Calculus I	4		GE	F, S, Su	MATH 1144 or MATH 1147	
GE Objective 1: ENGL 1101 English Composition	3		GE	F, S, Su	Appropriate placement score	
GE Objective 7: CS 1181 Computer Science & Prog I	3		GE	F, S	MATH 1143 or MATH 1147	
GE Objective 4	3		GE	F, S, Su		
Free Electives	1					
<b>Total</b>	<b>14</b>					
<b>Semester Two</b>						
MATH 1175 Calculus II	4			F, S, Su	MATH 1170	
MATH 2240 Linear Algebra	3			F, S, Su	MATH 1170	
GE Objective 1: ENGL 1102 Critical Reading & Writing	3		GE	F, S, Su	ENGL 1101 or (1101P) or equivalent	
GE Objective 4	3		GE	F, S, Su		
GE Objective 6	3		GE	F, S, Su		
<b>Total</b>	<b>16</b>					
<b>Semester Three</b>						
MATH 2275 Calculus III	4			F, S	MATH 1175	
MATH 3310 Mathematical Modeling	3			D	MATH 1175, and either CS1181 or ME 1165	
GE Objective 2	3		GE	F, S, Su		
GE Objective 5: No lab	3		GE	F, S, Su		
Free Electives	2					
<b>Total</b>	<b>15</b>					
<b>Semester Four</b>						
MATH 3326 Elementary Analysis	3		UM	F, S	MATH 1175 and either MATH 2240 or MATH 2287	
MATH 3360 Differential Equations	3		UM	F, S	MATH 1175; MATH 2240 or MATH 2275 recommended	
GE Objective 6	3		GE	F, S, Su		
GE Objective 9	3		GE	F, S, Su		
Free Electives	3					
<b>Total</b>	<b>15</b>					
<b>Semester Five</b>						
Either MATH 4421 Advanced Engineering Mathematics or MATH 4465 Partial Differential Equations	3		UM	F	MATH 3360	
MATH 4423 Introduction to Real Analysis	3		UM	OS	MATH 2275 and MATH 3360	
MATH 2240 and MATH 3326	3		UM	F		
GE Objective 5: w/lab	4		UM			
Free Electives	5					
<b>Total</b>	<b>15</b>					
<b>Semester Six</b>						
MATH 3352 Introduction to Probability	3		UM	F, S	MATH 1175	
Applied Mathematics Elective (see list)	3		UM		See Catalog	
Free Electives	9		GE	F, S, Su		
<b>Total</b>	<b>15</b>					
<b>Semester Seven</b>						
MATH 4441 Introduction to Numerical Analysis I	3		UM		MATH 2240, MATH 3326, MATH 3360	
Applied Mathematics Elective (see list)	3		UM	F	See Catalog	
Free Electives	9					
<b>Total</b>	<b>15</b>					
<b>Semester Eight</b>						
Applied Mathematics Elective (see list)	3		UM		See Catalog	
Upper Division Free Electives	6		UU			
Free Electives	6					
<b>Total</b>	<b>15</b>					

\*GE=General Education Objective, UU=Upper Division University, UM= Upper Division Major

\*\*See Course Schedule section of Course Policies page in the e-catalog (or input F, S, Su, etc.)

