# MY DEGREE MAP TROY UNIVERSITY

## College of Arts and Sciences Approved Academic Plan

## Mathematics Major Program Year 2013 2014

1 <sup>st</sup> Semester/Term 1 2	Hours	2 <sup>nd</sup> Semester/Term 3.4	Hours	3 <sup>rd</sup> Semester/T5	Hours
Troy 1101 University Orientation	1	ENG 1102/04 Comp/Mod English II	3	Select courses that have not been completed from the	
ENG 1101/03 Comp/Mod English I#	3	BIO 1100 Principles of Bio and Lab	4 <sup>.</sup>	previous 2 semesters/ 4 terms or courses such as	
MTH 1125 Calculus I#	4 <sup>.</sup>	AREA IV, Group 2 elective**	3	prerequisite courses or courses to be retaken	
AREA II, Group 4 elective	3	ART 1133* or MUS 1131* DRA 2200	2		•
ART 1133* or MUS 1131* or DRA 2200	2	MTH 1126 Calculus II	4		•
AREA IV, Group 2 elective**	3				•
TOTAL	16 <sup>°</sup>	TOTAL	16 <sup>°</sup>		
•	•		•	•	•
3 <sup>rd</sup> Semester/Term 1 2	Hours	4 <sup>th</sup> Semester/Term 3 4	Hours	3 <sup>rd</sup> Semester/T5	Hours
AREA II, Group 3 literature elective	3	AREA IV, Group 2 elective**	3	Select courses that have not been completed from the	
AREA III, Continued, science elective	4 <sup>.</sup>	COM 2241 Fundamentals of Speech	3	previous 2 semesters/ 4 terms or courses such as	
History Course from AREA IV	3	MTH 2220 Computer Prog/Math	3	prerequisite courses or courses to be retaken	
MTH 2227 Calculus III	4	Course to apply in minor	3		
Free electives	2	Free electives	3		
		•			
TOTAL	16 <sup>°</sup>	TOTAL	15 <sup>°</sup>		
•	•	•	•	•	·
5 <sup>th</sup> Semester/Term 1 2	Hours	6 <sup>th</sup> Semester/Term 3 4	Hours	3 <sup>rd</sup> Semester/T5	Hours
Required Mathematics course	3	Required Mathematics course	3	Select courses that have not been completed f	fromithe
Required Mathematics course	3	Required Mathematics course	3	previous 2 semesters/ 4 terms or courses such as	
Course to apply in minor	3	Course to apply in minor	3	prerequisite courses or courses to be retaken	
Course to apply in minor	3	Free electives	3		•
Free electives	3	Free electives	3		
TOTAL	15 <sup>°</sup>	TOTAL	15		
•	•	•	•	•	•

Required Mathematics course

3 Required Mathematics course

3 Select courses that have not been completed from the

Group 3: Take three semester hours from the following: *ENG 2205, *ENG 2206, ENG 2211, ENG 2212,	3 hours
ENG 2244, or ENG 2245	
Group 4: Take three semester hours from the following:	3 hours
*CLA 2260 , *ENG 2205, *ENG 2206, ENG 2211,	
ENG 2212, ENG 2244, ENG 2245, *FRN 1101,	
*GER 1121, *GRK 1111, IDS 2200, *LAT 1131,	
PHI 2203, PHI 2204, ANT 2280 or SPN 1141	
C. AREA III:	
Group 1: Take BIO 1100/L 100 General Biology w/Lab	3/1 hours

Oroup 1.	Take BIO 1100/L 100 General Biology W/Lab	J/1 Hours
Group 2:	Take MTH 1125 Calculus I	4 hours

#### Mathematics Major - Program Year 2013-2014 (38 hours)

### 1. Take all of the following Mathematics courses:

MTH 1126	Calculus II	4 hours
MTH 2227	Calculus III	4 hours
MTH 3311	Differential Equations	3 hours
MTH 3318	Intro to Advanced Mathematics	3 hours
MTH 3331	Linear Algebra	3 hours
MTH 4424	Real Analysis I	3 hours
MTH 4441	Abstract Algebra I	3 hours

### 2. Option I Courses (15 hours)

Ta	Take MTH 4425 or MTH 4442		
Take 12 additional hours of mathematics courses at the 3000 level or above (excluding MTH 4481).		12 hours	
3.	<b>Option II Courses (15 hours)</b>		
	Take MTH 4451 and MTH 4452	6 hours	
	Take 9 additional hours of mathematics courses		
	At the 3000 level or above (excluding MTH 4481)	9 hours	
4.	Select one 18 hour minor	18 hours	
5	Ence Electives (17 Hours)		

5. Free Electives (17 Hours)

Select seventeen hours of free electives

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17 hours