

**MY DEGREE MAP
TROY UNIVERSITY**

**College of Arts and Sciences Approved Academic Plan
Mathematics Major Program Year 2013 2014**

1 st Semester/Term 1 2	Hours	2 nd Semester/Term 3 4	Hours	3 rd 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 previous 2 semesters/ 4 terms or courses such as prerequisite courses or courses to be retaken	
ENG 1101/03 Comp/Mod English I#	3	BIO 1100 Principles of Bio and Lab	4		
MTH 1125 Calculus I#	4	AREA IV, Group 2 elective**	3		
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	TOTAL	16		
3 rd Semester/Term 1 2	Hours	4 th Semester/Term 3 4	Hours	3 rd 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 previous 2 semesters/ 4 terms or courses such as prerequisite courses or courses to be retaken	
AREA III, Continued, science elective	4	COM 2241 Fundamentals of Speech	3		
History Course from AREA IV	3	MTH 2220 Computer Prog/Math	3		
MTH 2227 Calculus III	4	Course to apply in minor	3		
Free electives	2	Free electives	3		
TOTAL	16	TOTAL	15		
5 th Semester/Term 1 2	Hours	6 th Semester/Term 3 4	Hours	3 rd Semester/T5	Hours
Required Mathematics course	3	Required Mathematics course	3	Select courses that have not been completed from the previous 2 semesters/ 4 terms or courses such as prerequisite courses or courses to be retaken	
Required Mathematics course	3	Required Mathematics course	3		
Course to apply in minor	3	Course to apply in minor	3		
Course to apply in minor	3	Free electives	3		
Free electives	3	Free electives	3		
TOTAL	15	TOTAL	15		
7 th Semester/Term 1 2	Hours	8 th Semester/Term 3 4	Hours	3 rd Semester/T5	Hours

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: 3 hours
*ENG 2205, *ENG 2206, ENG 2211, ENG 2212,
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

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)

Take MTH 4425 or MTH 4442 3 hours

Take 12 additional hours of mathematics courses at the 3000 level or above (excluding MTH 4481). 12 hours

3. Option II Courses (15 hours)

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. Free Electives (17 Hours)

Select seventeen hours of free electives

17 hours