MY DEGREE MAP

TROY UNIVERSITY

College of Arts and Sciences Approved Academic Plan

Mathematics Major - Program Year 2013-2014

1st Semester/Term 1-2	Hours	2nd Semester/Term 3-4	Hours	3rd 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		
3rd Semester/Term 1-2	Hours	4th Semester/Term 3-4	Hours	3rd 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		
5th Semester/Term 1-2	Hours	6th Semester/Term 3-4	Hours	3rd 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		
7th Semester/Term 1-2	Hours	8th Semester/Term 3-4	Hours	3rd 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		
Required Mathematics course	3	Required Mathematics course	3		
Course to apply in minor	3	Course to apply in minor	3		
Free electives	3				
TOTAL	15	TOTAL	12		
Minimum number of hours required for this major:				TOTAL 120 Hours	

*Indicates an international scope class (6 hours required)

**A sequence is required in either literature or history. Make selections from AREA II and IV accordingly.

# Indicates courses which require approved placement scores

Courses in **BOLD** require a grade of C or above.

A **minimum** of 120 hours is required for all baccalaureate degree programs.

At least 50% of required coursework must be earned at a senior institution.

At least 25% of the credit hours required for the degree must be completed In residency with Troy University.

At least 12 semester hours of residency must be completed in each major field(s) of study.

A minimum GPA of 2.0 overall and in the major is required to graduate.

NOTE: Please consult the College of Arts and Sciences or current catalog for other requirements not covered in this document.

Approved by the AEC 01/14

General Studies: Mathematics Majors (47 Hours)

Complete all 6 subrequirements

A: AREA I:

ENG-1101 Comp and Modern English I   **3 hours**
ENG-1102 Comp and Modern English II   **3 hours**

B. AREA II:

Group 1: Take COM 2241 Fundamentals of Speech   3 hours
Group 2: Select two courses from ART 1133, MUS 1131
             or DRA 2200   4 hours

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**

Area III: CONTINUED Select one course with corresponding
        lab: CHM 1142/L142, PHY 2252/L252,
        SCI 2233/L233, SCI 2234/L234   3/1 hours

D. AREA IV:

Group 1: Take three hours from the following: HIS 1101,   3 hours
        HIS 1102, HIS 1111, HIS 1112, HIS 1122
         or HIS 1123
Group 2: Take nine semester hours from the following: 9 hours
         *ANT 2200, *ECO 2251, *ECO 2252, *GEO 2210,
        HIS 1101, HIS 1102, HIS 1111, HIS 1112, HIS 1122,
        HIS 1123, IDS 2200, *POL 2260, POL 2241,
        PSY 2200, PSY 2210 or SOC 2275

E. AREA V:

Group 1: Take MTH 2220 Computer Programming for Math   3 hours
Group 2: Take TROY 1101 University Orientation   1 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