

**My Degree Map**  
**TROY UNIVERSITY**

**College of Education Recommended Academic Plan**  
**Mathematics Education - Program Year 2013-2014**

1 <sup>st</sup> Semester		Hours	2 <sup>nd</sup> Semester		Hours
Troy 1101 University Orientation		1	<b>ENG 1102/04 Comp/Mod English II</b>		3
<b>ENG 1101/03 Comp/Mod English I#</b>		3	BIO 1100 Principles of Bio and Lab		4
<b>MTH 1125 Calculus I#</b>		4	AREA IV, Group 2 course option**		3
AREA II, Group 4 course option**		3	ART 1133* or MUS 1131 or DRA 2200		2
ART 1133* or MUS 1131* or DRA 2200		2	MTH 1126 Calculus II		4
AREA IV, Group 2 course option**		3			
TOTAL		16	TOTAL		16
3 <sup>rd</sup> Semester		Hours	4 <sup>th</sup> Semester		Hours
AREA II, Group 3 literature course option		3	AREA IV, Group 2 course option**		3
AREA III, Continued science course option		4	COM 2241 Fundamentals of Speech		3
History Course from AREA IV		3	Required Mathematics course		3
MTH 2227 Calculus III		4	PSY 3303 Educational Psychology		3
MTH 2220 Computer Prog/Math		3	EDU 3305 Microcomputers in Education		3
			EDU 3310 Professional Educator		
TOTAL		17	TOTAL		18
5 <sup>th</sup> Semester		Hours	6 <sup>th</sup> Semester		Hours
Required Mathematics course		3	Required Mathematics course		3
Required Mathematics course		3	Required Mathematics course		3
Required Mathematics course		3	Required Mathematics course		3
SED 4400 Classroom Management		3	SED 3346 Educational Assessment		3
SPE 3340 Diverse Learners		3	RED 4484 Language/ Literacy IV		3
TOTAL		15	TOTAL		15
7 <sup>th</sup> Semester		Hours	8 <sup>th</sup> Semester		Hours
Required Mathematics course		3	SED 4454 Internship Seminar for Second		3
Approved upper Math major elective		3	MTH 4474 Internship in Mathematics		9
Approved upper Math major elective		3			
MTH 4481 Methods/ Materials Sec Tchr		3			
EDU 4471 Curric/ Instructional Delivery		3			
TOTAL		15	TOTAL		12
<b>Minimum number of hours required for this degree</b>					<b>TOTAL 124 Hours</b>

\*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** 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 of study.

A minimum GPA of 2.75 overall and in each major is required to graduate.

**NOTE: Please consult the College of Education or current catalog for other requirements not covered in this document.**

## General Studies: Mathematics Education Majors (47 Hours)

Complete all 6 subrequirements

### A: AREA I:

<b>ENG-1101 Comp and Modern English I</b>	<b>3 hours</b>
<b>ENG-1102 Comp and Modern English II</b>	<b>3 hours</b>

### B. AREA II:

Group 1: Take COM 2241 Fundamentals of Speech	3 hours
Group 2: Take four semester hours from the following: *ART 1133, DRA 2200 or *MUS 1131	4 hours
Group 3: Take three semester hours from the following: *ENG 2205, *ENG 2206, ENG 2211, ENG 2212, ENG 2244, or ENG 2245	3 hours
Group 4: Take three semester hours from the following: *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	3 hours

### C. AREA III:

Group 1: Take BIO 1100/L 100 General Biology w/Lab	3/1 hours
Group 2: <b>Take MTH 1125 Calculus I</b>	<b>4 hours</b>
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, HIS 1102, HIS 1111, HIS 1112, *HIS 1122 or HIS *1123	3 hours
Group 2: Take nine semester hours from the following: *ANT 2200, *ECO 2251, *ECO 2252, *GEO 2210, HIS 1101, HIS 1102, HIS 1111, HIS 1112, HIS *1122, HIS *1123, IDS 2200, LDR 1100, *POL 2260, POL 2241, PSY 2200, PSY 2210 or SOC 2275	9 hours

### E. AREA V: Take the following courses:

TROY 1101 University Orientation	1 hour
MTH 2220 Computer Programming for Math	3 hours

**Mathematics Education Major - Program Year 2013-14 (38 hours)**

**1. Take the following Mathcourses:**

<b>MTH 1126</b>	<b>Calculus II</b>	<b>4 hours</b>
<b>MTH 2227</b>	<b>Calculus III</b>	<b>4 hours</b>
<b>MTH 3311</b>	<b>Differential Equations</b>	<b>3 hours</b>
<b>MTH 3318</b>	<b>Intro to Advanced Mathematics</b>	<b>3 hours</b>
<b>MTH 3331</b>	<b>Linear Algebra</b>	<b>3 hours</b>
<b>MTH 4424</b>	<b>Real Analysis</b>	<b>3 hours</b>
<b>MTH 4441</b>	<b>Abstract Algebra I</b>	<b>3 hours</b>
<b>MTH 4451</b>	<b>Mathematical Statistics I</b>	<b>3 hours</b>
<b>MTH 4452</b>	<b>Mathematical Statistics II</b>	<b>3 hours</b>
<b>MTH 3325</b>	<b>College Geometry</b>	<b>3 hours</b>

**2. Major Electives (6 hours)**

<b>Take 6 additional hours of mathematics courses at the 3000 level or above</b>	<b>6 hours</b>
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**Education Major – (39 hours)**

**Minimum grade of ‘C’ required in all course work in the majors.**

**Take the following courses:**

<b>EDU 3305</b>	<b>Microcomputers in Education</b>	<b>3 hours</b>
<b>EDU 3310</b>	<b>The Professional Educator</b>	<b>3 hours</b>
<b>EDU 4471</b>	<b>Curriculum &amp; Instruction Design</b>	<b>3 hours</b>
<b>PSY 3303</b>	<b>Educational Psychology</b>	<b>3 hours</b>
<b>RED 4484</b>	<b>Language &amp; Literacy Learning IV</b>	<b>3 hours</b>
<b>SED 3346</b>	<b>Educational Assessment</b>	<b>3 hours</b>
<b>SED 4400</b>	<b>Classroom Management</b>	<b>3 hours</b>
<b>SPE 3340</b>	<b>Diverse Learners</b>	<b>3 hours</b>
<b>MTH 4481</b>	<b>Methods and Materials</b>	<b>3 hours</b>
<b>SED 4454</b>	<b>Internship Seminar</b>	<b>3 hours</b>
<b>MTH 4474</b>	<b>Internship</b>	<b>9 hours</b>

**Every reasonable attempt to ensure accuracy has been made. Some courses (such as developmental or pre-requisite courses) are not reflected in this degree map. Completion of degree requirements is based on the specific catalog year for each student.**