

MY DEGREE MAP

COLLEGE OF EDUCATION APPROVED ACADEMIC PLAN

MATHEMATICS EDUCATION MAJOR-PROGRAM YEAR 2015-16

1 ST YEAR	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
	TROY 1101	1	ENG 1102/04	3	AREA II LIT COURSE	3	MTH 2227	4	AREA IV SS COURSE	3
	ENG 1101/03	3	MTH 1125	4	MTH 1126	4	AREA IV SS COURSE	3	AREA II HUM/FA COURSE	3
	AREA II FINE ARTS COURSE	3								
	TOTAL	7	TOTAL	7	TOTAL	7	TOTAL	7	TOTAL	6
	FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER	
	TROY 1101	1	AREA II FINE ARTS COURSE	3	ENG 1102/04	3	AREA II HUM/FA COURSE	3	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN	
	ENG 1101/03	3	AREA IV SS COURSE	3	MTH 2210	3	MTH 1126	4		
	MTH 1125	4	AREA IV SS COURSE	3	AREA IV SS COURSE	3				
2 ND YEAR	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
	AREA III SCI/LAB COURSE	3/1	MTH 3325	3	AREA II HUM/FA COURSE	3	MTH 4441	3	AREA IV HIS COURSE	3
	MTH 3318	3	AREA IV SS COURSE	3	MTH 3331	3	AREA III SCI/LAB COURSE	3/1	MTH 2220	3
					MTH 2210	3				
	TOTAL	7	TOTAL	6	TOTAL	9	TOTAL	7	TOTAL	6
	FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER	
	AREA II LIT COURSE	3	AREA III SCI/LAB COURSE	3/1	AREA IV HIS COURSE	3	MTH 3325	3	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN	
	MTH 3318	3	MTH 3331	3	AREA III SCI/LAB COURSE	3/1	MTH 4451	3		
	MTH 2227	4			MTH 2220	3				
3 RD YEAR	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
	APPROVED MAJ ELEC	3	MTH 4451	3	EDU 3305	3	MTH 4424	3	EDU 3303	3
	EDU 3310	3	EDU 4400	3	MTH 4452	3	RED 4401	3	SPE 3340	3
	ADMIT TO TEP	TOTAL	ADMIT TO TEP	TOTAL	TOTAL	6	TOTAL	6	TOTAL	6
	FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER	
	MTH 4452	3	EDU 4400	3	MTH 3311	3	RED 4401	3	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN	
	APPROVED MAJ ELEC	3	EDU 3305	3	AREA II HUM/FA COURSE	3	SPE 3340	3		
	EDU 3310	3			EDU 3303	3				
	ADMIT TO TEP									
			TOTAL 15				TOTAL 15			
4 TH YEAR	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
	MTH 3311	3	MTH 4481	3	SED 4454		SED 4454 (CONTINUED)	3		
	APPROVED MAJ ELEC	3	EDU 4471	3	MTH 4474		MTH 4474 (CONTINUED)	9		
	TOTAL	6	TOTAL	6	FILE YOUR INTENT TO GRADUATE					
							TOTAL	12		
	FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER	
	MTH 4424	3	EDU 4471	3	SED 4454	3			SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN	
	MTH 4441	3	MTH 4481	3	MTH 4474	9				
	APPROVED MAJ ELEC	3								
	FILE YOUR INTENT TO GRADUATE									
			TOTAL 15				TOTAL 12			

TOTAL PROGRAM 123



COLLEGE OF EDUCATION APPROVED ACADEMIC PLAN MATHEMATICS EDUCATION MAJOR-PROGRAM YEAR 2015-16

COMPLETE ALL REQUIREMENTS

(49 HOURS)

AREA I

(MINIMUM GRADE OF 'C' REQUIRED)

ENG 1101 COMP AND MODERN ENGLISH I
ENG 1102 COMP AND MODERN ENGLISH II

3 HOURS
3 HOURS

AREA II

TAKE ANY 1000-2000 LEVEL COURSE IN LITERATURE

3 HOURS

TAKE ANY 1000-2000 LEVEL COURSE WITH AN EXPANDED HISTORICAL
AND CULTURAL SCOPE IN FINE ARTS, INCLUDING THE DISCIPLINES OF
ART, MUSIC, THEATRE, FILM, OR OTHER FINE ARTS AREA.

3 HOURS

TAKE ANY TWO 1000-2000 LEVEL COURSES WITH AN EXPANDED
HISTORICAL AND CULTURAL SCOPE IN THE HUMANITIES/FINE ARTS
DISCIPLINES, INCLUDING ENGLISH, FOREIGN LANGUAGES, RELIGION,
PHILOSOPHY, CLASSICS, THEATRE, MUSIC, DANCE, COMMUNICATION,
SIGN LANGUAGE, INTERDISCIPLINARY STUDIES, OR OTHER HUMANITIES/
FINE ARTS AREAS.

6 HOURS

NOTE: A SEQUENCE IN LITERATURE OR HISTORY IS REQUIRED. WHEN SELECTING COURSEWORK
IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT.

AREA III

MTH 1125 CALCULUS I
(MINIMUM GRADE OF 'C' REQUIRED)

4 HOURS

TAKE ANY TWO 1000-2000 LEVEL SCIENCE CLASSES (CLASS
AND CORRESPONDING LAB BOTH REQUIRED) FROM THE FOLLOWING SCIENCE
DISCIPLINES: BIOLOGY, CHEMISTRY, PHYSICS, PHYSICAL SCIENCE, OR OTHER
SCIENCE AREAS. SELECT 2: BIO-1100/L100, BIO 1101/L101, BIO 2202/L202,
BIO 2229/L229, CHM 1115/L115, CHM 1142/L142, CHM 1143/L143, CHM 2242/L242,
PHY 2252/L252, PHY 2253/L253, PHY 2262/L262, PHY 2263/L263, SCI 2233/L233,
SCI 2234/L234.

8 HOURS

AREA IV

TAKE ANY 1000-2000 LEVEL COURSE WITH A PRIMARY FOCUS IN HISTORY.

3 HOURS

TAKE ANY THREE 1000-2000 LEVEL COURSES FROM THE FOLLOWING SOCIAL
SCIENCE DISCIPLINES: ANTHROPOLOGY, BUSINESS, CRIMINAL JUSTICE,
ECONOMICS, GEOGRAPHY, HISTORY, HUMAN SERVICES, LEADERSHIP,
INTERDISCIPLINARY STUDIES, NURSING, POLITICAL SCIENCE, PSYCHOLOGY,
RELIGION, SOCIAL WORK, SOCIOLOGY, OR OTHER SOCIAL SCIENCE AREAS.

9 HOURS

NOTE: A SEQUENCE IN LITERATURE OR HISTORY IS REQUIRED. WHEN SELECTING COURSEWORK
IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT.

AREA V

TAKE THE FOLLOWING COURSES:

MTH 2210 APPLIED STATISTICS
MTH 2220 COMPUTER PROGRAMMING FOR MATHEMATICS
TROY 1101 UNIVERSITY ORIENTATION

3 HOURS
3 HOURS
1 HOUR

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. 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 EDUCATION OR CURRENT CATALOG FOR OTHER REQUIREMENTS NOT COVERED IN THIS DOCUMENT. NOTES: A SEQUENCE IN LITERATURE OR HISTORY IS REQUIRED. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT. COURSEWORK MARKED WITH AN ASTERISK (*) ARE INTERNATIONAL COURSES. SIX HOURS OF INTERNATIONAL COURSEWORK IS REQUIRED. CONSIDER THIS REQUIREMENT WHEN SELECTING COURSEWORK IN AREAS II AND IV.



COLLEGE OF EDUCATION APPROVED ACADEMIC PLAN MATHEMATICS EDUCATION MAJOR-PROGRAM YEAR 2015-16

MATHEMATICS COURSES 2.75 GPA REQUIRED

38 HOURS)

TAKE THE FOLLOWING COURSES:
(MINIMUM GRADE OF 'C' REQUIRED)

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 3325	COLLEGE GEOMETRY	3 HOURS
MTH 4424	REAL ANALYSIS I	3 HOURS
MTH 4441	ABSTRACT ALGEBRA I	3 HOURS
MTH 4451	MATHEMATICAL STATISTICS I	3 HOURS
MTH 4452	MATHEMATICAL STATISTICS II	3 HOURS

SELECT 6 ADDITIONAL HOURS OF UPPER-LEVEL, ADVISOR-
APPROVED MATHEMATICS COURSES
(MINIMUM GRADE OF 'C' REQUIRED)

6 HOURS

PROFESSIONAL STUDIES

(36 HOURS)

TAKE THE FOLLOWING COURSES:
(MINIMUM GRADE OF 'C' REQUIRED)

EDU 3310	INTRODUCTION TO EDUCATION	3 HOURS
EDU 4400	CLASSROOM MANAGEMENT	3 HOURS
EDU 4471	CURRICULUM & INSTRUCTION DELIVERY	3 HOURS
EDU 3305	TEACHING WITH TECHNOLOGY	3 HOURS
EDU 3303	EDUCATIONAL PSYCHOLOGY& CLASSROOM ASSESSMENT	3 HOURS
SPE 3340	DIVERSE LEARNERS	3 HOURS
RED 4401	READING IN THE CONTENT AREAS	3 HOURS
MTH 4481	METHODS & MATERIALS	3 HOURS
SED 4454	INTERNSHIP SEMINAR	3 HOURS
MTH 4474	INTERNSHIP	9 HOURS

TOTAL REQUIRED HOURS

123 HOURS