

MY DEGREE MAP  
 COLLEGE OF EDUCATION APPROVED ACADEMIC PLAN  
 MATHEMATICS EDUCATION MAJOR-PROGRAM YEAR 2019-2020

\*THIS DOCUMENT IS PENDING STATE DEPARTMENT OF EDUCATION REVIEW

1 <sup>ST</sup> YEAR			
1 <sup>ST</sup> SEMESTER	HOURS	2 <sup>ND</sup> SEMESTER	HOURS
TROY 1101	1	ENG 1102/04	3
ENG 1101/03	3	AREA II HUM/FA COURSE	3
MTH 1125	4	AREA IV SS COURSE	3
AREA II FINE ARTS COURSE	3	STAT 2210	3
AREA IV SS COURSE	3	MTH 1126	4
AREA IV SS COURSE	3		
TOTAL	17	TOTAL	16
2 <sup>ND</sup> YEAR			
3 <sup>RD</sup> SEMESTER	HOURS	4 <sup>TH</sup> SEMESTER	HOURS
AREA II LIT COURSE	3	MTH 2220	3
MTH 3318	3	AREA III SCI/LAB COURSE	3/1
AREA III SCI/LAB COURSE	3/1	AREA IV HIS COURSE	3
MTH 2227	4	MTH 3325	3
MTH 3331	3	STAT 3350	3
TOTAL	17	TOTAL	16
3 <sup>RD</sup> YEAR			
5 <sup>TH</sup> SEMESTER	HOURS	6 <sup>TH</sup> SEMESTER	HOURS
STAT 4451	3	EDU 3303	3
EDU 4400	3	MTH 3311	3
EDU 3305	3	RED 4401	3
EDU 3310	3	SPE 3340	3
APPROVED MTH/STAT ELEC	3	AREA II HUM/FA COURSE	3
ADMIT TO TEP			
TOTAL	15	TOTAL	15
4 <sup>TH</sup> YEAR			
7 <sup>TH</sup> SEMESTER	HOURS	8 <sup>TH</sup> SEMESTER	HOURS
MTH 4424	3	MTH 4474	9
MTH 4441	3	SED 4454	3
EDU 4471	3		
MTH 4481	3		
APPROVED MTH/STAT ELEC	3		
SUBMIT GRADUATION APPLICATION			
TOTAL	15	TOTAL	12
		TOTAL PROGRAM	123

## COLLEGE OF EDUCATION APPROVED ACADEMIC PLAN MATHEMATICS EDUCATION MAJOR-PROGRAM YEAR 2019-2020

COMPLETE ALL REQUIREMENTS (49 HOURS)

### AREA I

TAKE THE FOLLOWING COURSES:

ENG 1101	COMP AND MODERN ENGLISH I	3 HOURS
ENG 1102	COMP AND MODERN ENGLISH II	3 HOURS

MINIMUM GRADE OF "C" REQ

### 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
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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	4 HOURS
MINIMUM GRADE OF "C" REQ		
TAKE ANY TWO 1000-2000 LEVEL SCIENCE CLASSES (CLASS AND CORRESPONDING LAB) FROM THE FOLLOWING SCIENCE DISCIPLINES: BIOLOGY, CHEMISTRY, PHYSICS, PHYSICAL SCIENCE, OR OTHER SCIENCE AREAS. SELECT 2: BIO 1100/L100, BIO 1101/L101, BIO 1120/L120, 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, SCI 2240/L240.		8 HOURS

### AREA IV

TAKE ANY 1000-2000 LEVEL COURSE WITH A PRIMARY FOCUS IN HISTORY.	3 HOURS
TAKE THREE 1000-2000 LEVEL COURSE 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

TROY 1101	UNIVERSITY ORIENTATION	1 HOUR
STAT 2210	INTRODUCTORY STATISTICS	3 HOURS
MTH 2220	COMPUTER PROGRAMMING FOR MATHEMATICS	3 HOURS



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MATHEMATICS EDUCATION MAJOR-PROGRAM YEAR 2019-2020**

**MATHEMATICS COURSES**  
**MINIMUM 2.75 OVERALL 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
STAT	3350	STATISTICAL METHODS AND COMPUTATIONS	3 HOURS
STAT	4451	MATHEMATICAL STATISTICS I	3 HOURS

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

**6 HOURS**

**PROFESSIONAL STUDIES**

**(36 HOURS)**

(MINIMUM GRADE OF 'C' REQUIRED)

EDU	3310	INTRODUCTION TO EDUCATION	3 HOURS
EDU	4400	CLASSROOM MANAGEMENT	3 HOURS
EDU	4471	CURRICULUM & INSTRUCTIONAL DELIVERY	3 HOURS
EDU	3305	TEACHING WITH TECHNOLOGY	3 HOURS
EDU	3303	EDUCATIONAL PSYCHOLOGY & ASSESSMENT	3 HOURS
SPE	3340	DIVERSE LEARNERS	3 HOURS
RED	4401	READING IN CONTENT AREAS	3 HOURS
MTH	4481	METHODS AND MATERIALS	3 HOURS
SED	4454	INTERNSHIP SEMINAR FOR SEC. ED. (MUST BE TAKEN WITH INTERNSHIP)	3 HOURS
MTH	4474	INTERNSHIP IN MATHEMATICS EDUCATION	9 HOURS