

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

*THIS DOCUMENT IS PENDING STATE DEPARTMENT OF EDUCATION REVIEW

<u> </u>	1 ST Y	EAR	
1 ST SEMESTER	HOURS	2 ND 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
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	2 ND Y	/EAR	
3 RD SEMESTER	HOURS	4 th 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
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TOTAL	17	TOTAL	16
THE PROPERTY OF THE PARTY OF TH	Markey of		
	3 RD Y	<u> </u>	
5 TH SEMESTER	HOURS	6 TH SEMESTER	HOURS
STAT 4451	2		3
	3	EDU 3303	
EDU 4400	3	MTH 3311	3
EDU 4400 EDU 3305	3	MTH 3311 RED 4401	3
EDU 4400 EDU 3305 EDU 3310	3 3 3	MTH 3311 RED 4401 SPE 3340	3 3 3
EDU 4400 EDU 3305 EDU 3310 APPROVED MTH/STAT ELEC	3	MTH 3311 RED 4401	3
EDU 4400 EDU 3305 EDU 3310 APPROVED MTH/STAT ELEC ADMIT TO TEP	3 3 3 3	MTH 3311 RED 4401 SPE 3340 AREA II HUM/FA COURSE	3 3 3 3
EDU 4400 EDU 3305 EDU 3310 APPROVED MTH/STAT ELEC	3 3 3	MTH 3311 RED 4401 SPE 3340	3 3 3
EDU 4400 EDU 3305 EDU 3310 APPROVED MTH/STAT ELEC ADMIT TO TEP	3 3 3 3	MTH 3311 RED 4401 SPE 3340 AREA II HUM/FA COURSE TOTAL	3 3 3 3
EDU 4400 EDU 3305 EDU 3310 APPROVED MTH/STAT ELEC ADMIT TO TEP TOTAL	3 3 3 3 15	MTH 3311 RED 4401 SPE 3340 AREA II HUM/FA COURSE TOTAL	3 3 3 3
EDU 4400 EDU 3305 EDU 3310 APPROVED MTH/STAT ELEC ADMIT TO TEP TOTAL 7 TH SEMESTER	3 3 3 3 15 4 TH Y	MTH 3311 RED 4401 SPE 3340 AREA II HUM/FA COURSE TOTAL EAR 8 TH SEMESTER	3 3 3 3 15
EDU 4400 EDU 3305 EDU 3310 APPROVED MTH/STAT ELEC ADMIT TO TEP TOTAL 7 TH SEMESTER MTH 4424	3 3 3 3 15 4 TH Y HOURS 3	MTH 3311 RED 4401 SPE 3340 AREA II HUM/FA COURSE TOTAL EAR 8 TH SEMESTER MTH 4474	3 3 3 3 15 HOURS 9
EDU 4400 EDU 3305 EDU 3310 APPROVED MTH/STAT ELEC ADMIT TO TEP TOTAL 7 TH SEMESTER MTH 4424 MTH 4441	3 3 3 3 15 4 TH Y HOURS 3 3	MTH 3311 RED 4401 SPE 3340 AREA II HUM/FA COURSE TOTAL EAR 8 TH SEMESTER	3 3 3 3 15
EDU 4400 EDU 3305 EDU 3310 APPROVED MTH/STAT ELEC ADMIT TO TEP TOTAL 7 TH SEMESTER MTH 4424 MTH 4441 EDU 4471	3 3 3 3 15 4 TH Y HOURS 3 3	MTH 3311 RED 4401 SPE 3340 AREA II HUM/FA COURSE TOTAL EAR 8 TH SEMESTER MTH 4474	3 3 3 3 15 HOURS 9
EDU 4400 EDU 3305 EDU 3310 APPROVED MTH/STAT ELEC ADMIT TO TEP TOTAL 7TH SEMESTER MTH 4424 MTH 4441 EDU 4471 MTH 4481	3 3 3 3 15 4 TH Y HOURS 3 3 3	MTH 3311 RED 4401 SPE 3340 AREA II HUM/FA COURSE TOTAL EAR 8 TH SEMESTER MTH 4474	3 3 3 3 15 HOURS 9
EDU 4400 EDU 3305 EDU 3310 APPROVED MTH/STAT ELEC ADMIT TO TEP TOTAL 7TH SEMESTER MTH 4424 MTH 4441 EDU 4471 MTH 4481 APPROVED MTH/STAT ELEC	3 3 3 3 15 4 TH Y HOURS 3 3	MTH 3311 RED 4401 SPE 3340 AREA II HUM/FA COURSE TOTAL EAR 8 TH SEMESTER MTH 4474	3 3 3 3 15 HOURS 9
EDU 4400 EDU 3305 EDU 3310 APPROVED MTH/STAT ELEC ADMIT TO TEP TOTAL 7TH SEMESTER MTH 4424 MTH 4441 EDU 4471 MTH 4481	3 3 3 3 15 4 TH Y HOURS 3 3 3	MTH 3311 RED 4401 SPE 3340 AREA II HUM/FA COURSE TOTAL EAR 8 TH SEMESTER MTH 4474	3 3 3 3 15 HOURS 9
EDU 4400 EDU 3305 EDU 3310 APPROVED MTH/STAT ELEC ADMIT TO TEP TOTAL 7TH SEMESTER MTH 4424 MTH 4441 EDU 4471 MTH 4481 APPROVED MTH/STAT ELEC SUBMIT GRADUATION	3 3 3 3 15 4 TH Y HOURS 3 3 3	MTH 3311 RED 4401 SPE 3340 AREA II HUM/FA COURSE TOTAL EAR 8 TH SEMESTER MTH 4474	3 3 3 3 15 HOURS



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COMPLETE ALL REQUIREMENTS

(49 HOURS)

AREA I

TAKE THE FOLLOWING COURSES:
ENG 1101 COMP AND MODERN ENGLISH I
ENG 1102 COMP AND MODERN ENGLISH II
MINIMUM GRADE OF "C" REQ

3 HOURS 3 HOURS

AREA II

TAKE ANY 1000 2000 LEVEL COURSE IN LITERATURE 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 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" 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.

4 HOURS 8 HOURS

8 HOURS

AREA IV

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

3 HOURS 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

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 STUDENTA MINIMUM OF 120 HOURS IS REQUIRED FOR ALL BACCALAREATE DEGREE PROGRAMS.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. PLEASE CONSIDER THIS REQUIREMENT. WHEN SELECTING COURSEWORK IN AREAS IT OR IV.



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	TICS COURS 2.75 OVERAI	ES Ll gpa required	(38 HOURS)
TAKET	HE FOLLOW	ING COURSES:	
		E OF 'C' REQUIRED)	
MTH		CALCULUS II	4 HOURS
	2227	CALCULUS III	4 HOURS
MTH	3311		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
		NAL HOURS OF UPPER-LEVEL, ADVISOR-	6 HOURS
		MATICS OR STATISTICS COURSES	
(MINII	MUM GRADE	E OF 'C' REQUIRED)	
PROFESSIO	NAL STUDII		(36 HOURS)
(MINI)	MUM GRADE	OF 'C' REQUIRED)	
EDU		INTRODUCTION TO EDUCATION	3 HOURS
	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