MY DEGREE MAP
COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN
MATHEMATICS MAJOR—OPTION 1 (GENERAL MATH)
PROGRAM YEAR 2023-24

TROY UNIVERSITY ™

1ST YEAR

TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
AREA II FINE ARTS COURSE	3	AREA IV SS COURSE	3	ENG 1102/04	3	MTH 2227	4	AREA IV HIS COURSE	3
ENG 1101/03	3	MTH 1125	4	MTH 1126	4	MTH 3318	3		
TROY 1101	1								
TOTAL	7	TOTAL	7	TOTAL	7	TOTAL	7	TOTAL	3

2ND YEAR

TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
MTH 3311	3	APPROVED MTH/STAT ELEC	3	AREA IV SS COURSE	3	MTH 2220	3	FREE ELEC	3
AREA II HUM/FA COURSE	3	AREA II LIT COURSE	3	STAT 2210	3	AREA IV SS COURSE	3	AREA II HUM/FA COURSE	3
TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6

3RD YEAR

TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
MTH 3331	3	FREE ELEC	3	STAT 3350	3	STAT 4451	3	FREE ELEC	3
AREA III SCI/LAB COURSE	3/1	AREA III SCI/LAB COURSE	3/1	APPROVED MTH/STAT ELEC	3	MINOR COURSE	3	FREE ELEC	3
TOTAL	7	TOTAL	7	TOTAL	6	TOTAL	6	TOTAL	6

4TH YEAR

TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
APPROVED MTH/STAT ELE	3	MTH 4441	3	MTH 4424	3	MINOR COURSE	3		
FREE ELEC	3	MINOR COURSE	3	MINOR COURSE	3	MINOR COURSE	3		
MINOR COURSE	3								
				SUBMIT GRADUATION APPLICATION					
TOTAL	9	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	3

TOTAL PROGRAM 120

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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

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	THE UNIVERSITY EXPERIENCE	1 HOUR
STAT	2210	INTRODUCTORY STATISTICS	3 HOURS
MTH	2220	COMPUTER PROGRAMMING FOR MATHEMATICS	3 HOURS

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PROGRAM YEAR 2023-24

MATHEMATICS MAJOR: OPTION 1 (MATHEMATICAL STATISITCS SEQUENCE)   **(38 HOURS)**

MINIMUM 2.00 OVERALL GPA REQUIRED
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	4424	REAL ANALYSIS I	3 HOURS
MTH	4441	ABSTRACT ALGEBRA I	3 HOURS
STAT	3350	STATISTICAL METHODS AND COMPUTATIONS	3 HOURS

SELECT ONE OF THE FOLLOWING: 3 HOURS

MTH	4425	REAL ANALYSIS II	
MTH	4442	ABSTRACT ALGEBRA II	
STAT	4451	MATHEMATICAL STATISTICS I	

SELECT 9 ADDITIONAL HOURS OF UPPER-LEVEL MATHEMATICS OR STATISTICS COURSES   9 HOURS
EXCLUDING MTH 4481
(MINIMUM GRADE OF 'C' REQUIRED)

MINOR   **(18 HOURS)**

AT LEAST ONE 18 SEMESTER HOUR MINOR IS REQUIRED COMPLETE THIS   18 HOURS
DEGREE PROGRAM. ADDITIONAL MAJORS ARE ALSO ACCEPTABLE.

FREE ELECTIVES REQUIREMENT   **(15 HOURS)**

TAKE 15 SEMESTER HOURS OF FREE ELECTIVE CREDIT.   15 HOURS