



**MY DEGREE MAP**  
**COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN**  
**MATHEMATICS MAJOR, OPTION 1 (MATHEMATICAL STATISTICS SEQUENCE)**  
**PROGRAM YEAR 2017-18**

1 <sup>ST</sup> YEAR	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
		TROY 1101	1	MTH 1125	4	ENG 1102/04	3	AREA IV SS COURSE	3	
	ENG 1101/03	3	AREA IV SS COURSE	3	MTH 1126	4	MTH 2227	4		
	AREA II FINE ARTS COURSE	3								
	TOTAL 7		TOTAL 7		TOTAL 7		TOTAL 7			
	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 1126	4				
	MTH 1125	4			MTH 2210	3				
					AREA IV SS COURSE	3				
	TOTAL 14				TOTAL 16					
2 <sup>ND</sup> YEAR	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
	MTH 3318	3	APPROVED MTH ELECTIVE	3	REQUIRED MTH COURSE	3	REQUIRED MTH COURSE	3		
	AREA II HUM/FA COURSE	3	AREA II LIT COURSE	3	MTH 2210	3	MTH 2220	3		
			AREA IV HIS COURSE	3			AREA IV SS COURSE	3		
	TOTAL 6		TOTAL 9		TOTAL 6		TOTAL 9			
	FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER	
	AREA II LIT COURSE	3	MTH 2227	4	REQUIRED MTH COURSE	3	MINOR COURSE	3	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN	
	AREA IV HIS COURSE	3	MTH 3318	3	MTH 2220	3	FREE ELECTIVE	3		
			AREA II HUM/FA COURSE	3	MTH 4451	3				
	TOTAL 16				TOTAL 15					
3 <sup>RD</sup> YEAR	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
	REQUIRED MTH COURSE	3	MTH 4451	3	MTH 4452	3	AREA II HU/FA COURSE	3		
	AREA III SCI/LAB COURSE	3/1	AREA III SCI/LAB COURSE	3/1	FREE ELECTIVE	3	MINOR COURSE	3		
	APPROVED MTH ELECTIVE	3					FREE ELE3CTIVE	3		
	TOTAL 10		TOTAL 7		TOTAL 6		TOTAL 9			
	FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER	
	MTH 4452	3	MINOR COURSE	3	APPROVED MTH ELECTIVE	3	MINOR COURSE	3	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN	
	REQUIRED MTH COURSE	3	AREA III SCI/LAB COURSE	3/1	APPROVED MTH ELECTIVE	3	AREA III SCI/LAB COURSE	3/1		
					AREA IV SS COURSE	3				
	TOTAL 13				TOTAL 16					
4 <sup>TH</sup> YEAR	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
	APPROVED MTH ELECTIVE	3			MINOR COURSE	3	REQUIRED MTH COURSE	3		
	FREE ELECTIVE	3	MINOR COURSE	3	MINOR COURSE	3	MINOR COURSE	3		
	MINOR COURSE	3	FREE ELECTIVE	3	FREE ELECTIVE	3				
	TOTAL 9		TOTAL 6		TOTAL 9		TOTAL 6			
	FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER	
	REQUIRED MTH COURSE	3	MINOR COURSE	3	APPROVED MTH ELECTIVE	3	MINOR COURSE	3	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN	
	REQUIRED MTH COURSE	3	FREE ELECTIVE	3	MINOR COURSE	3	FREE ELECTIVE	3		
			FREE ELECTIVE	3			FREE ELECTIVE	3		
	TOTAL 15				TOTAL 15					
	FILE YOUR INTENT TO GRADUATE				FILE YOUR INTENT TO GRADUATE					
FREE ELECTIVES TOTAL PROGRAM 120										



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PROGRAM YEAR 2017-18

COMPLETE ALL REQUIREMENTS (49 HOURS)

AREA I

MINIMUM GRADE OF "C" REQUIRED

ENG 1101 COMP AND MODERN ENGLISH I 3 HOURS

ENG 1102 COMP AND MODERN ENGLISH II 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 4 HOURS  
MINIMUM GRADE OF "C" REQUIRED

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 INTRODUCTORY STATISTICS 3 HOURS

MTH 2220 COMPUTER PROGRAMMING FOR MATHEMATICS 3 HOURS

TROY 1101 UNIVERSITY ORIENTATION 1 HOUR



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

2.0 GPA REQUIRED

TAKE THE FOLLOWING COURSES:

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
MTH 4451	MATHEMATICAL STATISTICS I	3 HOURS
MTH 4452	MATHEMATICAL STATISTICS II	3 HOURS

TAKE 9 ADDITIONAL HOURS OF UPPER-LEVEL (3000 OR 4000) MATHEMATICS COURSES. (EXCLUDING MTH 4481) 9 HOURS

**MINOR (18 HOURS)**

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

**FREE ELECTIVES REQUIREMENT (15 HOURS)**

TAKE 15 SEMESTER HOURS OF FREE ELECTIVE CREDIT. 15 HOURS