

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

	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
<b>1</b> <sup>ST</sup>	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		4-4-170
	AREA II FINE ARTS COURSE	3								
	TOTAL 7		TOTAL 7		TOTAL 7		TOTAL 7			100
	FALL SEA		MESTER		SPRING		SEMESTER		SUMMER SEMESTER	
YEAR	TROY 1101	1	AREA II FINE ARTS	3	ENG 1102/04	3	AREA II HUM/FA COURSE	3	SELECT COURSES THAT HAVE I	
	ENG 1101/03	3	COURSE  AREA IV SS COURSE	3	MTH 1126	4			COMPLETED FROM PREVIOUS SEMESTERS AS PREREQUISITE (	
	MTH 1125	4	AREA IV 33 COURSE	3	MTH 1120 MTH 2210	3			OR COURSES TO BE RETAKEN	
	W111 1123	4			AREA IV SS COURSE	3			The second second second	
			TOTAL 14		ALLATY SO COULT   3		TOTAL 16			
	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		
$2^{ND}$		AL 6	TOTAL 9		TOTAL 6		TOTAL 9			
YEAR	FALL SEA		MESTER		SPRING		SEMESTER		SUMMER SEMESTER	
	AREA II LIT COURSE	3	MTH 2227	4	REQUIRED MTH	3	MINOR COURSE	3	SELECT COURSES THAT HAVE N	
	AREA IV HIS COURSE	3	MTH 3318	3	COURSE MTH 2220	3	FREE ELECTIVE	3	SEMESTERS AS PREREQUISITE O	
	AREA IV HIS COURSE	3	AREA II HUM/FA COURSE	3	MTH 2220 MTH 4451	3	FREE ELECTIVE	3	OR COURSES TO BE RETAKEN	
	Name of the last o		TOTAL 16		M111 4401   3		TOTAL 15			
	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
	REQUIRED MTH	3	MTH 4451	3	MTH 4452	3	AREA II HU/FA COURSE	3	1 ERRY 5	
	COURSE	3	W(111 4451	3	W1111 4432	3	AREA II IIO/IA COORSE	3		DENER L
	AREA III SCI/LAB COURSE	3/1	AREA III SCI/LAB COURSE	3/1	FREE ELECTIVE	3	MINOR COURSE	3		4.0
	APPROVED MTH ELECTIVE	3					FREE ELE3CTIVE	3		
$3^{RD}$	TOTAL 10		TOTAL 7		TOTAL 6		TOTAL 9			
YEAR	FALL SEA		MESTER		SPRING		SEMESTER		SUMMER SEMESTER	
	MTH 4452	3	MINOR COURSE	3	APPROVED MTH ELECTIVE	3	MINOR COURSE	3	SELECT COURSES THAT HAVE N COMPLETED FROM PREVIOUS	TERMS OR
	REQUIRED MTH COURSE	3	AREA III SCI/LAB COURSE	3/1	APPROVED MTH ELECTIVE	3	AREA III SCI/LAB COURSE	3/1	SEMESTERS AS PREREQUISITE OF COURSES TO BE RETAKEN	COURSES
	OF THE PARTY				AREA IV SS COURSE	3			OR COORSES TO BE RETAREN	100
			TOTAL 13				TOTAL 16			
	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
	APPROVED MTH ELECTIVE	3	String to the		MINOR COURSE	3	REQUIRED MTH COURSE	3	Comments of	(HERSEL)
	FREE ELECTIVE	3	MINOR COURSE	3	MINOR COURSE	3	MINOR COURSE	3		
	MINOR COURSE	3	FREE ELECTIVE	3	FREE ELECTIVE	3			A STATE OF THE PARTY OF THE	
4 <sup>TH</sup>	TOT	AL 9	TOTA	AL 6	TOTA		TOTA	AL 6		
_	EAI	AECTED		FILE YOUR INTENT TO GRADUATE SPRING SEMESTER			SUMMER SEMEST	CED		
YEAR	FALL SEA REQUIRED MTH COURSE 3		MINOR COURSE 3		APPROVED MTH ELECTIVE 3		MINOR COURSE 3		SELECT COURSES THAT HAVE N	
	REQUIRED MTH COURSE	3	FREE ELECTIVE	3	MINOR COURSE	3	FREE ELECTIVE	3	COMPLETED FROM PREVIOUS	
	AL CONCE	3	FREE ELECTIVE	3	MINORCOOKSE	3	FREE ELECTIVE	3	SEMESTERS AS PREREQUISITE O	COURSES
	FILE YOUR INTEN		T TO GRADUATE					111	OR COURSES TO BE RETAKEN	
	TOTAL			AL 15	TOTAL 15					
	Dell'all and the same	EE ELECTIVES TOTAL PROG	RAM 120							



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

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. NOTE: A SEQUENCE IN LITERATURE OR HISTORY IS REQUIRED. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT.	9 HOURS					
AREA V						
TAKE THE FOLLOWING COURSES:  MTH 2210 INTRODUCTORY STATISTICS  MTH 2220 COMPUTER PROGRAMMING FOR MATHEMATICS  TROY 1101 UNIVERSITY ORIENTATION	3 HOURS 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 BACCALAUREATE 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 ARTS AND SCIENCES 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.

1 HOUR

UNIVERSITY ORIENTATION

TROY 1101



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MATHEMATICS MAJOR: OPTION I (MATHEMATICAL STATISTICS SEQUENCE)						
2.0 GPA REQUIR	ED DWING COURSES:					
MTH 1126 MTH 2227 MTH 3311 MTH 3318	CALCULUS II CALCULUS III DIFFERENTIAL EQUATIONS INTRO TO ADVANCED MATHEMATICS	4 HOURS 4 HOURS 3 HOURS 3 HOURS				
MTH 3331 MTH 4424 MTH 4441 MTH 4451 MTH 4452	REAL ANALYSIS I ABSTRACT ALGEBRA I	3 HOURS 3 HOURS 3 HOURS 3 HOURS 3 HOURS				
TAKE 9 ADDITIONAL HOURS OF UPPER-LEVEL (3000 OR 4000) MATHEMATICS COURSES. (EXCLUDING MTH 4481)						
MINOR						
AT LEAST ONE 18 SEMESTER HOUR MINOR IS REQUIRED COMPLETE THIS DEGREE PROGRAM. ADDITIONAL MAJORS ARE ALSO ACCEPTABLE.						
FREE ELECTIVES REQUIREMENT						
TAKE 15 SEMESTER HOURS OF FREE ELECTIVE CREDIT.						