

1 ST 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
2 ND YEAR	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
	MTH 3311	3	APPROVED MTH/STAT ELEC	3	AREA IV SS COURSE	3	FREE ELEC	3	MTH 2220	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
3 RD YEAR	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
	MTH 3331	3	STAT 3350	3	FREE ELEC	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
4 TH YEAR	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
	APPROVED MTH/STAT ELEC	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 PROGRAM 123										



COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN MATHEMATICS MAJOR—OPTION 1(MATHEMATICAL STATISTICS SEQUENCE) PROGRAM YEAR 2020-21

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

3 HOURS

MINIMUM GRADE OF "C" REQ

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" REQ

TAKE ANY TWO 1000-2000 LEVEL SCIENCE CLASSES (CLASS

8 HOURS

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 1110/L110 SCI 2233/L233,

SCI 2234/L234, SCI 2240/L240.

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

9 HOURS

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.**

AREA V

TROY 1101 THE UNIVERSITY EXPERIENCE

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 STUDENT. A 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. PLEASE CONSIDER THIS REQUIREMENT. WHEN SELECTING COURSEWORK IN AREAS II OR IV.



COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN MATHEMATICS MAJOR—OPTION 1(MATHEMATICAL STATISTICS SEQUENCE) PROGRAM YEAR 2020-21

MATHEMATICS MAJOR: OPTION 1 (MATHEMATICAL STATISTICS 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
STAT 4451	MATHEMATICAL STATISTICS I	3 HOURS

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

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