TROY UNIVERSITY ™

MY DEGREE MAP
COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN
MATHEMATICS MAJOR—OPTION 1(MATHEMATICAL STATISTICS SEQUENCE)
PROGRAM YEAR 2019-2020

1ST YEAR			
1ST SEMESTER	**HOURS**	**2ND 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
TOTAL	14	**TOTAL**	16
2ND YEAR			
3RD SEMESTER	**HOURS**	**4TH SEMESTER**	**HOURS**
AREA II LIT COURSE	3	MTH 2220	3
MTH 3318	3	REQ MTH COURSE	3
MTH 2227	4	MINOR COURSE	3
AREA IV HIS COURSE	3	FREE ELEC	3
AREA II HUM/FA COURSE	3	STAT 3350	3
TOTAL	16	**TOTAL**	15
3RD YEAR			
5TH SEMESTER	**HOURS**	**6TH SEMESTER**	**HOURS**
STAT 4451	3	APPROVED MTH/STAT ELEC	3
AREA III SCI/LAB COURSE	3/1	APPROVED MTH/STAT ELEC	3
REQ MTH COURSE	3	AREA IV SS COURSE	3
MINOR COURSE	3	MINOR COURSE	3
		AREA III SCI/LAB COURSE	3/1
TOTAL	13	**TOTAL**	16
4TH YEAR			
7TH SEMESTER	**HOURS**	**8TH SEMESTER**	**HOURS**
MTH 4424	3	APPROVED MTH/STAT ELEC	3
MTH 4441	3	MINOR COURSE	3
MINOR COURSE	3	MINOR COURSE	3
FREE ELEC	3	FREE ELEC	3
FREE ELEC	3	FREE ELEC	3
SUBMIT GRADUATION APPLICATION			
TOTAL	15	**TOTAL**	15
		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   3 HOURS
AND CULTURAL SCOPE IN FINE ARTS, INCLUDING THE DISCIPLINES OF
ART, MUSIC, THEATRE, FILM, OR OTHER FINE ARTS AREA.

TAKE ANY TWO 1000 2000 LEVEL COURSES WITH AN EXPANDED   6 HOURS
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.

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

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MATHEMATICS MAJOR—OPTION 1(MATHEMATICAL STATISTICS SEQUENCE)
PROGRAM YEAR 2019-2020

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
STAT	4451	MATHEMATICAL STATISTICS I	3 HOURS

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