

# MY DEGREE MAP COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN MATHEMATICS MAJOR, OPTION 2 (REAL ANALYSIS SEQUENCE) PROGRAM YEAR 2017-18

	FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER	
1ST	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	
YEAR	ENG 1101/03	3	AREA IV SS COURSE	3	MTH 1126	4	AREA IV SS COURSE	3	TERMS OR SEMESTERS AS	
T La tix	MTH 1125	4		12 11	MTH 2210	3			PREREQUISITE COURSES OR COURSES	
						at sheet			IO BE RETAKEN	
	TOTAL 14				TOTAL 16					
	FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER	
2ND Year	AREA II LIT COURSE	3	MTH 2227	4	REQUIRED MTH Course	3	AREA II HUM/FA Course	3	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS	
	AREA IV HIS COURSE	3	MTH 3318	3	AREA III SCI/LAB Course	3/1	MINOR COURSE	3	TERMS OR SEMESTERS AS Prerequisite courses or courses	
		4.12	1.55.11.379.715	17.84	MTH 2220	3	114672		TO BE RETAKEN	
	TOTAL 13				TOTAL 16					
3RD	FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER	
YEAR	REQUIRED MTH Course	3	MINOR COURSE	3	APPROVED MTH ELECTIVE	3	MINOR COURSE	3	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS	
	REQUIRED MTH Elective	3	AREA III SCI/LAB Course	3/1	APPROVED MTH Elective	3	FREE ELECTIVE	3	TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES	
	APPROVED MTH Elective	3		1	AREA IV SS COURSE	3			TO BE RETAKEN	
	TOTAL 16				TOTAL 15			and the second state of th		
4TH Year	FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER	
	MTH 4424	3	MINOR COURSE	3	MTH 4425	3	MINOR COURSE	3	SELECT COURSES THAT HAVE NOT	
	APPROVED MTH Elective	3	FREE ELECTIVE	3	MINOR COURSE	3	FREE ELECTIVE	3	BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS	
			FREE ELECTIVE	3			FREE ELECTIVE	3	PREREQUISITE COURSES OR COURSES	
	FILE YOUR INTENT TO GRADUATE TOTAL 15						TO	TAL 15	TO BE RETAKEN	
			10.	TAL 15			10.		E ELECTIVES TOTAL PROGRAM 120	
	Proved States of States	TREE ELECTIVES TO TAL TROOMANT 120								



## COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN MATHEMATICS MAJOR, OPTION 2 (REAL ANALYSIS SEQUENCE) PROGRAM YEAR 2017-18

#### COMPLETE ALL REQUIREMENTS

AREA I

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(49 HOURS)

ENG 1102     COMP AND MODERN ENGLISH II     3 H       REA II     TAKE ANY 1000-2000 LEVEL COURSE IN LITERATURE     3 H       TAKE ANY 1000-2000 LEVEL COURSE WITH AN EXPANDED HISTORICAL AND CULTURAL SCOPE IN HIME ARTS, INCLUDING THE DISCIPLINES OF ART, MUSIC, THEATRE, FILM, OR OTHER THINE ARTS AREA.     3 H       TAKE ANY TWO 1000-2000 LEVEL COURSES WITH AN EXPANDED HISTORICAL AND CULTURAL SCOPE IN THE ARTS AREA.     6 H       TISTORICAL AND CULTURAL SCOPE IN THE HUMANTIES/FINE ARTS SIGN LANGUAGE, INTERDISCIPLINARY STUDIES, OR OTHER HUMANTIES/ FINE ARTS AREAS.     6 H       MISTORICAL AND CULTURAL SCOPE IN THE HUMANTIES/ FINE ARTS AREAS.     6 H       NOTE: A SEQUENCE IN LITERATURE OR HISTORY IS REQUIRED. WHEN SELECTING COURSEWORK IN AREAS II OR IN PLEASE CONSIDER THIS REQUIREMENT.     6 H       MITH 123 CALCIULS I AND CORRESPONDING LABE FORT REQUIRED. WHEN SELECTING COURSEWORK IN AREAS II OR IN PLEASE CONSIDER THIS REQUIREMENT.     8 H       MITH 125 CALCIULS I AND CORRESPONDING LABE FORT REQUIRED. WHEN SELECTING COURSEWORK IN AREAS II OR IN PLEASE CONSIDER THIS REQUIRED. WHEN SELECTING COURSEWORK IN AREAS II OR IN PLEASE CONSIDER THIS REQUIRED. WHEN SELECTING COURSEWORK IN AREAS II OR IN PLEASE CONSIDER THE SELECTING COURSEWORK IN AREAS II OR IN PLEASE CONSIDER THE SELECTING COURSEWORK IN AND CORRESPONDING LABE FORT REQUIRED. FROM THE FOLLOWING SCIENCE DISCIPLINES BIOLOGY, CHEMISTRY, PHYSICS, PHYSICAL SCIENCE, OR OTHER SCIENCE AREAS SELECT IS BOLLOWING IN INITIALIZATION IN USED IN INITIALIZATION IN INFORMATION IN INITIALIZATION IN INISING, COURSES FROM THE FOLLOWING SCIENCE SCIENCE AREAS SEL						
TAKE ANY 1000-2000 LEVEL COURSE IN LITERATURE       3 H         TAKE ANY 1000-2000 LEVEL COURSE WITH AN EXPANDED HISTORICAL AND CULTURAL SCOPE IN HIRE ARTS. INCLUDING THE DISCIPLINES OF ART. MUSIC, THEATRE, FILM, OR OTHER HINF ARTS AREA.       6 H         TAKE ANY TWO 1000-2000 LEVEL COURSES WITH AN EXPANDED PHOLSOPHY, CLASSICS, THEATRE, MUSIC, DANCE, COMMUNICATION, SIGN LANGUAGE, THEATRE, BILM, OR OTHER HINF ARTS AREA.       6 H         WISCIPLINES, INCLUDING ENGLISH, FOREIGN LANGUAGES, RELIGION, PHOLSOPHY, CLASSICS, THEATRE, MUSIC, DANCE, COMMUNICATION, SIGN LANGUAGE, THEATRE, BILM, OR OTHER HUMANITIES/ THEATS AREAS.       6 H         WISCIPLINES, BILCIDISCIPLINARY STUDIES, OR OTHER HUMANITIES/ THEATS AREAS.       6 H         NOTE: A SEQUENCE IN INTERATURE OR HISTORY IS REQUIRED. WHEN SELECTING COURSEWORK INTERATIONARY AND COURSES CONSIDER THIS REQUIRED. WHEN SELECTING COURSEWORK       6 H         MINIMUM GRADE OF 1° CREQUIRED       6 H       6 H         MINIMUM GRADE OF 1° CREQUIRED PHONG THE FOLLOWING SCIENCE AND CORRESPONDING IAB BOTH REQUIRED FROM THE FOLLOWING SCIENCE DISCIDENCE AREAS. SELECT 2: BILO HUM HAZILAZ, CHM HAZILAZ,		MINIMUM GRADE OF "C" REQUIRED ENG 1101 COMP AND MODERN ENGLISH I ENG 1102 COMP AND MODERN ENGLISH II	3 HOURS 3 HOURS			
AKE ANY 1000-2000 LEVEL COURSE WITH AN EXPANDED HISTORICAL AND CULTURAL SCOPE IN HINE ARTS. INCLUDING THE DISCIPLINES OF ART. MUSIC, THEATRE, FILM, OR OTHER HINE ARTS AREA.       6.H         AKE ANY TWO 1000-2000 LEVEL COURSES WITH AN EXPANDED HISTORICAL AND CULTURAL SCOPE IN THE HUMANTIES/FILME ARTS DISCIPLINES, INCLUDING ENGLISH, FOREIGN LANGUAGES, RELIGION, HISTORICAL AND CULTURAL SCOPE IN THE HUMANTIES/FILME ARTS DISCIPLINES, INCLUDING ENGLISH, FOREIGN LANGUAGES, RELIGION, HISTORICAL AND CULTURAL SCOPE IN THE HUMANTIES/FILME ARTS DISCIPLINES, INCLUDING ENGLISH, FOREIGN LANGUAGES, RELIGION, HISTORICAL AND CULTURAL SCOPE IN THE REQUIRED AND COURSEWORK DISCIPLINES, REQUIRED ENGLISH, FOREIGN LANGUAGES, RELIGION, HISTORICAL AND CULTURAL SCOPE IN THE HUMANTIES/ INCLUDING CULTURAL SCOPE IN THE HUMANTIES/ INTERDISCIPLINES, CHASTER CULTED       6.H         MTH 1132 CALCULUS I MITH AN EXPANDED       4.H         MTH 1132 CALCULUS I MITH AND EXPANDING DISCIPLINES       4.H         MADE CORRESPONDING LAB BOTH REQUIRED FROM THE FOLIOWING SCIENCE DISCIPLINES: BIOLOGY, CHEMISTRY, PHYSICS, PHYSICAL SCIENCE, OR OTHER SCIENCE AREAS, SIELCE 2: BIOL 100/LIO, BIO 101/LIO, BIO 2020/L202, BIO 2229/L202, CHM 1155/LIIS, CHM 1142/L142, CHM 1143/L143, CHM 2242/L242, BIO 2229/L202, CHM 1155/LIIS, CHM 1142/L142, CHM 1143/L143, CHM 2242/L242, BIO 2229/L202, CHM 1155/LIIS, CHM 1142/L142, CHM 1143/L143, CHM 2242/L242, BIO 2229/L203, CHM 1155/LIIS, CHM 1142/L142, CHM 1143/L143, CHM 2242/L242, BIO 2229/L203, CHM 1155/LIIS, CHM 1142/L142, CHM 1143/L143, CHM 2242/L242, BIO 229/L203, CHM 1155/LIIS, CHM 1145/L143, CHM 2242/L242, BIO 229/L203, CHM 1155/LIIS, CHM 1143/L143, CHM 2240/L242, BIO 229/L203, CHM 1155/LIIS, CHM 1142/L142, CHM 1143/L143, CHM 2240/L242, BIO 229/L203, CH	RE	AII				
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 HISTORICAL AND CULTURAL SCOPE IN THE HUMANITIES/FINE ARTS DISCIPLINES, INCLUDING ENGLISH, FOREIGN LANGUAGES, RELIGION, SIGN LANGUAGE, INTERDISCIPLINARY STUDIES, OR OTHER HUMANITIES/ FINE ARTS AREA. NOTE: A SEQUENCE IN LITERATURE OR HISTORY IS REQUIRED. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT. REA III 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, SIECT 2: BIO: 1000/LIOB BIO 1010/LIOB. BIO 22023/L202. BIO 2229/L229, CHM 1115/L115, CHM 1142/L142, CHM 1143/L143, CHM 2242/L24. PHY 2253/L253, PHY 2262/L262, PHY 2263/L263, SCI 2233/L233, SCI 2234/L234. REA IV TAKE ANY THREF 1000-2000 LEVEL COURSES FROM THE FOLLOWING SOCIAL SCIENCE DISCIPLINES: ANTHROPOLOGY, RUSINESS, CRIMINAL JUSTICE, SCIENCE DISCIPLINES, ANTHROPOLOGY, RUSINESS, CRIMINAL JUSTICE, SCIENCE DISCIPLINES, NOTHEN, SUTH AN PRIMARY FOCUS IN HISTORY. AKE ANY THREF 1000-2000 LEVEL COURSES FROM THE FOLLOWING SOCIAL SCIENCE DISCIPLINES, NOTHEN, SUTH AN PRIMARY FOCUS IN HISTORY. AKE ANY HREFE 1000-2000 LEVEL COURSES FROM THE FOLLOWING SOCIAL SCIENCE DISCIPLINES, NOTHING NOR, POLITICAL SCIENCE, AREAS, NOTE: A SEQUENCE IN LITERATURE OR HUSTORY, SCIENCE AREAS, NOTE: A SEQUENCE IN LITERATURE OR THISTORY IN HISTORY, SCIENCE AREAS, NOTE: A SEQUENCE IN LITERATURE OR OTHEN SUCIAL SCIENCE AREAS, NOTE: A SEQUENCE IN LITERATURE OR HUSTORY IN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT. KEA V TAKE THE FOLLOWING COURSES: MIT 220 INTRODUCTORY STATISTICS 31H MIT 220 COMPUTER PROGRAMMING FOR MATHEMATICS 31H		TAKE ANY 1000-2000 LEVEL COURSE IN LITERATURE	3 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 REQUIRED. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIRED. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIRED. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIRED. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIRED. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIRED. THE SCIENCE DISCIPLINES: BIOLOGY, CHEMISTRY, PHYSICS, PHYSICAL SCIENCE, OR OTHER SCIENCE AREAS. SELECT 2: BIO-TION/LIOU, BIO 1101/LIOI, BIO 2202/L202, BIO 2229/L229, CHEMISTRY, PHYSICS, PHYSICAL SCIENCE, OR OTHER SCIENCE AREAS. SELECT 2: BIO-TION/LIOU, BIO 1101/LIOI, BIO 2202/L202, BIO 2229/L229, CHEMISTRY, PHYSICS, PHYSICAL SCIENCE, OR OTHER SCIENCE AREAS. SELECT 2: BIO-TION/LIOU, BIO 1101/LIOI, BIO 2202/L202, BIO 2229/L229, CHEMISTRY, PHYSICS, PHYSICAL SCIENCE, OR OTHER SCIENCE AREAS. SALECT 2: BIO-TION/LIOU, BIO 1101/LIOI, BIO 2202/L202, BIO 2229/L229, CHEMISTRY, PHYSICS, PHYSICAS, SCI 2233/L233, SCI 2234/L234. CREA IV TAKE ANY 1000-2000 LEVEL COURSE WITH A PRIMARY FOCUS IN HISTORY. 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 REQUIRED. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIRED. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE C		AND CULTURAL SCOPE IN FINE ARTS, INCLUDING THE DISCIPLINES OF				
MTH 1125 CALCULUS 1 MINIMUM GRADE OF 'C' REQUIRED4 HMINIMUM GRADE OF 'C' REQUIREDA BTAKE 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/LI00, BIO 1101/LI01, BIO 2202/L202. PHY 2253/L253, PHY 2263/L262, PHY 2263/L263, SCI 2233/L233. SCI 2234/L234.8 HVECA IVTAKE ANY 1000-2000 LEVEL COURSE WITH A PRIMARY FOCUS IN HISTORY.3 HTAKE ANY 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. NOTER ASED UNCE IN THE FOLLOWING SOCIAL SCIENCE AREAS. NOTER ASED UNCE IN THE RATURE OR HISTORY IS REQUIRED. WHEN SELECTING COURSEWORK INTERDISCIPLINARY STUDIES, NURSING, POLITICAL SCIENCE, AREAS. NOTE A SEQUENCE IN INTERATURE OR HISTORY IS REQUIRED. WHEN SELECTING COURSEWORK INTERDISCIPLINARY STUDIES, NURSING, POLITICAL SCIENCE AREAS. NOTE A SEQUENCE IN INTERATURE OR HISTORY IS REQUIRED. WHEN SELECTING COURSEWORK INTERDISCIPLINARY STUDIES, NURSING, POLITICAL SCIENCE AREAS. NOTE A SEQUENCE IN INTERATURE OR HISTORY IS REQUIRED. WHEN SELECTING COURSEWORK INTERDISCIPLINES INTERST3 HTKE THE FOLLOWING COURSES: MIT 2220INTRODUCTORY STATISTICS INTRODUCTORY STATIST		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	6 HOURS			
MINIMUM GRADE OF "C" REQUIRED MINIMUM GRADE OF "C" REQUIRED AKE 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. WREA IV TAKE ANY 1000-2000 LEVEL COURSE WITH A PRIMARY FOCUS IN HISTORY. AKE 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. KREA V TAKE THE FOLLOWING COURSES: MTH 2210 INTRODUCTORY STATISTICS MTH 2220 COMPUTER PROGRAMMING FOR MATHEMATICS	RE	AIII				
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. <b>REEA IV</b> TAKE ANY 1000-2000 LEVEL COURSE WITH A PRIMARY FOCUS IN HISTORY. 3 H 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. <b>REEA V</b> TAKE THE FOLLOWING COURSES: MTH 2210 INTRODUCTORY STATISTICS 3 H MTH 2220 COMPUTER PROGRAMMING FOR MATHEMATICS 3 H			4 HOURS			
TAKE ANY 1000-2000 LEVEL COURSE WITH A PRIMARY FOCUS IN HISTORY.3 HTAKE 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.3 HTAKE THE FOLLOWING COURSES: MTH 2210 INTRODUCTORY STATISTICS MTH 2220 COMPUTER PROGRAMMING FOR MATHEMATICS3 H		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,	8 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 HNREA VTAKE THE FOLLOWING COURSES: MTH 22109 HMTH 2210INTRODUCTORY STATISTICS COMPUTER PROGRAMMING FOR MATHEMATICS9 H	RE	A IV				
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 TAKE THE FOLLOWING COURSES: MTH 2210 INTRODUCTORY STATISTICS 3 H MTH 2220 COMPUTER PROGRAMMING FOR MATHEMATICS 3 H		TAKE ANY 1000-2000 LEVEL COURSE WITH A PRIMARY FOCUS IN HISTORY.	3 HOURS			
TAKE THE FOLLOWING COURSES:MTH 2210INTRODUCTORY STATISTICS3 HMTH 2220COMPUTER PROGRAMMING FOR MATHEMATICS3 H		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	9 HOURS			
MTH2210INTRODUCTORY STATISTICS3 HMTH2220COMPUTER PROGRAMMING FOR MATHEMATICS3 H	RE	AV				
		MTH2210INTRODUCTORY STATISTICSMTH2220COMPUTER PROGRAMMING FOR MATHEMATICS	3 HOURS 3 HOURS 1 HOUR			

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. COMPLE-TION 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.



2.0 GPA REQUIRED

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### COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN MATHEMATICS MAJOR, OPTION 2 (REAL ANALYSIS SEQUENCE) PROGRAM YEAR 2017-18

### MATHEMATICS MAJOR: OPTION II (REAL ANALYSIS SEQUENCE)

(38 HOURS)

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 4441	ABSTRACT ALGEBRA I	3 HOURS					
	MTH 4424	REAL ANALYSIS I	3 HOURS					
	MTH 4425	REAL ANALYSIS II	3 HOURS					
TAKE 12 ADDITIONAL HOURS OF UPPER-LEVEL (3000 OR 4000) MATHEMATICS								
COURSES. (EXCLUDING MTH 4481)								
NINOR								
AT LEAST ONE 18 SEMESTER HOUR MINOR IS REQUIRED COMPLETE THIS								
DEGREE PROGRAM. ADDITIONAL MAJORS ARE ALSO ACCEPTABLE.								
REE ELECTIVES REQUIREMENT (15								
REE ELECTIVES REQUIREMENT								
	TAKE 15 SEMEST	FER HOURS OF FREE ELECTIVE CREDIT.	15 HOURS					

MY DEGREE MAP SERVES AS A GUIDE TO ASSIST YOU WITH THE PROPER SEQUENCE AND SELECTION OF COURSES. IT DOES NOT REPLACE YOUR PROGRAM EVALUATION (AVAILABLE THROUGH TROJAN WEE EXPRESS), WHICH DEPICTS THE OFFICIAL DOCUMENT USED TO CLEAR STUDENTS FOR GRADUATION. MY DEGREE MAP INCLUDES THE REQUIRED COURSE WORK AND SUGGESTED SEQUENCE OF COURSES FOR A PARTICULAR DEGREE PROGRAM. EVERY REASONABLE ATTEMPT HAS BEEN MADE TO ENSURE ACCURACY OF CONTENT. PLEASE KEEP IN MIND THAT SOME COURSES. SUCH AS DEVELOPMENTAL OR PRE-REQUISITE COURSES, ARE NOT REFLECTED IN MY DEGREE MAP. COMPLETION OF DEGREE REQUIREMENTS IS BASED ON THE SPECIFIC CATALOG YEAR UNDER WHICH YOU WERE ADMITTED TO TROY. PLEASE CONSULT THE COLLEGE CATALOG, YOUR ACADEMIC ADVISOR, YOUR SPECIFIC SCHOOL, DEPARTMENT, OR YOUR PROGRAM EVALUATION FOR ANY ADDITIONAL REQUIREMENTS.