

MY DEGREE MAP COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN MATHEMATICS MAJOR – PROGRAM YEAR 2014-2015

	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
	1ST YEAR	ENG 1101/03	3	AREA II, GRP 4 COURSE	3	ENG 1102/04	3	MTH 1126	4	TROY 1101
MTH 1125		4	AREA IV, GRP 2 COURSE	3	BIO 1100/LAB	3/1	AREA IV, GRP COURSE	3	SELECT TWO: ART 1133, MUS 1131, DRA 2200	2/2
TOTAL		7	TOTAL	6	TOTAL	7	TOTAL	7	TOTAL	5
FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER		
TROY 1101		1	ART 1133 OR MUS 1131 OR DRA 2200	2	ENG 1102/04	3	ART 1133 OR MUS 1131 OR DRA 2200	2	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN	
ENG 1101/03		3			BIO 1100/LAB	3/1				
MTH 1125		4	AREA IV, GRP 2 COURSE	3	AREA IV, GRP 2 COURSE	3				
AREA II, GRP 4 COURSE	3			MTH 1126	4					
TOTAL 16				TOTAL 16						
2ND YEAR	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
	AREA II, GRP 3 LIT COURSE	3	AREA IV, HIS COURSE	3	COM 2241	3	AREA IV, GRP 2 COURSE	3	FREE ELECTIVES	2
	AREA III CONT, SCI/LAB	3/1	MTH 2227	4	MTH 2220	3	MINOR COURSE	3	FREE ELECTIVES	3
	TOTAL	7	TOTAL	7	TOTAL	6	TOTAL	6	TOTAL	5
	FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER	
	AREA II, GRP 3 LIT COURSE	3	MTH 2227	4	AREA IV, GRP 2 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 III CONT, SCI/LAB	3/1	FREE ELECTIVES	2	COM 2241	3	FREE ELECTIVES	3		
AREA IV, HIS COURSE	3			MTH 2220	3					
TOTAL 16				TOTAL 15						
3RD YEAR	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
	REQ_MAJ COURSE	3	MINOR COURSE	3	REQ_MAJ COURSE	3	MINOR COURSE	3	FREE ELECTIVES	3
	REQ_MAJ COURSE	3	MINOR COURSE	3	REQ_MAJ COURSE	3	FREE ELECTIVES	3	FREE ELECTIVES	3
	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6
	FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER	
	REQ_MAJ COURSE	3	MINOR COURSE	3	REQ_MAJ COURSE	3	FREE ELECTIVES	3	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN	
	REQ_MAJ COURSE	3	FREE ELECTIVES	3	REQ_MAJ COURSE	3	FREE ELECTIVES	3		
MINOR COURSE	3			MINOR COURSE	3					
TOTAL 15				TOTAL 15						
4TH YEAR	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
	REQ_MAJ COURSE	3	REQ_MAJ COURSE	3	REQ_MAJ COURSE	3	REQ_MAJ COURSE	3	FREE ELECTIVES	3
	REQ_MAJ COURSE	3	MINOR COURSE	3	REQ_MAJ COURSE	3	MINOR COURSE	3		
	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	3
	FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER	
	REQ_MAJ COURSE	3	MINOR COURSE	3	REQ_MAJ 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	
	REQ_MAJ COURSE	3	FREE ELECTIVES	3	REQ_MAJ COURSE	3				
REQ_MAJ COURSE	3			REQ_MAJ COURSE	3					
TOTAL 15				TOTAL 12						
FILE YOUR INTENT TO GRADUATE BY FOR SPRING				FILE YOUR INTENT TO GRADUATE BY FOR SPRING						
TOTAL 15				TOTAL 12						

TOTAL PROGRAM 120

**COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN
MATHEMATICS MAJOR – PROGRAM YEAR 2014-2015**

COMPLETE ALL 6 SUB-REQUIREMENTS

A. 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

B. AREA II:

GROUP 1: TAKE COM 2241 FUNDAMENTALS OF SPEECH 3 HOURS

GROUP 2: SELECT TWO COURSES FROM ART 1133*, MUS 1131*
OR DRA 2200 4 HOURS

GROUP 3: TAKE THREE SEMESTER HOURS FROM THE FOLLOWING: 3 HOURS
ENG 2205*, ENG 2206*, ENG 2211, ENG 2212, ENG 2244, ENG 2245

GROUP 4: TAKE THREE SEMESTER HOURS FROM THE FOLLOWING: 3 HOURS
ASL 1141, CLA 2260*, ENG 2205*, ENG 2206*, ENG 2211, ENG 2212,
ENG 2244, ENG 2245, FRN 1101*, GER 1121*, GRK 1111*, IDS 2200,
LAT 1131*, PHI 2203, PHI 2204, ANT 2280* OR SPN 1141*

C. AREA III:

TAKE THE FOLLOWING COURSES:

BIO 1100/L100 GENERAL BIOLOGY W/LAB 3/1 HOURS
MTH 1125 CALCULUS I ("C" OR BETTER) 3 HOURS

AREA III CONTINUED:

SELECT ONE COURSE WITH CORRESPONDING LAB: 3/1 HOURS
CHM 1142/L142, PHY 2252/L252, SCI 2233/L233, SCI 2234/L234

D. AREA IV:

GROUP 1: TAKE THREE SEMESTER HOURS FROM THE FOLLOWING: 3 HOURS
HIS 1101, HIS 1102, HIS 1111, HIS 1112, HIS 1122* OR HIS 1123*

GROUP 2: TAKE NINE SEMESTER HOURS FROM THE FOLLOWING: 9 HOURS
ECO 2251*, ECO 2252*, GEO 2210*, HIS 1101, HIS 1102, HIS 1111,
HIS 1112, HIS 1122*, HIS 1123*, IDS 2200, LDR 1100, POL 2260*,
POL 2241, PSY 2200, PSY 2210

E. AREA V:

TAKE THE FOLLOWING COURSES:

MTH 2220 COMPUTER PROGRAMMING FOR MATHEMATICS 3 HOURS
TROY 1101 UNIVERSITY ORIENTATION 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. 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 50% OF REQUIRED COURSEWORK MUST BE EARNED AT A SENIOR INSTITUTION.

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 SCIENCE 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. COURSEWORK MARKED WITH AN ASTERISK (*) ARE INTERNATIONAL COURSES. SIX HOURS OF INTERNATIONAL COURSEWORK IS REQUIRED. CONSIDER THIS REQUIREMENT WHEN SELECTING COURSEWORK IN AREAS II AND IV.



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MATHEMATICS MAJOR

TAKE THE FOLLOWING COURSES:

2.0 GPA 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

COMPLETE OPTION I OR OPTION 2 BELOW:

OPTION I:

TAKE MTH 4425 OR MTH 4442 3 HOURS

TAKE 12 ADDITIONAL HOURS OF UPPER-LEVEL (3000 OR 4000) MATHEMATICS COURSES (EXCLUDING MTH 4481) 12 HOURS

OPTION II:

TAKE MTH 4451 AND MTH 4452 6 HOURS

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

MINOR: (18 HOURS)

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

FREE ELECTIVES: (17 HOURS)

TAKE 17 SEMESTER HOURS OF FREE ELECTIVE CREDIT