

## WERSITY MY DEGREE MAP COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN BIOLOGY MAJOR--PROGRAM YEAR 2019-2020

1 <sup>ST</sup> YEAR				
1 <sup>ST</sup> SEMESTER	HOURS	2 <sup>ND</sup> SEMESTER	HOURS	
TROY 1101	1	ENG 1102/04	3	
ENG 1101/03	3	BIO 1101/LAB	3/1	
MTH 1125	4	AREA II HUM/FA COURSE	3	
AREA IV HIS COURSE	3	AREA IV SS COURSE	3	
BIO 1100/LAB	3/1	IS 2241	3	
TOTAL	15	TOTAL	16	
	2 <sup>ND</sup> <b>Y</b>			
3 <sup>rd</sup> SEMESTER	HOURS	4 <sup>th</sup> SEMESTER	HOURS	
AREA II LIT COURSE	3	CHM 1143/LAB	3/1	
BIO 2220/LAB	3/1	AREA IV SS COURSE	3	
AREA II FINE ARTS COURSE	3	STAT 2210	3	
CHM 1142/LAB	3/1	MINOR COURSE	3	
MINOR COURSE	3			
TOTAL	17	TOTAL	13	
	3 <sup>RD</sup> Y			
5 <sup>th</sup> Semester	HOURS		HOURS	
BIO 2229/LAB	3/1	AREA V PHY/LAB SEQ	3/1	
CHM 3342/LAB	3/1	BIO 3320/LAB	3/1	
REQ BOTANY ELEC	3/1	CHM 3343/LAB	3/1	
AREA V PHY/LAB SEQ	3/1	REQ ZOOLOGY ELEC	3/1	
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TOTAL	16	TOTAL	16	
		YEAR		
7 <sup>th</sup> SEMESTER	HOURS	8 <sup>th</sup> Semester	HOURS	
REQ PHY/CELL/MOL/ELEC	3/1	BIO 4484	1	
REQ ECOL/ENV ELEC	3/1	AREA IV SS COURSE	3	
AREA II HUM/FA COURSE	3	APPROVED BIO/LAB ELEC	3/1	
MINOR COURSE	3	MINOR COURSE	3	
MINOR COURSE	3	MINOR COURSE	3	
SUBMIT GRADUATION  APPLICATION	624110			
TOTAL	17	TOTAL	14	
who the many the plant the property		TOTAL PROGRAM	124	



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COMPLETE ALL REQUIREMENTS	(62 HOURS)
AREA I	
TAKE THE FOLLOWING COURSES: ENG 1101 COMP AND MODERN ENGLISH I ENG 1102 COMP AND MODERN ENGLISH II MINIMUM GRADE OF "C" REQ	3 HOURS 3 HOURS
AREA II	
TAKE ANY 1000 2000 LEVEL COURSE IN LITERATURE 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 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 REQ. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT.	
AREA III	
MTH 1125 CALCULUS MINIMUM GRADE OF "C" REQ	4 HOURS
BIO 1100/L100 PRINCIPLES OF BIOLOGY W/ LAB CHM 1142/L142 GENERAL CHEMISTRY I W/ LAB	3/1 HOURS 3/1 HOURS
AREA IV	
TAKE ANY 1000-2000 LEVEL COURSE WITH A PRIMARY FOCUS IN HISTORY TAKE THREE 1000-2000 LEVEL COURSE 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.	3 HOURS 9 HOURS
NOTE: A SEQUENCE IN LITERATURE OR HISTORY IS REQ. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT.	
AREA V	
IS 2241 COMPUTER CONCEPTS AND APPLICATIONS TROY 1101 UNIVERSITY ORIENTATION BIO 1101/L101 ORGANISMAL BIOLOGY W/ LAB CHM 1143/L143 GENERAL CHEMISTRY II W/ LAB	3 HOURS 1 HOUR 3/1 HOURS 3/1 HOURS
AREA V CONTINUED:	
TAKE ONE PHYSICS SEQUENCE PHY 2252/L252 GENERAL PHYSICS I W/ LAB PHY 2253/L253 GENERAL PHYSICS II W/ LAB OR	8 HOURS
PHY 2262/L262 GENERAL PHYSICS I WITH CALCULUS W/ LAB PHY 2263/L263 GENERAL PHYSICS II WITH CALCULUS W/ LAB	

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 CONSULT THIS REGUIREMENT.



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BIOLOGY MAJOR	(44 HOURS)
TAKE THE FOLLOWING COURSES:  2.0 GPA REQUIRED  BIO 2220/L220 PRINCIPLES OF CELL BIOLOGY  BIO 2229/L229 GENERAL ECOLOGY/LAB  BIO 3320/L320 GENETICS/LAB  CHM 3342/L342 ORGANIC CHEMISTRY I/LAB  CHM 3343/L343 ORGANIC CHEMISTRY II/LAB  STAT 2210 INTRODUCTORY STATISTICS  BIO 4484 SENIOR SEMINAR IN BIOLOGICAL & ENVIRONMENTAL SCIENCES	3/1 HOURS 3/1 HOURS 3/1 HOURS 3/1 HOURS 3/1 HOURS 3 HOURS 1 HOUR
BOTANY	3/1 HOURS
TAKE ONE OF THE FOLLOWING BOTANY COURSES WITH ITS CORRESPONDING LAB. BIO 3325/L325 OR BIO 4425	
ZOOLOGY	3/1 HOURS
TAKE ONE OF THE FOLLOWING ZOOLOGY COURSES WITH ITS CORRESPONDING LAB. BIO 3307/L307, BIO 4405/L305, BIO 4420, BIO 4447/L447, BIO 4471/L471	
ECOLOGY/ENVIRONMENTAL ECOLOGY/ENVIRONMENTAL	3/1 HOURS
TAKE ONE OF THE FOLLOWING ECOLOGY/ENVIRONMENTAL COURSES WITH ITS CORRESPONDING LAB. BIO 4413/L413, BIO 4416/L416, BIO 4421/L421, OR BIO 4479/L479	
PHYSIOLOGY/CELL/MOLECULAR	3/1 HOURS
TAKE ONE OF THE FOLLOWING PHYSIOLOGY/CELL/MOLECULAR COURSES WITH ITS CORRESPONDING LAB. BIO 3347/L347, BIO 3348/L348, BIO 3372/L372, BIO 3382/L382, BIO 3386/L386, BIO 4414/L414, BIO 4451/L451, BIO 4480/L480, OR BIO 4482/L482	
MAJOR ELECTIVE	3/1 HOURS
SELECT ONE UPPER-LEVEL (3000-4000) ADVISOR-APPROVED BIOLOGY COURSE AND ITS CORRESPONDING LAB.	
MINOR	(18 HOURS)
AT LEAST ONE 18 SEMESTER HOUR MINOR IS REQUIRED TO COMPLETE THIS DEGREE PROGRAM. ADDITIONAL MAJORS ARE ACCEPTABLE.	

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 WEB 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.