

## COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN BIOMEDICAL SCIENCES PROGRAM—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> YEAR				
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	REQ MAJ ELEC	3	
TOTAL	14	TOTAL	13	
3 <sup>RD</sup> YEAR				
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 MAJ ELEC	3/1	CHM 3343/LAB	3/1	
AREA V PHY/LAB SEQ	3/1	REQ MAJ ELEC	3/1	
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TOTAL	16	TOTAL	16	
4 <sup>TH</sup> YEAR				
7 <sup>th</sup> SEMESTER	HOURS		HOURS	
REQ MAJ ELEC	3/1	BIO 4484	1	
REQ MAJ ELEC	3/1	AREA IV SS COURSE	3	
AREA II HUM/FA COURSE	3	REQ MAJ ELEC	3/1	
REQ MAJ ELEC	3	REQ MAJ ELEC	3	
FREE ELEC	2	REQ MAJ ELEC	3	
SUBMIT GRADUATION  APPLICATION				
TOTAL	16	TOTAL	14	
	A CHE IN	TOTAL PROGRAM	120	



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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	3 HOURS 3 HOURS		
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, 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. PLEASE CONSIDER THIS REQUIREMENT. WHEN SELECTING COURSEWORK IN AREAS II OR IV.



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## BIOMEDICAL SCIENCES PROGRAM 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 (56 HOURS) 3/1 HOURS 3/1 HOURS 3/1 HOURS

CHM 3343/L343 ORGANIC CHEMISTRY II/LAB 3/1 HOURS STAT 2210 INTRODUCTORY STATISTICS 3 HOURS BIO 4484 SENIOR SEMINAR IN BIOLOGICAL & ENVIRONMENTAL SCIENCES 1 HOUR

TAKE 30-32 ADDITIONAL SEMESTER HOURS IN APPROVED UPPER LEVEL BIOLOGY, BIOCHEMISTRY (CHM 3352), OR MARINE BIOLOGY COURSES THE 30-32 HOURS CHOSEN SHOULD BE BASED ON FUTURE PLANS FOR EMPLOYMENT, GRADUATE SCHOOL, OR PROFESSIONAL SCHOOL. (BIOCHEMISTRY COURSE(S) REQUIRE AN ACADEMIC EVALUATOR EXCEPTION.)

SPECIAL TOPICS IN BIOLOGY (BIO 4476), GUIDED INDEPENDENT STUDIES (BIO 4491/4492), AND GUIDED INDEPENDENT RESEARCH (BIO 4493/4494) MAY ONLY BE TAKEN FOR A MAXIMUM OF 6 SEMESTER HOURS.

FREE ELECTIVE REQUIRMENT

**MAJOR ELECTIVES** 

(2 HOURS)

32 HOURS

TAKE 2 SEMESTER HOURS OF FREE ELECTIVE CREDIT.

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 STUDIENTS 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 MINDT 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.