

## MY DEGREE MAP COLLEGE OF ARTS AND SCIENCES RECOMMENDED ACADEMIC PLAN BACHELOR OF SCIENCE IN BIOLOGY-PROGRAM YEAR 2018-19

	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
		ENG 1101/03	3	ENG 1102/04	3	BIO 1100/LAB	3/1	BIO 1101/LAB	3/1	
	MTH 1125	4	AREA IV HIS COURSE	3	IS 2241	3	AREA IV SS COURSE	3		
			TROY 1101	1						
	TOTAL	7	TOTAL	7	TOTAL	7	TOTAL	7		
1 <sup>ST</sup> YEAR	FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER	
	TROY 1101	1	BIO 1100/LAB	3/1	ENG 1102/04	3	AREA II HUM/FA COURSE	3	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN	
	ENG 1101/03	3	AREA IV SS COURSE	3	BIO 1101/LAB	3/1	IS 2241	3		
	MTH 1125	4								
	TOTAL 15				TOTAL 13					
TERM 1		TERM 2		TERM 3		TERM 4		TERM 5		
BIO 2220/LAB	3/1	AREA II FINE ARTS COURSE	3	CHM 1142/LAB	3/1	CHM 1143/LAB	3/1	MINOR COURSE	3	
AREA II LIT COURSE	3	AREA IV SS COURSE	3	MTH 2210	3	MINOR COURSE	3			
TOTAL	7	TOTAL	6	TOTAL	7	TOTAL	7	TOTAL	3	
FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER		
AREA II LIT COURSE	3	AREA II FINE ARTS COURSE	3	MTH 2210	3	BIO 2220/LAB	3/1	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN		
CHM 1142/LAB	3/1	AREA IV SS COURSE	3	MINOR COURSE	3	CHM 1143/LAB	3/1			
MINOR COURSE	3									
TOTAL 16				TOTAL 14						
TERM 1		TERM 2		TERM 3		TERM 4		TERM 5		
AREA V PHYSICS/LAB	3/1	CHM 3342/LAB	3/1	AREA V PHYSICS/LAB	3/1	CHM 3343/LAB	3/1	REQ ZOOLOGY ELEC	3/1	
BIO 2229/LAB	3/1	REQ BOTANY ELEC	4	BIO 3320/LAB	3/1					
TOTAL	8	TOTAL	8	TOTAL	8	TOTAL	4	TOTAL	4	
FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER		
AREA V PHYSICS/LAB	3/1	CHM 3342/LAB	3/1	AREA V PHYSICS/LAB	3/1	BIO 3320/LAB	3/1	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN		
BIO 2229/LAB	3/1	REQ BOTANY ELEC	4	CHM 3343/LAB	3/1	REQ ZOOLOGY ELEC	3/1			
TOTAL 16				TOTAL 16						
TERM 1		TERM 2		TERM 3		TERM 4		TERM 5		
REQ_ECOL/ENV ELEC	3/1	REQ_PHY/CELL/MOL ELEC	3/1	MINOR COURSE	3	AREA IV SS COURSE	3	MINOR COURSE	3	
AREA II HUM/FA COURSE	3	MINOR COURSE	3	APPROVED BIO/LAB ELEC	3/1	MINOR COURSE	3	AREA II HUM/FA COURSE	3	
TOTAL	7	TOTAL	7	TOTAL	7	TOTAL	6	TOTAL	7	
FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER		
REQ_ECOL/ENV ELEC	3/1	REQ_PHY/CELL/MOL ELEC	3/1	MINOR COURSE	3	AREA IV SS COURSE	3	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN		
AREA II HUM/FA COURSE	3	AREA IV HIS COURSE	3	APPROVED BIO/LAB ELEC	3/1	MINOR COURSE	3			
MINOR COURSE	3			MINOR COURSE	3	BIO 4484	1			
TOTAL 17				TOTAL 17						
FILE YOUR INTENT TO GRADUATE										
<b>TOTAL PROGRAM 123</b>										

## COLLEGE OF ARTS AND SCIENCES RECOMMENDED ACADEMIC PLAN BACHELOR OF SCIENCE IN BIOLOGY-PROGRAM YEAR 2018-19

COMPLETE ALL REQUIREMENTS (62 HOURS)

AREA I:

ENG 1101	COMP AND MODERN ENGLISH I	3 HOURS
ENG 1102	COMP AND MODERN ENGLISH II	3 HOURS
MINIMUM GRADE OF "C" REQUIRED		

AREA II:

TAKE ANY 1000-2000 LEVEL COURSE IN LITERATURE 3 HOURS

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

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 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" REQUIRED		
BIO 1100/L100	PRINCIPLES OF BIOLOGY W/LAB	3/1 HOURS
CHM 1142/L142	GENERAL CHEMISTRY I W/LAB	3/1 HOURS

AREA IV:

TAKE ANY 1000-2000 LEVEL COURSE WITH A PRIMARY FOCUS IN HISTORY. 3 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. 9 HOURS

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:		
BIO 1101/LAB	ORGANISMAL BIOLOGY	3/1 HOURS
CHM 1143/LAB	GENERAL CHEMISTRY II/LAB	3/1 HOURS
IS 2241	COMPUTER CONCEPTS & APPLICATIONS	3 HOURS
TROY 1101	UNIVERSITY ORIENTATION	1 HOUR

AREA V CONTINUED:

TAKE ONE PHYSICS SEQUENCE:		8 HOURS
PHY 2252/LAB	GENERAL PHYSICS I	
PHY 2253/LAB	GENERAL PHYSICS II	
OR		
PHY 2262/LAB	GENERAL PHYSICS I WITH CALCULUS	
PHY 2263/LAB	GENERAL PHYSICS II WITH CALCULUS	

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 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.

## COLLEGE OF ARTS AND SCIENCES RECOMMENDED ACADEMIC PLAN BACHELOR OF SCIENCE IN BIOLOGY-PROGRAM YEAR 2018-19

**BIOLOGY MAJOR:** (44 HOURS)

2.0 GPA REQUIRED

TAKE THE FOLLOWING COURSES:

BIO 2220/L220	PRINCIPLES OF CELL BIOLOGY	3/1 HOURS
BIO 2229/L229	GENERAL ECOLOGY/LAB	3/1 HOURS
BIO 3320/L320	GENETICS/LAB	3/1 HOURS
CHM 3342/L342	ORGANIC CHEMISTRY I/LAB	3/1 HOURS
CHM 3343/L343	ORGANIC CHEMISTRY II/LAB	3/1 HOURS
MTH 2210	APPLIED STATISTICS	3 HOURS
BIO 4484	SENIOR SEMINAR IN BIOLOGICAL & ENVIRONMENTAL SCIENCES	1 HOUR

**BOTANY:**

TAKE ONE OF THE FOLLOWING BOTANY COURSES WITH ITS CORRESPONDING LAB: BIO 3325/L325 OR BIO 4425	3/1 HOURS
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**ZOOLOGY:**

TAKE ONE OF THE FOLLOWING ZOOLOGY COURSES WITH ITS CORRESPONDING LAB: BIO 3307/L307, BIO 4405/L405, BIO 4420, BIO 4447/L447, BIO 4471/L471	3/1 HOURS
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**ECOLOGY/ENVIRONMENTAL:**

TAKE ONE OF THE FOLLOWING ECOLOGY/ENVIRONMENTAL COURSES WITH ITS CORRESPONDING LAB: BIO 4413/L413, BIO 4416/L416, BIO 4421/L421, BIO 4479/L479	3/1 HOURS
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**PHYSIOLOGY/CELL/MOLECULAR:**

TAKE ONE OF THE FOLLOWING PHYSIOLOGY/CELL/MOLECULAR BIOLOGY 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, BIO 4482/L482	3/1 HOURS
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**MAJOR ELECTIVES:** 4 HOURS

TAKE ONE UPPER-LEVEL (3000-4000) ADVISER-APPROVED BIOLOGY COURSE  
AND ITS CORRESPONDING LAB (4SH).

**MINOR REQUIREMENT:** (18 HOURS)

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