

COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN BACHELOR OF SCIENCE – ENVIRONMENTAL SCIENCE PROGRAM PROGRAM YEAR 2018-19

FALL SEMESTER	HOURS	SPRING SEMESTER	HOURS
TROY 1101	1	ENG 1102/04	3
ENG 1101/03	3	BIO 1120/LAB	3/1
MTH 1114 OR MTH 1125	3-4	CHM 1143/LAB	3/1
CHM 1142/LAB	3/1	AREA II FINE ARTS COURSE	3
BIO 1100/LAB	3/1	MEANINE LINE TO SHERRY	Carlo Carlo
CONTRACTOR OF STREET			
TOTAL	15-16	TOTAL	14
FALL SEMESTER	HOURS	SPRING SEMESTER	HOURS
AREA II LIT COURSE	3	BIO 2220/LAB	3/1
BIO 1101/LAB	3/1	BIO 2229/LAB	3/1
CHM 3342/LAB	3/1	IS 2241	3
GEO 2299 OR GEM 3390	3	AREA IV HIS COURSE	3
MTH 2210	3		
		TOTAL	
TOTAL	17	TOTAL	14
	110110		
FALL SEMESTER	HOURS	SPRING SEMESTER	HOURS
PHY 2252/LAB (DR)	3/1	AREA IV SS COURSE	3
PHY 2252/LAB (DR)	3/1	AREA IV SS COURSE	3
PHY 2252/LAB (DR) AREA II HUM/FA COURSE	3/1 3	AREA IV SS COURSE AREA II HUM/FA COURSE	3 3
PHY 2252/LAB (DR) AREA II HUM/FA COURSE BIO 3320/LAB	3/1 3 3/1	AREA IV SS COURSE AREA II HUM/FA COURSE BIO 3328/LAB	3 3 3/1
PHY 2252/LAB (DR) AREA II HUM/FA COURSE BIO 3320/LAB	3/1 3 3/1	AREA IV SS COURSE AREA II HUM/FA COURSE BIO 3328/LAB	3 3 3/1
PHY 2252/LAB (DR) AREA II HUM/FA COURSE BIO 3320/LAB APPROVED MAJ ELEC/LAB	3/1 3 3/1 4 15	AREA IV SS COURSE AREA II HUM/FA COURSE BIO 3328/LAB BIO 4413/LAB	3 3 3/1 3/1
PHY 2252/LAB (DR) AREA II HUM/FA COURSE BIO 3320/LAB APPROVED MAJ ELEC/LAB TOTAL FALL SEMESTER	3/1 3 3/1 4 15 HOURS	AREA IV SS COURSE AREA II HUM/FA COURSE BIO 3328/LAB BIO 4413/LAB TOTAL SPRING SEMESTER	3 3/1 3/1 14 HOURS
PHY 2252/LAB (DR) AREA II HUM/FA COURSE BIO 3320/LAB APPROVED MAJ ELEC/LAB TOTAL	3/1 3 3/1 4 15 HOURS 3/1	AREA IV SS COURSE AREA II HUM/FA COURSE BIO 3328/LAB BIO 4413/LAB TOTAL SPRING SEMESTER AREA IV SS COURSE	3 3/1 3/1 14 HOURS 3
PHY 2252/LAB (DR) AREA II HUM/FA COURSE BIO 3320/LAB APPROVED MAJ ELEC/LAB TOTAL FALL SEMESTER APPROVED MAJ ELEC/LAB BIO 4479/LAB	3/1 3 3/1 4 15 HOURS 3/1 3/1	AREA IV SS COURSE AREA II HUM/FA COURSE BIO 3328/LAB BIO 4413/LAB TOTAL SPRING SEMESTER AREA IV SS COURSE APPROVED MAJ ELEC	3 3/1 3/1 14 HOURS 3 3
PHY 2252/LAB (DR) AREA II HUM/FA COURSE BIO 3320/LAB APPROVED MAJ ELEC/LAB TOTAL FALL SEMESTER APPROVED MAJ ELEC/LAB BIO 4479/LAB APPROVED MAJ ELEC/LAB	3/1 3 3/1 4 15 HOURS 3/1 3/1 3	AREA IV SS COURSE AREA II HUM/FA COURSE BIO 3328/LAB BIO 4413/LAB TOTAL SPRING SEMESTER AREA IV SS COURSE APPROVED MAJ ELEC APPROVED MAJ ELEC/LAB	3 3/1 3/1 14 HOURS 3 3/1
PHY 2252/LAB (DR) AREA II HUM/FA COURSE BIO 3320/LAB APPROVED MAJ ELEC/LAB TOTAL FALL SEMESTER APPROVED MAJ ELEC/LAB BIO 4479/LAB APPROVED MAJ ELEC/LAB APPROVED MAJ ELEC/LAB APPROVED MAJ ELEC	3/1 3 3/1 4 15 HOURS 3/1 3/1	AREA IV SS COURSE AREA II HUM/FA COURSE BIO 3328/LAB BIO 4413/LAB TOTAL SPRING SEMESTER AREA IV SS COURSE APPROVED MAJ ELEC APPROVED MAJ ELEC/LAB BIO 4484	3 3/1 3/1 14 HOURS 3 3/1 1
PHY 2252/LAB (DR) AREA II HUM/FA COURSE BIO 3320/LAB APPROVED MAJ ELEC/LAB TOTAL FALL SEMESTER APPROVED MAJ ELEC/LAB BIO 4479/LAB APPROVED MAJ ELEC/LAB APPROVED MAJ ELEC/LAB ELEC/LAB APPROVED MAJ ELEC/LAB APPROVED MAJ ELEC AREA IV SS COURSE FILE YOUR INTENT TO GRADUATE	3/1 3 3/1 4 15 HOURS 3/1 3/1 3	AREA IV SS COURSE AREA II HUM/FA COURSE BIO 3328/LAB BIO 4413/LAB TOTAL SPRING SEMESTER AREA IV SS COURSE APPROVED MAJ ELEC APPROVED MAJ ELEC/LAB BIO 4484 FREE ELEC	3 3/1 3/1 14 HOURS 3 3/1 1 5-6
PHY 2252/LAB (DR) AREA II HUM/FA COURSE BIO 3320/LAB APPROVED MAJ ELEC/LAB TOTAL FALL SEMESTER APPROVED MAJ ELEC/LAB BIO 4479/LAB APPROVED MAJ ELEC/LAB APPROVED MAJ ELEC/LAB APPROVED MAJ ELEC	3/1 3 3/1 4 15 HOURS 3/1 3/1 3	AREA IV SS COURSE AREA II HUM/FA COURSE BIO 3328/LAB BIO 4413/LAB TOTAL SPRING SEMESTER AREA IV SS COURSE APPROVED MAJ ELEC APPROVED MAJ ELEC/LAB BIO 4484	3 3/1 3/1 14 HOURS 3 3/1 1 5-6 16-17



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COMPLETE ALL REQUIREMENTS	(60-61 HOURS)
AREA I	
ENG 1101 COMP AND MODERN ENGLISH I ENG 1102 COMP AND MODERN ENGLISH II Minimum Grade of "C" required	3 HOURS 3 HOURS
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	
BIO 1100/L100 PRINCIPLES OF BIOLOGY W/LAB CHM 1142/L142 GENERAL CHEMISTRY I W/LAB MTH 1114 OR 1125 CALCULUS I MINIMUM GRADE OF "C" REQUIRED	3/1 HOURS 3/1 HOURS 3-4 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	
BIO 1101/LAB ORGANISMAL BIOLOGY CHM 1143/LAB GENERAL CHEMISTRY II/LAB IS 2241 COMPUTER CONCEPTS & APPLICATIONS GEO 2299 OR GEM 3390 TROY 1101 UNIVERSITY ORIENTATION	3/1 HOURS 3/1 HOURS 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. 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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AREA V CONTINUED

2262/LAB

TAKE ONE PHYSICS SEQUENCE:

PHY 2252/LAB GENERAL PHYSICS I

(DR DENOTES DEPARTMENTAL RECOMMENDED COURSE)

OR

ENVIRONMENTAL SCIENCE PROGRAM
2.0 GPA REQUIRED
(40 HOURS)

TAKE THE FOLLOWING COURSES: SURVEY OF ENVIRONMENTAL SCIENCE/LAB BIO 1120/L120 3/1 HOURS 2220/L220 CELL BIOLOGY/LAB 3/1 HOURS BIO BIO 2229/L229 GENERAL ECOLOGY/LAB 3/1 HOURS BIO 3320/L320 GENETICS/LAB 3/1 HOURS BIO 3328/L328 ENVIRONMENTAL POLLUTION CONTROL/LAB 3/1 HOURS BIO 4413/L413 LIMNOLOGY/LAB 3/1 HOURS 4479/L479 ENVIRONMENTAL ASSESSMENT/LAB 3/1 HOURS BIO SENIOR SEMINAR IN BIOLOGY & ENVIRONMENTA SCIENCE BIO 4484 1 HOUR ORGANIC CHEMISTRY I/LAB ORGANIC CHEMISTRY II/LAB CHM 3342/L342 3/1 HOURS CHM 3343/L343 3/1 HOURS MTH 2210 APPLIED STATISTICS 3 HOURS

MAJOR ELECTIVES (18 HOURS)

TAKE 18 HOURS OF APPROVED UPPER-LEVEL (3000-4000) COURSES IN

BIOLOGY, MARINE BIOLOGY, CHEMISTRY, GEOGRAPHY OR MATHEMATICS. (BIO 4488/4489/4490 (1-8 HOURS) INTERNSHIP IN ENVIRONMENTAL SCIENCE)

GENERAL PHYSICS I WITH CALCULUS

FREE ELECTIVES REQUIREMENT (5-6 HOURS)

TAKE 5-6 SEMESTER HOURS OF FREE ELECTIVE CREDIT. 5-6 HOURS