

MY DEGREE MAP COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN BACHELOR OF SCIENCE-ENVIRONMENTAL SCIENCE PROGRAM PROGRAM YEAR 2023-24

FALL SEMESTER	HRS	SPRING SEMESTER	HRS
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		6 777 1
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TOTAL	15-16	TOTAL	14
FALL SEMESTER	HRS	SPRING SEMESTER	HRS
AREA II LIT COURSE	3	BIO 2220	3
BIO 1101/LAB	3/1	BIO 2229/LAB	3/1
CHM 3342/LAB	3/1	IS 2241	3
GEO 2299 OR GIS 3390	3	AREA IV HIS COURSE	3
STAT 2210	3		
政府总统已经第2回日,在3日以外的			
TOTAL	177	TOTAL	10
		TOTAL	13
FALL SEMESTER	HRS	SPRING SEMESTER	HRS
FALL SEMESTER	HRS	SPRING SEMESTER	HRS
FALL SEMESTER PHY 2252/LAB (DR)	HRS 3/1	SPRING SEMESTER AREA IV SS COURSE	HRS 3
FALL SEMESTER PHY 2252/LAB (DR) AREA II HUM/FA COURSE	HRS 3/1 3	SPRING SEMESTER AREA IV SS COURSE AREA II HUM/FA COURSE	HRS 3 3
FALL SEMESTER PHY 2252/LAB (DR) AREA II HUM/FA COURSE BIO 3320	HRS 3/1 3 3	SPRING SEMESTER AREA IV SS COURSE AREA II HUM/FA COURSE BIO 3328/LAB	HRS 3 3 3/1
FALL SEMESTER PHY 2252/LAB (DR) AREA II HUM/FA COURSE BIO 3320 APPROVED MAJ ELEC/LAB TOTAL	HRS 3/1 3 3 4	SPRING SEMESTER AREA IV SS COURSE AREA II HUM/FA COURSE BIO 3328/LAB BIO 4413/LAB TOTAL	HRS 3 3 3/1
FALL SEMESTER PHY 2252/LAB (DR) AREA II HUM/FA COURSE BIO 3320 APPROVED MAJ ELEC/LAB	HRS 3/1 3 3 4	SPRING SEMESTER AREA IV SS COURSE AREA II HUM/FA COURSE BIO 3328/LAB BIO 4413/LAB TOTAL SPRING SEMESTER	HRS 3 3 3/1 3/1
FALL SEMESTER PHY 2252/LAB (DR) AREA II HUM/FA COURSE BIO 3320 APPROVED MAJ ELEC/LAB TOTAL	HRS 3/1 3 3 4	SPRING SEMESTER AREA IV SS COURSE AREA II HUM/FA COURSE BIO 3328/LAB BIO 4413/LAB TOTAL	HRS 3 3/1 3/1 14
FALL SEMESTER PHY 2252/LAB (DR) AREA II HUM/FA COURSE BIO 3320 APPROVED MAJ ELEC/LAB TOTAL FALL SEMESTER	HRS 3/1 3 3 4 14 HRS	SPRING SEMESTER AREA IV SS COURSE AREA II HUM/FA COURSE BIO 3328/LAB BIO 4413/LAB TOTAL SPRING SEMESTER	HRS 3 3 3/1 3/1 14 HRS
FALL SEMESTER PHY 2252/LAB (DR) AREA II HUM/FA COURSE BIO 3320 APPROVED MAJ ELEC/LAB TOTAL FALL SEMESTER APPROVED MAJ ELEC/LAB	HRS 3/1 3 3 4 14 HRS 3/1	SPRING SEMESTER AREA IV SS COURSE AREA II HUM/FA COURSE BIO 3328/LAB BIO 4413/LAB TOTAL SPRING SEMESTER AREA IV SS COURSE	HRS 3 3 3/1 3/1 14 HRS 3
FALL SEMESTER PHY 2252/LAB (DR) AREA II HUM/FA COURSE BIO 3320 APPROVED MAJ ELEC/LAB TOTAL FALL SEMESTER APPROVED MAJ ELEC/LAB BIO 4479/LAB	HRS 3/1 3 3 4 14 HRS 3/1 3/1	SPRING SEMESTER 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	HRS 3 3 3/1 3/1 14 HRS 3
FALL SEMESTER PHY 2252/LAB (DR) AREA II HUM/FA COURSE BIO 3320 APPROVED MAJ ELEC/LAB TOTAL FALL SEMESTER APPROVED MAJ ELEC/LAB BIO 4479/LAB APPROVED MAJ ELEC	HRS 3/1 3 4 14 HRS 3/1 3/1 4	SPRING SEMESTER 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	HRS 3 3/1 3/1 14 HRS 3 4 3/1
FALL SEMESTER PHY 2252/LAB (DR) AREA II HUM/FA COURSE BIO 3320 APPROVED MAJ ELEC/LAB TOTAL FALL SEMESTER APPROVED MAJ ELEC/LAB BIO 4479/LAB APPROVED MAJ ELEC AREA IV SS COURSE	HRS 3/1 3 4 14 HRS 3/1 3/1 4	SPRING SEMESTER 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	HRS 3 3/1 3/1 14 HRS 3 4 3/1 1



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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	3/1 HOURS 3/1 HOURS 3 HOURS
OR MTH 1125 CALCULUS I (MINIMUM GRADE OF "C" REQUIRED)	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.	
AREAV	
BIO 1101/LAB ORGANISMAL BIOLOGY CHM 1143/LAB GENERAL CHEMISTRY II/LAB IS 2241 COMPUTER CONCEPTS & APPLICATIONS GEO 2299 BASICS GIS	3/1 HOURS 3/1 HOURS 3 HOURS
GIS 3390 FUNDAMENTALS OF GEOGRAPHIC INFORMATION TROY 1101 THE UNIVERSITY EXPERIENCE	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 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. PLEASE CONSIDER THIS REQUIREMENT. WHEN SELECTING COURSEWORK IN AREAS II OR IV.



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AREA V CONTINUED

TAKE ONE PHYSICS SEQUENCE: 4 HOURS PHY 2252/LAB GENERAL PHYSICS I

(DR DENOTES DEPARTMENTAL RECOMMENDED COURSE)

OR

PHY 2262/LAB GENERAL PHYSICS I WITH CALCULUS

ENVIRONMENTAL SCIENCE PROGRAM	(52-54 HOURS)
2.0 GPA REQUIRED	

TAKE THE FOLLOWING COURSES:

BIO 1120/L120 SURVEY OF ENVIRONMENTAL SCIENCE/LAB 3/1 HOURS BIO 2220 CELL BIOLOGY **HOURS** 2229/L229 HOURS BIO GENERAL ECOLOGY/LAB 3/1 BIO 3320 **GENETICS HOURS** BIO 3328/L328 ENVIRONMENTAL POLLUTION CONTROL/LAB 3/1 HOURS

BIO4413/L413LIMNOLOGY/LAB3/1HOURSBIO4479/L479ENVIRONMENTAL ASSESSMENT/LAB3/1HOURSBIO4484SENIOR SEMINAR IN BIOLOGY & ENVIRONMENTA SCIENCE1HOUR

CHM 3342/L342 ORGANIC CHEMISTRY I/LAB 3/1 HOURS STAT 2210 INTRODUCTORY STATISTICS 3/1 HOURS

MAJOR ELECTIVES (18-20 HOURS)

TAKE 18-20 HOURS OF APPROVED UPPER-LEVEL (3000-4000) COURSES IN BIOLOGY, MARINE BIOLOGY, CHEMISTRY, GEOGRAPHY OR MATHEMATICS.

FREE ELECTIVES REQUIREMENT (5-8 HOURS)

TAKE 5-8 SEMESTER HOURS OF FREE ELECTIVE CREDIT.

5-8 HOURS

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, 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.