

MY DEGREE MAP

COLLEGE OF ARTS AND SCIENCES RECOMMENDED ACADEMIC PLAN BIOLOGY PROGRAM: BIOMEDICAL SCIENCE CONCENTRATION PROGRAM YEAR 2016-2017

		1 ST X/F A D				
1 st YEAR						
FALL SEMESTER	HRS	SPRING SEMESTER	HRS	SUMMER		
				SEMESTER		
TROY 1101	1	ENG 1102/04	3	SELECT COURSES That Have Not		
ENG 1101/03	3	BIO 1101/L101	3/1	BEEN COMPLETED FROM PREVIOUS 2		
MTH 1125	4	CHM 1143/L143	3/1	SEMESTERS OR COURSES SUCH AS		
BIO 1100/L100	3/1	IS 2241	3	Prerequisite Courses Or		
CHM 1142/L142	3/1			COURSES TO BE RETAKEN		
TOTAL	16	TOTAL	14	KETAKEN		
		2 ND YEAR				
FALL SEMESTER	HRS	SPRING SEMESTER	HRS	Summer		
				Semester		
AREA II LIT COURSE	3	MTH 2210	3	SELECT COURSES That Have Not		
CHM 3342/L342	3/1	AREA II HUM/FA COURSE	3	BEEN COMPLETED FROM PREVIOUS 2		
AREA IV HIS COURSE	3	CHM 3343/L343	3/1	SEMESTERS OR		
BIO 2220/L220	3/1	BIO 3372/L372	3/1	Courses Such As Prerequisite		
FREE ELEC	1	FREE ELEC	1	COURSES OR Courses to be		
TOTAL	15	TOTAL	15	Retaken		
7 0 11 12	10	3 RD YEAR	10			
fall semester	HRS	SPRING SEMESTER	HRS	Summer		
TABL SEIVILSTEIC	11105	STRING SEINLESTEIC	1110	SEMESTER		
AREA V PHY/LAB COURSE	3/1	AREA V PHY/LAB	3/1	SELECT COURSES		
BIO 2229/L229	3/1	BIO 3320/L320	3/1	THAT HAVE NOT BEEN COMPLETED		
BIO 3347/L347	3/1	BIO 3348/L348	3/1	FROM PREVIOUS 2 SEMESTERS OR		
AREA IV SS COURSE	3	AREA IV SS COURSE	3	COURSES SUCH AS Prerequisite		
TOTAL	15	TOTAL	15	COURSES OR Courses to be		
1017(10	4 TH YEAR	10	Retaken		
FALL CEALECTED	LIDC		LIDC	Criver		
FALL SEMESTER	HRS	SPRING SEMESTER	HRS	SUMMER		
DIO 4402/1402	2 /1	ADDDOVED DIO /I AD ELEC	2 /1	SEMESTER SELECT COURSES		
BIO 4482/L482	3/1	APPROVED BIO/LAB ELEC	3/1	THAT HAVE NOT BEEN COMPLETED		
APPROVED BIO/LAB ELEC	3/1	APPROVED BIO/LAB ELEC	3/1	FROM PREVIOUS 2 SEMESTERS OR		
APPROVED BIO/LAB ELEC	3/1	BIO 4484	1	COURSES SUCH AS		
AREA II FINE ARTS COURSE	3	AREA II HUM/FA COURSE	3	PREREQUISITE COURSES OR		
REMEMBER TO FILE YOUR INTENT TO GRADUATE		AREA IV SS COURSE	3	Courses to Be Retaken		
TOTAL	15	TOTAL	15	40-22-410		
MINIMUM NUMBER OF HOURS REQUIRED FOR THIS MAJOR: 120						



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Complete all 6 sub-requirements	(62 HOURS)
A. AREA I:	
Take the following courses: Minimum Grade of "C" required ENG 1101 Comp and modern English I ENG 1102 Comp and modern English II	3 hours 3 hoursb.
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
C. AREA III:	
Take the following courses: BIO 1100/L100 Principles Of Biology W/Lab CHM 1142/L142 General Chemistry I W/Lab Take MTH 1125 Calculus I ("C" or better)	4 hours 4 hours 3 hours
D. AREA IV:	
TAKE THE FOLLOWING COURSES: TAKE ANY 1000-2000 LEVEL COURSE WITH A PRIMARY FOCUS IN HISTORY TAKE ANY 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
E. AREA V:	
TAKE THE FOLLOWING COURSES: BIO 1101/L101 ORGANISMAL BIOLOGY W/LAB CHM 1143/L143 GENERAL CHEMISTRY II W/LAB IS 2241 COMPUTER CONCEPTS & APPLICATIONS TROY 1101 UNIVERSITY ORIENTATION	4 hours 4 hours 3 hours 1 hour
AREA V CONTINUED:	
TAKE ONE PHYSICS SEQUENCE: PHY 2252/LAB GENERAL PHYSICS I AND PHY 2253/LAB GENERAL PHYSICS II OR	8 Hours

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.

PHY 2262/LAB GENERAL PHYSICS I WITH CALCULUS AND PHY 2263/LAB GENERAL PHYSICS II WITH CALCULUS



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BIOLOGY PROGRAM	(24 HOURS)
MINIMUM 2.0 OVERALL GPA REQUIRED TAKE THE FOLLOWING COURSES: BIO 2220/L220 PRIN CELL BIOLOGY W/LAB BIO 2229/L229 GENERAL ECOLOGY W/LAB BIO 3320/L320 GENETICS W/LAB BIO 4484 SENIOR SEMINAR IN BIOLOGICAL & ENVIRONMENTAL SCIENCE CHM 3342/L342 ORGANIC CHEMISTRY I W/LAB CHM 3343/L343 ORGANIC CHEMISTRY II W/LAB MTH 2210 APPLIED STATISTICS	4 HOURS 4 HOURS 4 HOURS 1 HOUR 4 HOURS 4 HOURS 3 HOURS
BIOMEDICAL SCIENCES CONCENTRATION	(16 HOURS)
TAKE THE FOLLOWING COURSES: BIO 3347/L347 HUMAN ANATOMY & PHYSIOLOGY I W/LAB BIO 3348/L348 HUMAN ANATOMY & PHYSIOLOGY II W/LAB BIO 3372/L372 MICROBIOLOGY W/LAB BIO 4482/L482 MOLECULAR BIOLOGY W/LAB	4 HOURS 4 HOURS 4 HOURS 4 HOURS
MAJOR ELECTIVES	(16 HOURS)
TAKE 16 HOURS FROM THE FOLLOWING: BIO 3340 (3), BIO 3382/L382 (3/1), BIO 4414/L414 (3/1), BIO 4416/L416 (3/1) BIO 4430/L430 (3/1), BIO 4451/L451 (3/1), BIO 4471/L471 (3/1), BIO 4476 (1-3), BIO 4480/L480 (3/1); BIO 4488/4489/4490 (1-3); BIO 4491/4492/4493/4494 (1-3), OR CHM 3352/L352 (3/1)	16 hours
FREE ELECTIVES REQUIREMENT	(2 HOURS)
Take 2 semester hours of free elective credit.	2 Hours