# **TROY** UNIVERSITY TM MY DEGREE MAP COLLEGE OF ARTS AND SCIENCES RECOMM

COLLEGE OF ARTS AND SCIENCES RECOMMENDED ACADEMIC PLAN BIOLOGY PROGRAM: BIOMEDICAL SCIENCE CONCENTRATION PROGRAM YEAR 2015-2016

1 <sup>st</sup> 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		
		2 <sup>ND</sup> 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 Courses Such As	
BIO 2220/L220	3/1	BIO 3372/L372	3/1	Prerequisite Courses Or	
FREE ELEC	1	FREE ELEC	1	Courses To Be Retaken	
TOTAL	15	TOTAL	15	ALC: NOT THE OWNER OF	
3 <sup>rd</sup> YEAR					
FALL SEMESTER	HRS	SPRING SEMESTER	HRS	Summer	
				Semester	
AREA V PHY/LAB COURSE	3/1	AREA V PHY/LAB	3/1	SELECT COURSES THAT HAVE NOT	
BIO 2229/L229	3/1	BIO 3320/L320	3/1	BEEN COMPLETED FROM PREVIOUS 2	
BIO 3347/L347	3/1	BIO 3348/L348	3/1	semesters Or Courses Such As	
AREA IV SS COURSE	3	AREA IV SS COURSE	3	PREREQUISITE COURSES OR	
TOTAL	15	TOTAL	15	Courses To Be Retaken	
4 <sup>th</sup> YEAR					
FALL SEMESTER	HRS	SPRING SEMESTER	HRS	Summer	
				Semester	
BIO 4482/L482	3/1	APPROVED BIO/LAB ELEC	3/1	Select courses That Have Not	
APPROVED BIO/LAB ELEC	3/1	APPROVED BIO/LAB ELEC	3/1	BEEN COMPLETED From Previous 2	
APPROVED BIO/LAB ELEC	3/1	BIO 4484	1	SEMESTERS OR 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	1.1	AREA IV SS COURSE	3	Courses To Be Retaken	
TOTAL	15	TOTAL	15	(All Strive in	
MINIMUM NUMBER OF HOURS REQUIRED FOR THIS MAJOR : 120					

## UNIVERSITY TM College of Arts and Sciences Recommended Academic Plan Biology Program: Biomedical Sciences Concentration Program Year 2015-16

#### **COMPLETE ALL 6 SUB-REQUIREMENTS**

A. AREA I:

(62 HOURS)

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:BIO1101/L101Organismal Biology W/LabCHM1143/L143General Chemistry II W/LabIS2241Computer Concepts & ApplicationsTROY1101University 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
PHY 2262/LAB GENERAL PHYSICS I WITH CALCULUS AND 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. COMPLE-TION 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 50% OF REQUIRED COURSEWORK MUST BE EARNED AT A SENIOR INSTITUTION. 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 GRADU-ATE.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.

### UNIVERSITY TM College of Arts and Sciences Recommended Academic Plan Biology Program: Biomedical Sciences Concentration Program Year 2015-16

### **BIOLOGY PROGRAM**

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#### (24 HOURS)

MINIMUM 2.0 OVERALL GPA REQUIRED	
TAKE THE FOLLOWING COURSES:	
BIO 2220/L220 PRIN CELL BIOLOGY W/LAB	4 HOURS
BIO 2229/L229 GENERAL ECOLOGY W/LAB	4 HOURS
BIO 3320/L320 GENETICS W/LAB	4 HOURS
BIO 4484 SENIOR SEMINAR IN BIOLOGICAL & ENVIRONMENTAL SCIENCE	1 HOUR
CHM 3342/L342 Organic Chemistry I W/Lab	4 HOURS
CHM 3343/L343 ORGANIC CHEMISTRY II W/LAB	4 HOURS
MTH 2210 APPLIED STATISTICS	3 HOURS
IOMEDICAL SCIENCES CONCENTRATION	(16 HOURS)
TAKE THE FOLLOWING COURSES:	
BIO 3347/L347 Human Anatomy & Physiology I w/Lab	4 HOURS
BIO 3348/L348 Human Anatomy & Physiology II w/lab	4 HOURS
BIO 3372/L372 MICROBIOLOGY W/LAB	4 HOURS
BIO 4482/L482 MOLECULAR BIOLOGY W/LAB	4 HOURS
AAJOR ELECTIVES	(16 HOURS)
Take 16 Hours From The Following:	16 HOURS
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)	
REE ELECTIVES REQUIREMENT	(2 HOURS)
Take 2 semester hours of free elective credit.	2 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 (AVAILABLE THROUGH TROJAN WEE EXPRESS), 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.