

## MY DEGREE MAP

### COLLEGE OF ARTS AND SCIENCES RECOMMENDED ACADEMIC PLAN BIOLOGY PROGRAM: BIOMEDICAL SCIENCE CONCENTRATION PROGRAM YEAR 2018-19

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 BEEN COMPLETED FROM PREVIOUS 2 SEMESTERS OR COURSES SUCH AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN
ENG 1101/03	3	BIO 1101/L101	3/1	
MTH 1125	4	CHM 1143/L143	3/1	
BIO 1100/L100	3/1	IS 2241	3	
CHM 1142/L142	3/1			
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 BEEN COMPLETED FROM PREVIOUS 2 SEMESTERS OR COURSES SUCH AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN
CHM 3342/L342	3/1	AREA II HUM/FA COURSE	3	
AREA IV HIS COURSE	3	CHM 3343/L343	3/1	
BIO 2220/L220	3/1	BIO 3372/L372	3/1	
FREE ELEC	1	FREE ELEC	1	
TOTAL	15	TOTAL	15	
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 BEEN COMPLETED FROM PREVIOUS 2 SEMESTERS OR COURSES SUCH AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN
BIO 2229/L229	3/1	BIO 3320/L320	3/1	
BIO 3347/L347	3/1	BIO 3348/L348	3/1	
AREA IV SS COURSE	3	AREA IV SS COURSE	3	
TOTAL	15	TOTAL	15	
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 BEEN COMPLETED FROM PREVIOUS 2 SEMESTERS OR COURSES SUCH AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN
APPROVED BIO/LAB ELEC	3/1	APPROVED BIO/LAB ELEC	3/1	
APPROVED BIO/LAB ELEC	3/1	BIO 4484	1	
AREA II FINE ARTS COURSE	3	AREA II HUM/FA COURSE	3	
REMEMBER TO FILE YOUR INTENT TO GRADUATE		AREA IV SS COURSE	3	
TOTAL	15	TOTAL	15	
MINIMUM NUMBER OF HOURS REQUIRED FOR THIS MAJOR :				120



## COLLEGE OF ARTS AND SCIENCES RECOMMENDED ACADEMIC PLAN BIOLOGY PROGRAM: BIOMEDICAL SCIENCES CONCENTRATION PROGRAM YEAR 2018-19

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 3 HOURS

ENG 1102 COMP AND MODERN ENGLISH II 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 3 HOURS

SCOPE IN FINE ARTS, INCLUDING THE DISCIPLINES OF ART, MUSIC, THEATRE, FILM, OR OTHER FINE ARTS AREA.

TAKE ANY TWO 1000-2000 LEVEL COURSES WITH AN EXPANDED HISTORICAL AND 6 HOURS

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.

C. AREA III:

TAKE THE FOLLOWING COURSES:

BIO 1100/L100 PRINCIPLES OF BIOLOGY W/LAB 4 HOURS

CHM 1142/L142 GENERAL CHEMISTRY I W/LAB 4 HOURS

TAKE MTH 1125 CALCULUS I ("C" OR BETTER) 3 HOURS

D. AREA IV:

TAKE THE FOLLOWING COURSES:

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

TAKE ANY THREE 1000 2000 LEVEL COURSE FROM THE FOLLOWING SOCIAL SCIENCE 9 HOURS

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.

E. AREA V:

TAKE THE FOLLOWING COURSES:

BIO 1101/L101 ORGANISMAL BIOLOGY W/LAB 4 HOURS

CHM 1143/L143 GENERAL CHEMISTRY II W/LAB 4 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 AND PHY 2253/LAB GENERAL PHYSICS II

OR

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

**COLLEGE OF ARTS AND SCIENCES RECOMMENDED ACADEMIC PLAN  
BIOLOGY PROGRAM: BIOMEDICAL SCIENCES CONCENTRATION  
PROGRAM YEAR 2018-19**

**BIOLOGY PROGRAM (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

**BIOMEDICAL 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

**MAJOR ELECTIVES (16 HOURS)**

INDEPENDENT STUDIES (BIO 4476), AND GUIDED INDEPENDENT RESEARCH (BIO 4491/4492) AND GUIDED BE TAKEN FOR A MAXIMUM OF 6 SEMESTER HOURS.--

ONE UPPER LEVEL BOTANY, ECOLOGY/ENVIRONMENTAL OR ZOOLOGY COURSE WITH ITS CORRESPONDING LAB MAY BE USED TOWARDS THIS REQUIREMENT. THE 16SH CHOSEN SHOULD BE BASED ON ANY FUTURE PLANS FOR EMPLOYMENT, GRADUATE SCHOOL, OR PROFESSIONAL SCHOOL.

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 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)	

**FREE ELECTIVES REQUIREMENT (2 HOURS)**

TAKE 2 SEMESTER HOURS OF FREE ELECTIVE CREDIT.	2 HOURS
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