

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

1 ST 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 ND 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 RD 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 TH 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 2015-16

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 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

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



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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	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)

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
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FREE ELECTIVES REQUIREMENT (2 HOURS)

TAKE 2 SEMESTER HOURS OF FREE ELECTIVE CREDIT.	2 HOURS
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