

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

1ST YEAR			
1ST SEMESTER	HRS	2ND SEMESTER	HRS
TROY 1101	1	ENG 1102/04	3
ENG 1101/03	3	BIO 1101/LAB	3/1
FREE ELEC (MTH 1114 DR)	3	MTH 1125	4
CHM 1142/L142	3/1	CHM 1143/L143	3/1
BIO 1100/LAB	3/1		
TOTAL	15	TOTAL	15
2ND YEAR			
3RD SEMESTER	HRS	4TH SEMESTER	HRS
AREA II LIT COURSE	3	CHM 3343/L343	3/1
BIO 2220	3	AREA II HUM/FA COURSE	3
AREA II FINE ARTS COURSE	3	STAT 2210	3
CHM 3342/L342	3/1	BIO 2229/L229	3/1
AREA IV HIS COURSE	3		
TOTAL	16	TOTAL	14
3RD YEAR			
5TH SEMESTER	HRS	6TH SEMESTER	HRS
AREA IV SS COURSE	3	AREA V PHY/LAB SEQ	3/1
REQ MAJ ELEC	3/1	BIO 3320	3
REQ MAJ ELEC	3/1	AREA IV SS COURSE	3
AREA V PHY/LAB SEQ	3/1	REQ MAJ ELEC	3/1
		REQ MAJ ELEC	2
TOTAL	15	TOTAL	16
4TH YEAR			
7TH SEMESTER	HRS	8TH SEMESTER	HRS
REQ MAJ ELEC	3/1	BIO 4484	1
REQ MAJ ELEC	3/1	IS 2241	3
AREA II HUM/FA COURSE	3	REQ MAJ ELEC	3/1
AREA IV SS COURSE	3	REQ MAJ ELEC	3/1
		REQ MAJ ELEC	3/1
SUBMIT GRADUATION APPLICATION			
TOTAL	14	TOTAL	16
TOTAL PROGRAM			120*

* NOTE: PROGRAM REQUIRES 120 HOURS. HOURS ABOVE MAY DIFFER DUE TO MATH REQUIREMENTS.

COMPLETE ALL REQUIREMENTS

(62 HOURS)

AREA I

TAKE THE FOLLOWING COURSES:

ENG 1101	COMP AND MODERN ENGLISH I	3 HOURS
ENG 1102	COMP AND MODERN ENGLISH II	3 HOURS
MINIMUM GRADE OF "C" REQ		

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 REQ. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT.

AREA III

MTH 1125	CALCULUS	4 HOURS
MINIMUM GRADE OF "C" REQ		
BIO 1100/L100	PRINCIPLES OF BIOLOGY W/ LAB	3/1 HOURS
CHM 1142/L142	GENERAL CHEMISTRY I W/ LAB	3/1 HOURS

AREA IV

TAKE ANY 1000-2000 LEVEL COURSE WITH A PRIMARY FOCUS IN HISTORY	3 HOURS
TAKE 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.	9 HOURS

NOTE: A SEQUENCE IN LITERATURE OR HISTORY IS REQ. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT.

AREA V

IS 2241	COMPUTER CONCEPTS AND APPLICATIONS	3 HOURS
TROY 1101	THE UNIVERSITY EXPERIENCE	1 HOUR
BIO 1101/L101	ORGANISMAL BIOLOGY W/ LAB	3/1 HOURS
CHM 1143/L143	GENERAL CHEMISTRY II W/ LAB	3/1 HOURS

AREA V CONTINUED:

TAKE ONE PHYSICS SEQUENCE	8 HOURS
PHY 2252/L252	GENERAL PHYSICS I W/ LAB
PHY 2253/L253	GENERAL PHYSICS II W/ LAB
OR	
PHY 2262/L262	GENERAL PHYSICS I WITH CALCULUS W/ LAB
PHY 2263/L263	GENERAL PHYSICS II WITH CALCULUS W/ LAB

BIOMEDICAL SCIENCES PROGRAM

(54 HOURS)

TAKE THE FOLLOWING COURSES:

2.0 GPA REQUIRED

BIO 2220 PRINCIPLES OF CELL BIOLOGY

3 HOURS

BIO 2229/L229 GENERAL ECOLOGY/LAB

3/1 HOURS

BIO 3320 GENETICS

3 HOURS

CHM 3342/L342 ORGANIC CHEMISTRY I/LAB

3/1 HOURS

CHM 3343/L343 ORGANIC CHEMISTRY II/LAB

3/1 HOURS

OR

CHM 3352 BIO CHEMISTRY/LAB

STAT 2210 INTRODUCTORY STATISTICS

3 HOURS

BIO 4484 SENIOR SEMINAR IN BIOLOGICAL & ENVIRONMENTAL SCIENCES

1 HOUR

MAJOR ELECTIVES

32 HOURS

TAKE 30-32 ADDITIONAL SEMESTER HOURS IN APPROVED UPPER LEVEL BIOLOGY, BIOCHEMISTRY (CHM 3352), OR MARINE BIOLOGY COURSES THE 30-32 HOURS CHOSEN SHOULD BE BASED ON FUTURE PLANS FOR EMPLOYMENT, GRADUATE SCHOOL, OR PROFESSIONAL SCHOOL. (BIOCHEMISTRY COURSE(S) REQUIRE AN ACADEMIC EVALUATOR EXCEPTION.)

SPECIAL TOPICS IN BIOLOGY (BIO 4476), GUIDED INDEPENDENT STUDIES (BIO 4491/4492), AND GUIDED INDEPENDENT RESEARCH (BIO 4493/4494) MAY ONLY BE TAKEN FOR A MAXIMUM OF 6 SEMESTER HOURS.

FREE ELECTIVE REQUIREMENT

(2-4 HOURS)

TAKE 2-4 HOURS OF FREE ELECTIVE CREDIT.

DR DENOTES DEPARTMENT RECOMMENDED COURSE. TAKE MTH 1114 AS FREE ELECTIVE COURSE IF NEEDED.