

MY DEGREE MAP  
COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN  
BIOMEDICAL SCIENCES PROGRAM–PROGRAM YEAR 2021-22

1ST YEAR			
1ST SEMESTER	HRS	2ND SEMESTER	HRS
TROY 1101	1	ENG 1102/04	3
ENG 1101/03	3	BIO 1101/LAB	3/1
MTH 1125	4	AREA II HUM/FA COURSE	3
AREA IV HIS COURSE	3	AREA IV SS COURSE	3
BIO 1100/LAB	3/1	IS 2241	3
<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>16</b>
2ND YEAR			
3RD SEMESTER	HRS	4TH SEMESTER	HRS
AREA II LIT COURSE	3	CHM 1143/LAB	3/1
BIO 2220	3	AREA IV SS COURSE	3
AREA II FINE ARTS COURSE	3	STAT 2210	3
CHM 1142/LAB	3/1	REQ MAJ ELEC	3
FREE ELEC	3		
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>13</b>
3RD YEAR			
5TH SEMESTER	HRS	6TH SEMESTER	HRS
BIO 2229/LAB	3/1	AREA V PHY/LAB SEQ	3/1
CHM 3342/LAB	3/1	BIO 3320	3
REQ MAJ ELEC	3/1	CHM 3343/LAB	3/1
AREA V PHY/LAB SEQ	3/1	REQ MAJ ELEC	3/1
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>15</b>
4TH YEAR			
7TH SEMESTER	HRS	8TH SEMESTER	HRS
REQ MAJ ELEC	3/1	BIO 4484	1
REQ MAJ ELEC	3/1	AREA IV SS COURSE	3
AREA II HUM/FA COURSE	3	REQ MAJ ELEC	3/1
REQ MAJ ELEC	3	REQ MAJ ELEC	3
MINOR COURSE	3	REQ MAJ ELEC	3
<b>SUBMIT GRADUATION APPLICATION</b>			
<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>14</b>
<b>TOTAL PROGRAM</b>			<b>120</b>

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
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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	3 HOURS
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**

**(4 HOURS)**

TAKE 4 SEMESTER HOURS OF FREE ELECTIVE CREDIT.