

**MY DEGREE MAP  
COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN  
BIOLOGY MAJOR-PROGRAM YEAR 2022-23**

<b>1ST YEAR</b>			
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>
<b>2ND YEAR</b>			
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	MINOR COURSE	3
MINOR COURSE	3		
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>13</b>
<b>3RD YEAR</b>			
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 BOTANY ELEC	3/1	CHM 3343/LAB	3/1
AREA V PHY/LAB SEQ	3/1	REQ ZOOLOGY ELEC	3/1
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>15</b>
<b>4TH YEAR</b>			
7TH SEMESTER	HRS	8TH SEMESTER	HRS
REQ PHY/CELL/MOL/ELEC	3/1	BIO 4484	1
REQ ECOL/ENV ELEC	3/1	AREA IV SS COURSE	3
AREA II HUM/FA COURSE	3	APPROVED BIO/LAB ELEC	3/1
MINOR COURSE	3	MINOR COURSE	3
MINOR COURSE	3	MINOR COURSE	3
<b>SUBMIT GRADUATION APPLICATION</b>			
<b>TOTAL</b>	<b>17</b>	<b>TOTAL</b>	<b>14</b>
<b>TOTAL PROGRAM</b>			<b>122</b>

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**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

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

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**BIOLOGY MAJOR (42 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

**BOTANY 3/1 HOURS**

TAKE ONE OF THE FOLLOWING BOTANY COURSES WITH ITS CORRESPONDING LAB.  
BIO 3325/L325 OR BIO 4425

**ZOOLOGY 3/1 HOURS**

TAKE ONE OF THE FOLLOWING ZOOLOGY COURSES WITH ITS CORRESPONDING LAB.  
BIO 3307/L307, BIO 4405, BIO 4420, BIO 4447/L447, BIO 4471/L471

**ECOLOGY/ENVIRONMENTAL 3/1 HOURS**

TAKE ONE OF THE FOLLOWING ECOLOGY/ENVIRONMENTAL COURSES WITH ITS  
CORRESPONDING LAB.  
BIO 4413/L413, BIO 4416/L416, BIO 4421/L421, OR BIO 4479/L479

**PHYSIOLOGY/CELL/MOLECULAR 3/1 HOURS**

TAKE ONE OF THE FOLLOWING PHYSIOLOGY/CELL/MOLECULAR COURSES WITH  
ITS CORRESPONDING LAB.  
BIO 3347/L347, BIO 3348/L348, BIO 3372/L372, BIO 3382/L382, BIO 3386/L386,  
BIO 4414/L414, BIO 4451/L451, BIO 4480/L480, OR BIO 4482/L482

**MAJOR ELECTIVE 3/1 HOURS**

SELECT ONE UPPER-LEVEL (3000-4000) ADVISOR-APPROVED BIOLOGY COURSE  
AND ITS CORRESPONDING LAB.

**MINOR (18 HOURS)**

AT LEAST ONE 18 SEMESTER HOUR MINOR IS REQUIRED TO COMPLETE THIS DEGREE  
PROGRAM. ADDITIONAL MAJORS ARE ACCEPTABLE.