

**MY DEGREE MAP**  
**COLLEGE OF ARTS AND SCIENCES RECOMMENDED ACADEMIC PLAN**  
**BIOLOGY PROGRAM – GENERAL BIOLOGY**  
**PROGRAM YEAR 2018-2019**

Fall Semester	Hours	Spring Semester	Hours
Troy 1101	1	ENG 1102/04	3
ENG 1101/03	3	BIO 1101/lab	3/1
MTH 1125	4	CHM 1143/Lab	3/1
BIO 1100/Lab	3/1	IS 2241	3
CHM 1142/Lab	3/1	FREE ELEC	1
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>15</b>
Fall Semester	Hours	Spring Semester	Hours
AREA II LIT COURSE	3	MTH 2210	3
CHM 3342/LAB	3/1	AREA II HUM/FA COURSE	3
AREA IV HIS COURSE	3	CHM 3343/LAB	3/1
BIO 2220/LAB	3/1	APPROVED BIO/LAB ELEC	3/1
FREE ELEC	1		
<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>14</b>
Fall Semester	Hours	Spring Semester	Hours
AREA V PHY/LAB COURSE	3/1	AREA V PHY/LAB COURSE	3/1
BIO 2229/LAB	3/1	BIO 3320/LAB	3/1
REQ BOTANY ELEC	3/1	REQ ZOOLOGY ELEC	3/1
AREA IV SS COURSE	3	AREA IV SS COURSE	3
<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>15</b>
Fall Semester	Hours	Spring Semester	Hours
REQ ECOL/ENV ELEC	3/1	REQ PHY/CELL/MOL ELEC	3/1
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
		AREA IV SS COURSE	3
<b>FILE YOUR INTENT TO GRADUATE</b>			
<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>15</b>
<b>Minimum number of hours required for this major :</b>		<b>TOTAL 120 Hours</b>	



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COMPLETE ALL REQUIREMENTS (62 HOURS)

AREA I

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

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

AREA III

MTH 1125 CALCULUS I 4 HOURS  
MINIMUM GRADE OF "C" REQUIRED

TAKE 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 ANY THREE 1000-2000 LEVEL COURSES 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 REQUIRED. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT.

AREA V

TAKE THE FOLLOWING COURSES:  
BIO 1101/LAB ORGANISMAL BIOLOGY 3/1 HOURS  
CHM 1143/LAB GENERAL CHEMISTRY II/LAB 3/1 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  
PHY 2253/LAB GENERAL PHYSICS II  
OR  
PHY 2262/LAB GENERAL PHYSICS I WITH CALCULUS  
PHY 2263/LAB GENERAL PHYSICS II WITH CALCULUS

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 OF SCIENCES OR CURRENT CATALOG FOR OTHER REQUIREMENTS NOT COVERED IN THIS DOCUMENT. NOTES: A SEQUENCE IN LITERATURE OR HISTORY IS REQUIRED. PLEASE CONSIDER THIS REQUIREMENT. WHEN SELECTING COURSEWORK IN AREAS II OR IV.

## COLLEGE OF ARTS AND SCIENCES RECOMMENDED ACADEMIC PLAN BIOLOGY PROGRAM – GENERAL BIOLOGY PROGRAM YEAR 2018-2019

**GENERAL BIOLOGY** (56 HOURS)  
2.0 GPA REQUIRED

TAKE THE FOLLOWING COURSES:

BIO	2220/L220	PRINCIPLES OF CELL BIOLOGY	3/1 HOURS
BIO	2229/L229	GENERAL ECOLOGY/LAB	3/1 HOURS
BIO	3320/L320	GENETICS/LAB	3/1 HOURS
BIO	4484	SENIOR SEMINAR IN BIOLOGICAL & ENVIRONMENTAL SCIENCES	1 HOUR
CHM	3342/L342	ORGANIC CHEMISTRY I/LAB	3/1 HOURS
CHM	3343/L343	ORGANIC CHEMISTRY II/LAB	3/1 HOURS
MTH	2210	APPLIED STATISTICS	3 HOURS

**BOTANY:**

TAKE ONE OF THE FOLLOWING BOTANY COURSES WITH ITS  
CORRESPONDING LAB: 3/1 HOURS  
BIO 3325/L325 OR BIO 4425

**ZOOLOGY:**

TAKE ONE OF THE FOLLOWING ZOOLOGY COURSES WITH ITS  
CORRESPONDING LAB: 3/1 HOURS  
BIO 3307/L307, BIO 4405/L405, BIO 4420, BIO 4447/L447, BIO 4471/L471

**ECOLOGY/ENVIRONMENTAL:**

TAKE ONE OF THE FOLLOWING ECOLOGY/ENVIRONMENTAL COURSES  
WITH ITS CORRESPONDING LAB: 3/1 HOURS  
BIO 4413/L413, BIO 4416/L416, BIO 4421/L421, BIO 4479/L479

**PHYSIOLOGY/CELL/MOLECULAR**

TAKE ONE OF THE FOLLOWING PHYSIOLOGY/CELL/MOLECULAR  
BIOLOGY COURSES WITH ITS CORRESPONDING LAB: 3/1 HOURS  
BIO 3347/L347, BIO 3348/L348, BIO 3372/L372, BIO 3382/L382,  
BIO 3386/L386, BIO 4414/L414, BIO 4451/L451, BIO 4480/L480, BIO 4482/L482

**MAJOR ELECTIVES**

TAKE 16 ADDITIONAL HOURS OF BIO OR MB COURSE. THE 16 HOURS  
CHOSEN SHOULD BE BASED ON THE STUDENT'S FUTURE PLANS FOR  
EMPLOYMENT, GRADUATE SCHOOL, OR PROFESSIONAL SCHOOL. 16 HOURS  
\*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 ELECTIVES REQUIREMENT**

TAKE 2 HOURS OF FREE ELECTIVE CREDIT 2 HOURS