

## MY DEGREE MAP

### COLLEGE OF ARTS AND SCIENCE APPROVED ACADEMIC PLAN

#### BIOLOGY MAJOR – PROGRAM YEAR 2014-2015

	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5			
	<b>1<sup>ST</sup> YEAR</b>	ENG 1101/03	3	AREA II, GRP 4 COURSE	3	ENG 1102/04	3	IS 2241	3	SELECT TWO: ART 1133, MUS 1131, DRA 2200		
MTH 1125		4	AREA IV, GRP 2 COURSE	3	BIO 1100/LAB	3/1	AREA IV, GRP 2 COURSE	3				
TOTALS		7	TOTALS		6	TOTALS		7	TOTALS		4	
FALL SEMESTER					SPRING SEMESTER					SUMMER SEMESTER		
TROY 1101		1	ART 1133 OR MUS 1131 OR DRA 2200		2	ENG 1102/04	3	ART 1133 OR MUS 1131 OR DRA 2200		2	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN	
ENG 1101/03		3	AREA IV, GRP 2 COURSE		3	BIO 1100/LAB	3/1	IS 2241		3		
MTH 1125		4	AREA II, GRP 4 COURSE		3							
AREA II, GRP 4 COURSE	3											
TOTALS					16	TOTALS					15	
<b>2<sup>ND</sup> YEAR</b>	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5			
	AREA II, GRP 3 LIT COURSE	3	AREA IV, GRP 2 COURSE	3	CHM 1143/LAB	3/1	BIO 2200/LAB	3/1	AREA IV HISTORY		3	
	CHM 1142/LAB	3/1	BIO 1101/LAB	3/1	MTH 2210	3	COM 2241	3	MINOR COURSE		3	
	TOTALS		7	TOTALS		7	TOTALS		7	TOTALS		6
	FALL SEMESTER					SPRING SEMESTER					SUMMER SEMESTER	
	AREA II, GRP 3 LIT	3	BIO 1101/LAB	3/1	MTH 2210	3	BIO 2220/LAB	3/1	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN			
	CHM 1142/LAB	3/1	AREA IV, GRP 2 COURSE		3	COM 2241	3	MINOR COURSE			3	
AREA IV HISTORY	3				CHM 1143/LAB	3/1						
TOTALS					17	TOTALS					17	
<b>3<sup>RD</sup> YEAR</b>	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5			
	AREA V PHYSICS	4	CHM 3342/LAB	3/1	AREA V PHYSICS CRSE/LAB	4	BIO 3320/LAB	3/1				
	MINOR COURSE	3	BIO 2229/LAB	3/1	MINOR COURSE	3	CHM 3343/LAB	3/1				
	TOTALS		7	TOTALS		8	TOTALS		8	TOTALS		0
	FALL SEMESTER					SPRING SEMESTER					SUMMER SEMESTER	
	AREA V PHYSICS CRSE/LAB	4	MINOR COURSE	3	AREA V PHYSICS CRSE/LAB	4	MINOR COURSE	3	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN			
	BIO 2229/LAB	3/1	CHM 3342/LAB	3/1	CHM 3343/LAB	3/1	BIO 3320/LAB	3/1				
TOTALS					15	TOTALS					15	
<b>4<sup>TH</sup> YEAR</b>	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5			
	APPROVED BIO/LAB COURSE	3/1	APPROVED BIO/LAB COURSE	3/1	APPROVED BIO/LAB COURSE	3/1	APPROVED BIO/LAB COURSE	3/1				
	MINOR COURSE	3	MINOR COURSE	3	MINOR COURSE	3	APRVD BIO/LAB ELEC	3/1				
	TOTALS		7	TOTALS		7	TOTALS		8	TOTALS		0
	FALL SEMESTER					SPRING SEMESTER					SUMMER SEMESTER	
	APPROVED BIO/LAB COURSE	3/1	MINOR COURSE	3	APPROVED BIO/LAB COURSE	3/1	MINOR COURSE	3	SELECT CRSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS 4 TERMS OR CRSES SUCH AS PREREQUISITE CRSES OR CRSES TO BE RETAKEN			
	APPROVED BIO/LAB COURSE	3/1	APPROVED BIO/LAB COURSE	3/1	APRVD BIO/LAB ELEC	3/1	MINOR COURSE	3				
FILE YOUR INTENT TO GRADUATE FOR SPRING												
TOTALS					15	TOTALS					14	

**COLLEGE OF ARTS AND SCIENCE APPROVED ACADEMIC PLAN  
BIOLOGY MAJOR - PROGRAM YEAR 2014-2015**

**COMPLETE ALL 6 SUB-REQUIREMENTS**

**(63 HOURS)**

**A. AREA I:**

MINIMUM GRADE OF "C" REQUIRED

ENG-1101 COMP AND MODERN ENGLISH I

3 HOURS

ENG-1102 COMP AND MODERN ENGLISH II

3 HOURS

**B. AREA II:**

GROUP 1: TAKE COM 2241 FUNDAMENTALS OF SPEECH

3 HOURS

GROUP 2: SELECT TWO COURSES FROM ART 1133\*, MUS 1131\*  
OR DRA 2200

4 HOURS

GROUP 3: TAKE THREE SEMESTER HOURS FROM THE FOLLOWING:  
ENG 2205\*, ENG 2206\*, ENG 2211, ENG 2212, ENG 2244, ENG 2245

3 HOURS

GROUP 4: TAKE THREE SEMESTER HOURS FROM THE FOLLOWING:  
CLA 2260\*, ENG 2205\*, ENG 2206\*, ENG 2211, ENG 2212, ENG 2244,  
ENG 2245, FRN 1101\*, GER 1121\*, GRK 1111\*, IDS 2200, LAT 1131,  
PHI 2203, PHI 2204, ANT 2280\* OR SPN 1141\*

3 HOURS

**C. AREA III:**

GROUP 1: TAKE BIO 1100/L100 GENERAL BIOLOGY W/LAB

3/1 HOURS

GROUP 2: TAKE MTH 1125 CALCULUS I ("C" OR BETTER REQUIRED)

4 HOURS

**D. AREA IV:**

GROUP 1: TAKE THREE SEMESTER HOURS FROM THE FOLLOWING:  
HIS 1101, HIS 1102, HIS 1111, HIS 1112, HIS 1122\* OR HIS 1123\*

3 HOURS

GROUP 2: TAKE THREE COURSES FROM THE FOLLOWING:  
ANT 2200\*, GEO 2210\*, HIS 1101, HIS 1102, HIS 1111, HIS 1112,  
HIS 1122\*, HIS 1123\*, POL 2260, POL 2241, PSY 2200, PSY 2210,  
IDS 2200, LDR 1100, OR SOC 2275

9 HOURS

**E. AREA V:**

TAKE THE FOLLOWING COURSES:

BIO 1101/L101 ORGANISMAL BIOLOGY W/LAB

3/1 HOURS

CHM 1143/L143 GENERAL CHEMISTRY W/LAB

3/1 HOURS

IS 2241 COMPUTER CONCEPTS AND APPLICATIONS

3 HOURS

TROY 1101 UNIVERSITY ORIENTATION

1 HOUR

TAKE ONE PHYSICS SEQUENCE:

PHY 2252/L252 GENERAL PHYSICS I W/ LAB  
AND

3/1 HOURS

PHY 2253/L253 GENERAL PHYSICS II W/LAB  
OR

3/1 HOURS

PHY 2262/L262 PHYSICS I WITH CALCULUS W/LAB  
AND

3/1 HOURS

PHY 2263/L263 PHYSICS II WITH CALCULUS W/LAB

3/1 HOURS

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 50% OF REQUIRED COURSEWORK MUST BE EARNED AT A SENIOR INSTITUTION.

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 SORRELL COLLEGE OF ARTS & SCIENCE 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. COURSEWORK MARKED WITH AN ASTERISK (\*) ARE INTERNATIONAL COURSES. SIX HOURS OF INTERNATIONAL COURSEWORK IS REQUIRED. CONSIDER THIS REQUIREMENT WHEN SELECTING COURSEWORK IN AREAS II AND IV.

**COLLEGE OF ARTS AND SCIENCE APPROVED ACADEMIC PLAN  
BIOLOGY MAJOR - PROGRAM YEAR 2014-2015**

**BIOLOGY MAJOR (43 HOURS)**

2.0 GPA REQUIRED

TAKE THE FOLLOWING COURSES:

BIO 2220/L220	PRINCIPLES OF CELL BIOLOGY W/LAB	3/1 HOURS
BIO 2229/L229	GENERAL ECOLOGY W/LAB	3/1 HOURS
BIO 3320/L320	GENETICS W/LAB	3/1 HOURS
CHM 3342/L342	ORGANIC CHEMISTRY I W/LAB	3/1 HOURS
CHM 3343/L343	ORGANIC CHEMISTRY II W/LAB	3/1 HOURS
MTH 2210	APPLIED STATISTICS	3 HOURS

**BOTANY**

TAKE ONE OF THE FOLLOWING BOTANY COURSES WITH CORRESPONDING LAB:

BIO 3325/L325	PLANT FORM AND FUNCTION W/LAB	3/1 HOURS
BIO 3326/L326	PLANT DIVERSITY W/LAB	3/1 HOURS
BIO 4425	FIELD BOTANY	4 HOURS

**ZOOLOGY**

TAKE ONE OF THE FOLLOWING ZOOLOGY COURSES WITH CORRESPONDING LAB:

BIO 3307/L307	INVERTEBRATE ZOOLOGY W/LAB	3/1 HOURS
BIO 3308/L308	VERTEBRATE ZOOLOGY W/LAB	3/1 HOURS
BIO 4405/L405	ENTOMOLOGY W/LAB	3/1 HOURS
BIO 4420	FIELD VERTEBRATE ZOOLOGY	4 HOURS
BIO 4432/L432	COMPARATIVE VERTEBRATE ANATOMY W/LAB	3/1 HOURS
BIO 4445/L445	ICHTHYOLOGY W/LAB	3/1 HOURS
BIO 4446/L446	HERPETOLOGY W/LAB	3/1 HOURS
BIO 4447/L447	ORNITHOLOGY W/LAB	3/1 HOURS
BIO 4448/L448	MAMMALOLOGY W/LAB	3/1 HOURS
BIO 4471/L471	PARASITOLOGY W/LAB	3/1 HOURS

**ECOLOGY/ENVIRONMENTAL**

TAKE ONE OF THE FOLLOWING ECOLOGY/ENVIRONMENTAL COURSES WITH CORRESPONDING LAB:

BIO 2202/L202	PRINCIPLES OF ENVIRONMENTAL SCIENCE W/LAB	3/1 HOURS
BIO 4413/L413	LIMNOLOGY W/LAB	3/1 HOURS
BIO 4416/L416	MICROBIAL ECOLOGY W/LAB	3/1 HOURS
BIO 4421/L421	POPULATION ECOLOGY W/LAB	3/1 HOURS
BIO 4479/L479	ENVIRONMENTAL ASSESSMENT W/LAB	3/1 HOURS

**PHYSIOLOGY/CELL/MOLECULAR**

TAKE ONE OF THE FOLLOWING PHYSIOLOGY/CELL/MOLECULAR BIOLOGY COURSES WITH CORRESPONDING LAB:

BIO 3347/L347	HUMAN ANATOMY AND PHYSIOLOGY I W/LAB	3/1 HOURS
BIO 3348/L348	HUMAN ANATOMY AND PHYSIOLOGY II W/LAB	3/1 HOURS
BIO 3372/L372	MICROBIOLOGY W/LAB	3/1 HOURS
BIO 3382/L382	IMMUNOLOGY W/LAB	3/1 HOURS
BIO 3386/L386	HEMATOLOGY W/LAB	3/1 HOURS
BIO 4414/L414	FOOD MICROBIOLOGY W/LAB	3/1 HOURS
BIO 4430/L430	APPLIED GENETICS W/LAB	3/1 HOURS
BIO 4433/L433	EMBRYOLOGY W/LAB	3/1 HOURS
BIO 4451/L451	TOXICOLOGY W/LAB	3/1 HOURS
BIO 4478/L478	CELL BIOLOGY W/LAB	3/1 HOURS
BIO 4480/L480	HISTOLOGY W/LAB	3/1 HOURS
BIO 4482/L482	MOLECULAR BIOLOGY W/LAB	3/1 HOURS

**MAJOR ELECTIVES**

TAKE ONE UPPER-LEVEL (3000-4000) ADVISER-APPROVED BIOLOGY COURSE AND ITS CORRESPONDING LAB

**MINOR:**

**(18 HOURS)**

AT LEAST ONE 18 SEMESTER HOUR MINOR IS REQUIRED TO COMPLETE THE DEGREE PROGRAM  
(ADDITIONAL MAJORS ARE ALSO ACCEPTABLE.)