

MY DEGREE MAP

TROY UNIVERSITY

College of Arts and Sciences Approved Academic Plan

Biology Program - Program Year 2013-2014

1 st Semester/Term 1-2		2 nd Semester/Term 3-4		3 rd Semester/T5	
Hours		Hours		Hours	
Troy 1101 University Orientation	1	ENG 1102/04 Comp/Mod English II	3	Select courses that have not been completed from the previous 2 semesters/ 4 terms or courses such as prerequisite courses or courses to be retaken	
ENG 1101/03 Comp/Mod English I#	3	BIO 1100 Principles of Bio and Lab	4		
MTH 1125 Calculus I#	4	AREA IV, Group 2 elective**	3		
AREA II, Group 4 elective	3	ART 1133* or MUS 1131* DRA 2200	2		
ART 1133* or MUS 1131* or DRA 2200	2	IS 2241 Computer Concepts/Applications	3		
AREA IV, Group 2 elective**	3				
TOTAL	16	TOTAL	15		
3 rd Semester/Term 1-2		4 th Semester/Term 3-4		3 rd Semester/T5	
Hours		Hours		Hours	
AREA II, Group 3 literature elective	3	MTH 2210 Applied Stats	3	Select courses that have not been completed from the previous 2 semesters/ 4 terms or courses such as prerequisite courses or courses to be retaken	
CHM 1142/lab Gen Chem I/lab	4	COM 2241 Fundamentals of Speech	3		
History Course from AREA IV	3	CHM 1143/lab Gen Chem II/lab	4		
BIO 1101/lab Organismal Bio/lab	4	BIO 2220/lab Prin Cell Bio/lab	4		
AREA IV, Group 2 elective**	3	Free electives	2		
TOTAL	17	TOTAL	16		
5 th Semester/Term 1-2		6 th Semester/Term 3-4		3 rd Semester/T5	
Hours		Hours		Hours	
AREA V Physics course/lab	4	AREA V Physics course/lab	4	Select courses that have not been completed from the previous 2 semesters/ 4 terms or courses such as prerequisite courses or courses to be retaken	
BIO 2229/lab Gen Ecology/lab	4	CHM 3343/lab Organic Chem II/lab	4		
CHM 3342/lab Organic Chem I/lab	4	BIO 3320/lab Genetics/lab	4		
Approved biology/lab elective	4	Approved biology/lab elective	4		
TOTAL	16	TOTAL	16		
7 th Semester/Term 1-2		8 th Semester/Term 3-4		3 rd Semester/T5	
Hours		Hours		Hours	

Approved biology/lab elective	4	Approved biology/lab elective	4	Select courses that have not been completed from the previous 2 semesters/ 4 terms or courses such as prerequisite courses or courses to be retaken
Approved biology/lab elective	4	Approved biology/lab elective	4	
Approved biology/lab elective	4	Approved biology/lab elective	4	
TOTAL	12	TOTAL	12	
Minimum number of hours required for this degree:				TOTAL 120 Hours

*Indicates an international scope class (6 hours required)

**A sequence is required in either literature or history. Make selections from AREA II and IV accordingly.

Indicates courses which require approved placement scores

Courses in **BOLD** require a grade of C or above.

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 College of Arts and Sciences or current catalog for other requirements not covered in this document.

Approved by the AEC 01/14

General Studies: Biology Program Majors (63 Hours)

Complete all 6 subrequirements

A: AREA I:

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, 3 hours
ENG 2244, ENG 2245,

Group 4: Take three semester hours from the following: 3 hours
*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

C. AREA III:

Take the following courses:

MTH 1125	Calculus I	4 hours
CHM 1142/L	General Chemistry with Lab	3/1 hours
BIO 1100/L	Principles of Biology/Lab	3/1 hours

D. AREA IV:

Group 1: Take three hours from the following: HIS 1101, 3 hours
HIS 1102, HIS 1111, HIS 1112, HIS 1122
Or HIS 1123

Group 2: Take nine semester hours from the following: 9 hours
ANT 2200, *ECO 2251, *ECO 2252, *GEO 2210,
HIS 1101, HIS 1102, HIS 1111, HIS 1112, HIS 1122,
HIS 1123, IDS 2200, *POL 2260, POL 2241,
PSY 2200, PSY 2210 or SOC 2275

E. AREA V:

Take the following courses:

BIO 1101/L	Organismal Biology/Lab	3/1 hours
CHM 1143/L	General Chemistry II/Lab	3/1 hours
IS 2241	Computer Concepts & Applications	3 hours
TROY 1101	University Orientation	1 hour

- F. AREA V: Continued
 Take one sequence: PHY 2252/L and PHY 2253/L 8 hours
 OR
 PHY 2262/L and PHY 2263/L

Biology/General Concentration - Program Year 2013-2014 (55 hours)

A. Take the following courses:

BIO 2220/L	Principles of Cell Biology/Lab	3/1 hours
BIO 2229/L	General Ecology/Lab	3/1 hours
BIO 3320/L	Genetics/Lab	3/1 hours
CHM 3342/L	Organic Chemistry I/Lab	3/1 hours
CHM 3343/L	Organic Chemistry II/Lab	3/1 hours
BIO 4485	Prin & Mthd for Lab Assistant	1 hour
MTH 2210	Applied Statistics	3 hours

B. Take one botany course with tis corresponding lab: BIO 3325/L,
 BIO 3326/L, BIO 4402, BIO 4425. 3/1 hours

C. Take one Zoology course with its corresponding lab: BIO 3307/L,
 BIO 3308/L, BIO 4405/L, BIO 4410/L, BIO 4420/L, BIO 4432/L,
 BIO 4445/L, BIO 4446/L, BIO 4447/L, BIO 4448/L, or BIO 4471/L
 . 3/1 hours

D. Take one ecology/environmental course with its corresponding lab:
 BIO 4413/L, BIO 4416/L, BIO 4421/L, or BIO 4479/L. 3/1 hours

E. Take one physiology/cell/molecular course with its corresponding lab:
 BIO 3347/L, BIO 3348/L, BIO 3372/L, BIO 3382/L, BIO 3386/L,
 BIO 4414/L, BIO 4430/L, BIO 4433/L, BIO 4451/L, BIO 4480/L,
 or BIO 4482/L. 3/1 hours

F. Major Electives: Take 16 additional hours of BIO or MB courses.
The 16 hours chosen should be based on the student's future plans
for employment, graduate school, or professional school. 16 hours

Free Electives: Complete two hours of free electives 1 hours