

# My Degree Map TROY UNIVERSITY

## College of Education Recommended Academic Plan Biology Education - Program Year 2013-2014

1 <sup>st</sup> Semester/Term 1-2	Hours	2 <sup>nd</sup> Semester/Term 3-4	Hours
Troy 1101 University Orientation	1	<b>ENG 1102/04 Comp/Mod English II</b>	3
<b>ENG 1101/03 Comp/Mod English I#</b>	3	BIO 1100 Principles of Bio and Lab	4
<b>MTH 1125 Calculus I#</b>	4	AREA IV, Group 2 course option**	3
AREA II, Group 4 course option**	3	ART 1133* or MUS 1131* or DRA 2200	2
ART 1133* or MUS 1131* or DRA 2200	2	IS 2241 Computer Concepts/Applications	3
AREA IV, Group 2 course option**	3		
TOTAL	16	TOTAL	15
3 <sup>rd</sup> Semester/Term 1-2	Hours	4 <sup>th</sup> Semester/Term 3-4	Hours
AREA II, Group 3 literature course option	3	<b>MTH 2210 Applied Stats</b>	3
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	<b>BIO 2220/lab Prin Cell Bio/lab</b>	4
AREA IV, Group 2 course option**	3	<b>BIO 3310 Professional Educator</b>	3
TOTAL	17	TOTAL	17
5 <sup>th</sup> Semester/Term 1-2	Hours	6 <sup>th</sup> Semester/Term 3-4	Hours
AREA V Physics course/lab	4	AREA V Physics course/lab	4
<b>BIO 2229/lab Gen Ecology/lab</b>	4	<b>CHM 3343/lab Organic Chem II/lab</b>	4
<b>CHM 3342/lab Organic Chem I/lab</b>	4	<b>BIO 3320/lab Genetics/lab</b>	4
<b>PSY 3303 Educational Psychology</b>	3	<b>EDU 3305 Microcomputers in Education</b>	3
<b>SPE 3340 Diverse Learners</b>	3		
TOTAL	18	TOTAL	15
7 <sup>th</sup> Semester/Term 1-2	Hours	8 <sup>th</sup> Semester/Term 3-4	Hours
<b>Approved biology/lab elective</b>	4	<b>Approved biology/lab elective</b>	4
<b>Approved biology/lab elective</b>	4	<b>Approved biology/lab elective</b>	4
<b>Approved biology/lab elective</b>	4	<b>BIO 4481 Methods/Mat Sec Teacher</b>	3
<b>SED 4000 Classroom Management</b>	3	<b>EDU 4471 Curriculum/Instruct Delivery</b>	3
<b>SED 3346 Educational Assessment</b>	3	<b>RED 4484 Language/Literary IV</b>	3
TOTAL	18	TOTAL	17
9 <sup>th</sup> Semester/Term 1-2	Hours	*Indicates an international scope class (6 hours required). **A sequence is required in either literature or history. #Indicates courses which require approved placement scores. Courses in <b>BOLD</b> 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 must be completed in residency with Troy University. At least 12 semester hours of residency must be completed in each major field of study. A minimum GPA of 2.75 and in each major is required to graduate.	
<b>SED 4454 Intern Seminar Secondary</b>	3		
<b>BIO 4474 Internship Biology Education</b>	9		
TOTAL	12		
<b>TOTAL HOURS REQUIRED FOR DEGREE</b>		<b>145</b>	

**NOTE: Please consult the College of Education or current catalog for other requirements not covered in this document.**

## General Studies: Biology Education (63 Hours)

Complete all 6 subrequirements

### A: AREA I:

<b>ENG-1101 Comp and Modern English I</b>	<b>3 hours</b>
<b>ENG-1102 Comp and Modern English II</b>	<b>3 hours</b>

### 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:

Take the following courses:

<b>MTH 1125 Calculus I</b>	<b>4 hours</b>
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, HIS 1102, HIS 1111, HIS 1112, *HIS 1122 or *HIS 1123	3 hours
Group 2: Take nine semester hours from the following: *ANT 2200, *ECO 2251, *ECO 2252, *GEO 2210, HIS 1101, HIS 1102, HIS 1111, HIS 1112, *HIS 1122, *HIS 1123, IDS 2200, LDR 1100, *POL 2260, POL 2241, PSY 2200, PSY 2210 or SOC 2275	9 hours

### 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 of the following series:

PHY 2252/L252 and PHY 2253/L253 OR

**Biology Education - Program Year 2013-2014 - (43 hours)**

**A. Biology Major - Take the following courses:**

<b>BIO 2220/L</b>	<b>Principles of Cell Biology/Lab</b>	<b>3/1 hours</b>
<b>BIO 2229/L</b>	<b>General Ecology/Lab</b>	<b>3/1 hours</b>
<b>BIO 3320/L</b>	<b>Genetics/Lab</b>	<b>3/1 hours</b>
<b>CHM 3342/L</b>	<b>Organic Chemistry I/Lab</b>	<b>3/1 hours</b>
<b>CHM 3343/L</b>	<b>Organic Chemistry II/Lab</b>	<b>3/1 hours</b>
<b>MTH 2210</b>	<b>Applied Statistics</b>	<b>3 hours</b>

**B. Botany: Take one botany course with the corresponding lab:**

**BIO 3325/L, BIO 3326/L or BIO 4425. 3/1 hours**

**C. Zoology: Take one Zoology course with its corresponding lab:**

**BIO 3307/L, BIO 3308/L, BIO 4405/L, BIO 4420,  
BIO 4432/L, BIO 4445/L, BIO 4446/L, BIO 4447/L,  
BIO 4448/L, or BIO 4471/L 3/1 hours**

**D. Ecology/Environmental: Take one of the following ecology/  
Environmental courses with its corresponding lab.**

**BIO 2202/L, BIO 4413/L, BIO 4416/L, BIO 4421/L,  
or BIO 4479/L 3/1 hours**

**E. Physiology/Cell/Molecular: Take one of the following  
physiology/cell/molecular biology courses with  
corresponding lab: BIO 3347/L (3/1), BIO 3348/L (3/1),  
BIO 3372/L (3/1), BIO 3382/L (3/1), BIO 3386/L (3/1)  
BIO 4414/L (3/1), BIO 4430/L (3/1), BIO 4433/L (3/1),  
BIO 4451/L (3/1), BIO 4478/L (3/1), BIO 4480/L (3/1),  
or BIO 4482/L (3/1). 3/1 hours**

**F. Major Electives: Take one upper-level (3000-4000)  
Adviser-approved biology course and its corresponding  
lab. Grade of 'C' required in all courses in the major. 3/1 hours**

**Education Major – (39 hours)**

**Minimum grade of 'C' required in all course work in the major.**

**Take the following courses:**

<b>EDU 3305</b>	<b>Microcomputers in Education</b>	<b>3 hours</b>
<b>EDU 3310</b>	<b>The Professional Educator</b>	<b>3 hours</b>
<b>EDU 4471</b>	<b>Curriculum &amp; Instruction Design</b>	<b>3 hours</b>
<b>PSY 3303</b>	<b>Educational Psychology</b>	<b>3 hours</b>
<b>RED 4484</b>	<b>Language &amp; Literacy Learning IV</b>	<b>3 hours</b>
<b>SED 3346</b>	<b>Educational Assessment</b>	<b>3 hours</b>
<b>SED 4400</b>	<b>Classroom Management</b>	<b>3 hours</b>
<b>SPE 3340</b>	<b>Diverse Learners</b>	<b>3 hours</b>
<b>BIO 4481</b>	<b>Methods and Materials</b>	<b>3 hours</b>
<b>SED 4454</b>	<b>Internship Seminar</b>	<b>3 hours</b>

**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.**