

**My Degree Map  
TROY UNIVERSITY**

**College of Education Recommended Academic Plan  
Comprehensive General Science - 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	MTH 1126 Calculus II	4
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	16
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	COM 2241 Fundamentals of Speech	3
CHM 1142/lab Gen Chem I/lab	4	CHM 1143/lab Gen Chem II/lab	4
History Course from AREA IV	3	BIO 2220/lab Prin Cell Bio/lab	4
BIO 1101/lab Organismal Bio/lab	4	SCI 2234/lab Earth & Space Science/lab	4
AREA IV, Group 2 course option**	3	AREA IV, Group 2 course option**	3
TOTAL	17	TOTAL	18
5 <sup>th</sup> Semester/Term 1-2	Hours	6 <sup>th</sup> Semester/Term 3-4	Hours
PHY 2262/lab Physics I with Calculus	4	PHY 2263/lab Physics II with Calculus	4
CHM 3342/lab Organic Chem I/lab	4	CHM 3343/lab Organic Chem II/lab	4
BIO 3320/lab Genetics/lab	4	<b>MTH 2210 Applied Stats</b>	3
<b>EDU 3310 Professional Educator</b>	3	<b>PSY 3303 Educational Psychology</b>	3
TOTAL	15	TOTAL	14
5 <sup>th</sup> Semester/Term 1-2	Hours	6 <sup>th</sup> Semester/Term 3-4	Hours
CHM 3381/lab Physical Chemistry I/lab	4	PHY 3359/lab Optics	4
PHY 3310/lab Modern Physics/lab	4	BIO 3347/lab Human A & P I/lab	4
<b>SPE 3340 Diverse Learners</b>	3	<b>SED 3346 Educational Assessment</b>	3
<b>SED 4400 Classroom Management</b>	3	<b>EDU 3305 Microcomputers in Education</b>	3
TOTAL	14	TOTAL	14
7 <sup>th</sup> Semester/Term 1-2	Hours	8 <sup>th</sup> Semester/Term 3-4	Hours
PHY 4420 Mechanics	3	SED 4454 Internship Seminar for Sec	3
<b>SCI 4481 Meth/Mat Sec Teacher</b>	3	SCI 4474 Internship in Science Education	9
<b>EDU 4471 Curriculum/Instruct Delivery</b>	3		
<b>RED 4484 Language/Literacy IV</b>	3		
TOTAL	12	TOTAL	12
<b>Minimum number of hours required for this major</b>		<b>TOTAL 148</b>	

\*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.

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 of study.

A minimum GPA of 2.75 overall and in each major is required to graduate.

A **minimum** of 120 hours is required for all baccalaureate degree programs.

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

## General Studies: Comprehensive Science Education (55 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, *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, *POL 2260, POL 2241, PSY 2200, PSY 2210 or SOC 2275	9 hours

### E. AREA V:

Take the following courses:

IS 2241 Computer Concepts & Applications	3 hours
TROY 1101 University Orientation	1 hour
SCI 2234/L Earth Science/Lab	3/1 hours
PHY 2262/L Physics with Calculus I	3/1 hours

**Comprehensive Science Education - Program Year 2013-2014 - (54 hours)**

**Comprehensive Science Program - Take the following courses:**

<b>BIO 1101/L</b>	<b>Organismal Biology/Lab</b>	<b>3/1 hours</b>
<b>BIO 2220/L</b>	<b>Principles of Cell Biology/Lab</b>	<b>3/1 hours</b>
<b>BIO 3320/L</b>	<b>Genetics/Lab</b>	<b>3/1 hours</b>
<b>BIO 3347/L</b>	<b>Human Anatomy &amp; Physiology/Lab</b>	<b>3/1 hours</b>
<b>CHM 1143/L</b>	<b>General Chemistry II/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>CHM 3381/L</b>	<b>Physical Chemistry I/Lab</b>	<b>3/1 hours</b>
<b>PHY 2263/L</b>	<b>Physics II with Calculus/Lab</b>	<b>3/1 hours</b>
<b>PHY 3310/L</b>	<b>Modern Physics/Lab</b>	<b>3/1 hours</b>
<b>PHY 4420</b>	<b>Mechanics</b>	<b>3 hours</b>
<b>PHY 3359/L</b>	<b>Optics/Lab</b>	<b>3/1 hours</b>
<b>MTH 1126</b>	<b>Calculus II</b>	<b>4 hours</b>
<b>MTH 2210</b>	<b>Applied Statistics</b>	<b>3 hours</b>

**Education Major – (39 hours)**

**Minimum grade of ‘C’ required in all course work in the majors.**

**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>SCI 4481</b>	<b>Methods and Materials</b>	<b>3 hours</b>
<b>SED 4454</b>	<b>Internship Seminar</b>	<b>3 hours</b>
<b>SCI 4474</b>	<b>Internship</b>	<b>9 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.**