

**MY DEGREE MAP  
COLLEGE OF EDUCATION APPROVED ACADEMIC PLAN  
BIOLOGY EDUCATION-PROGRAM YEAR 2021-22**

THIS DOCUMENT IS PENDING STATE DEPARTMENT OF EDUCATION REVIEW

1ST SEMESTER		HRS	2ND SEMESTER		HRS
TROY 1101		1	ENG 1102/04		3
ENG 1101/03		3	AREA III SCI/LAB COURSE		3/1
BIO 1100/LAB		3/1	CHM 1143/LAB		3/1
MTH 1125		4	AREA IV HIS COURSE		3
CHM 1142/LAB		3/1	AREA II FINE ARTS COURSE		3
	<b>TOTAL</b>	<b>16</b>		<b>TOTAL</b>	<b>17</b>
3RD SEMESTER		HRS	4TH SEMESTER		HRS
AREA II LIT COURSE		3	CHM 3343/LAB		3/1
CHM 3342/LAB		3/1	AREA II HUM/FA COURSE		3
AREA IV SS COURSE		3	BIO 2229/LAB		3/1
BIO 2220		3	EDU 3305		3
EDU 3310		3	AREA II HUM/FA COURSE		3
			<b>ADMIT TO TEP</b>		
	<b>TOTAL</b>	<b>16</b>		<b>TOTAL</b>	<b>17</b>
5TH SEMESTER		HRS	6TH SEMESTER		HRS
AREA V PHY SEQ REQ/LAB		3/1	AREA V PHY SEQ REQ/LAB		3/1
STAT 2210		3	BIO 3320		3
SPE 3340		3	BOTANY COURSE/LAB		3/1
EDU 3303		3	EDU 4400		3
IS 2241		3			
	<b>TOTAL</b>	<b>16</b>		<b>TOTAL</b>	<b>14</b>
7TH SEMESTER		HRS	8TH SEMESTER		HRS
ECOLOGY/ENV COURSE/LAB		3/1	APPROVED MAJOR ELEC/LAB		3/1
PHYS/CELL/MOL COURSE/LAB		3/1	EDU 4471		3
ZOOLOGY COURSE/LAB		3/1	RED 4401		3
AREA IV SS COURSE		3	BIO 4481		3
			AREA IV SS COURSE		3
			<b>PRAXIS II: CONTENT AREA EXAM</b>		
	<b>TOTAL</b>	<b>15</b>		<b>TOTAL</b>	<b>16</b>
9TH SEMESTER		HRS			
BIO 4474		9			
SED 4454		3			
	<b>TOTAL</b>	<b>12</b>	<b>MINIMUM HOURS REQUIRED FOR DEGREE</b>		<b>139</b>
<b>SUBMIT GRADUATION APPLICATION</b>					

**NOTE: THE INFORMATION PROVIDED THROUGHOUT THIS DOCUMENT IS SUBJECT TO CHANGE DUE TO CHANGES IN ALABAMA STATE DEPARTMENT GUIDELINES.**



## COLLEGE OF EDUCATION APPROVED ACADEMIC PLAN BIOLOGY EDUCATION-PROGRAM YEAR 2021-22

**COMPLETE ALL REQUIREMENTS**

**(62 HOURS)**

**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

**AREA II**

TAKE ANY 1000-2000 LEVEL COURSE IN LITERATURE	3 HOURS
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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
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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
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**NOTE: A SEQUENCE IN LITERATURE OR HISTORY IS REQUIRED. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT.**

**AREA III**

TAKE MTH 1125 CALCULUS 1 MINIMUM GRADE OF "C" REQUIRED	4 HOURS
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BIO	1100/L100	PRINCIPLES OF BIOLOGY AND LAB	4 HOURS
CHM	1142/L142	GENERAL CHEMISTRY AND LAB	4 HOURS

**AREA IV**

TAKE ANY 1000-2000 LEVEL COURSE WITH A PRIMARY FOCUS IN HISTORY.	3 HOURS
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TAKE ANY THREE 1000-2000 LEVEL COURSES FROM THE FOLLOWING SOCIAL SCIENCES: ANTHROPOLOGY, ECONOMICS, GEOGRAPHY, HISTORY, POLITICAL SCIENCE, PSYCHOLOGY, SOCIOLOGY, LDR 1100, OR ADVISOR APPROVED COURSES (REQUIRING SUBSTITUTION FORM)	9 HOURS
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**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:

TROY	1101	THE UNIVERSITY EXPERIENCE	1 HOUR
IS	2241	COMPUTER CONCEPTS	3 HOURS
BIO	1101/L101	ORGANISMAL BIOLOGY AND LAB	4 HOURS
CHM	1143/L143	GENERAL CHEMISTRY II AND LAB	4 HOURS



## COLLEGE OF EDUCATION APPROVED ACADEMIC PLAN BIOLOGY EDUCATION-PROGRAM YEAR 2021-22

### AREA V CONTINUED:

TAKE ONE PHYSICS SEQUENCE: 8 HOURS  
 PHY 2252/L252 GENERAL PHYSICS I AND PHY 2253/L2543 GENERAL PHYSICS II  
 OR  
 PHY 2262/L263 GENERAL PHYSICS I WITH CALCULUS AND PHY 2263/L263  
 GENERAL PHYSICS II WITH CALCULUS

### **BIOLOGY MAJOR REQUIREMENTS (21 HOURS)** **2.75 GPA REQUIRED**

BIO	2220	PRIN CELL BIOLOGY	3 HOURS
BIO	2229/L229	GENERAL ECOLOGY W/LAB	4 HOURS
BIO	3320	GENETICS	3 HOURS
CHM	3342/L342	ORGANIC CHEMISTRY I W/LAB	4 HOURS
CHM	3343/L343	ORGANIC CHEMISTRY II W/LAB	4 HOURS
STAT	2210	INTRODUCTORY STATISTICS	3 HOURS

### **BOTANY (4 HOURS)**

TAKE BIO 3325/L325 OR BIO 4425

### **ZOOLOGY (4 HOURS)**

TAKE BIO 3307/L307, BIO 4405, BIO 4420, BIO 4447/L447,  
OR BIO 4471/L471

### **ECOLOGY/ENVIRONMENTAL (4 HOURS)**

TAKE BIO 4413/L413, BIO 4416/L416, BIO 4421/L421, OR BIO 4479/L479

### **PHYSIOLOGY/CELL/MOLECULAR (4 HOURS)**

TAKE BIO 3347/L347, BIO 3348/L348, BIO 3372/L372, BIO 3382/L382,  
BIO 3386/L386, BIO 4414/L414, BIO 4451/L451, BIO 4480/L480, OR  
BIO 4482/L482

### **MAJOR ELECTIVES (4 HOURS)**

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

### **PROFESSIONAL STUDIES (36 HOURS)**

(MINIMUM GRADE OF 'C' REQUIRED)

EDU	3310	INTRODUCTION TO EDUCATION	3 HOURS
EDU	3305	TEACHING WITH TECHNOLOGY	3 HOURS
EDU	4400	CLASSROOM MANAGEMENT	3 HOURS
EDU	4471	CURRICULUM & INSTRUCTION DELIVERY	3 HOURS
RED	4401	READING IN THE CONTENT AREAS	3 HOURS
EDU	3303	EDUCATIONAL PSYCHOLOGY& CLASSROOM ASSESSMENT	3 HOURS
SPE	3340	DIVERSE LEARNERS	3 HOURS
BIO	4481	METHODS AND MATERIALS FOR THE SECONDARY TEACHER	3 HOURS
SED	4454	INTERNSHIP SEMINAR	3 HOURS
BIO	4474	INTERNSHIP IN BIOLOGY	9 HOURS