

## MY DEGREE MAP COLLEGE OF EDUCATION APPROVED ACADEMIC PLAN BIOLOGY EDUCATION - PROGRAM YEAR 2019-2020

THIS DOCUMENT IS PENDING STATE DEPARTMENT OF EDUCATION REVIEW

1 <sup>ST</sup> SEMESTER		HOURS	2 <sup>ND</sup> SEMESTER		HOURS
TROY 1101		1	ENG 1102/04		3
ENG 1101/03		3	BIO 1101/LAB		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
	TOTAL	16		TOTAL	17
3 <sup>RD</sup> SEMESTER		HOURS	4 <sup>TH</sup> SEMESTER		HOURS
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/LAB		3/1	EDU 3305		3
EDU 3310		3	AREA II HUM/FA COURSE		3
			ADMIT TO TEP		
	TOTAL	17		TOTAL	17
5 <sup>TH</sup> SEMESTER		HOURS	6 <sup>TH</sup> SEMESTER		HOURS
AREA V PHY SEQ REQ/LAB		3/1	AREA V PHY SEQ REQ/LAB		3/1
STAT 2210		3	BIO 3320/LAB		3/1
SPE 3340		3	BOTANY COURSE/LAB		3/1
EDU 3303		3	EDU 4400		3
IS 2241		3			
	TOTAL	16		TOTAL	15
7 <sup>TH</sup> SEMESTER		HOURS	8 <sup>TH</sup> SEMESTER		HOURS
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
	TOTAL	15		TOTAL	16
9 <sup>TH</sup> SEMESTER		HOURS			
BIO 4474		9			
SED 4454		3			
	TOTAL	12			
FILE YOUR INTENT TO GRADUATE			MINIMUM HOURS REQUIRED FOR DEGREE		141

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

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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

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

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

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

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

TAKE ANY THREE 1000-2000 LEVEL COURSES FROM THE FOLLOWING SOCIAL SCIENCE DISCIPLINES: ANTHROPOLOGY, BUSINESS, CRIMINAL JUSTICE, ECONOMICS, GEOGRAPHY, HISTORY, HUMAN SERVICES, LEADERSHIP, INTERDISCIPLINARY STUDIES, NURSING, POLITICAL SCIENCE, PSYCHOLOGY, RELIGION, SOCIAL WORK, SOCIOLOGY, OR OTHER SOCIAL SCIENCE AREAS. 9 HOURS

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	UNIVERSITY ORIENTATION	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

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### 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 (23 HOURS) 2.75 GPA REQUIRED

BIO	2220/L220	PRIN CELL BIOLOGY W/LAB	4 HOURS
BIO	2229/L229	GENERAL ECOLOGY W/LAB	4 HOURS
BIO	3320/L320	GENETICS W/LAB	4 HOURS
CHM	3342/L342	ORGANIC CHEMISTRY I W/LAB	4 HOURS
CHM	3343/L343	ORGANIC CHEMISTRY II W/LAB	4 HOURS
STAT	2210	APPLIED STATISTICS	3 HOURS

### BOTANY (4 HOURS)

TAKE BIO 3325/L325 OR BIO 4425

### ZOOLOGY (4 HOURS)

TAKE BIO 3307/L307, BIO 4405/L405, 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