

**MY DEGREE MAP
COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN
BIOLOGY MAJOR-PROGRAM YEAR 2024-25**

1ST YEAR			
1ST SEMESTER	HRS	2ND SEMESTER	HRS
TROY 1101 OR TROY 1105	1	ENG 1102/04	3
ENG 1101/03	3	BIO 1101/LAB	3/1
MTH 1125	4	AREA II HUM/FA COURSE	3
AREA IV HIS COURSE	3	AREA IV SS COURSE	3
BIO 1100/LAB	3/1	IS 2241	3
TOTAL	15	TOTAL	16
2ND YEAR			
3RD SEMESTER	HRS	4TH SEMESTER	HRS
AREA II LIT COURSE	3	CHM 1143/LAB	3/1
BIO 2220	3	AREA IV SS COURSE	3
AREA II FINE ARTS COURSE	3	STAT 2210 OR BIO 3315	3
CHM 1142/LAB	3/1	MINOR COURSE	3
MINOR COURSE	3		
TOTAL	16	TOTAL	13
3RD YEAR			
5TH SEMESTER	HRS	6TH SEMESTER	HRS
BIO 2229/LAB	3/1	AREA V PHY/LAB SEQ	3/1
CHM 3342/LAB	3/1	BIO 3320	3
REQ BOTANY ELEC	3/1	CHM 3343/LAB	3/1
AREA V PHY/LAB SEQ	3/1	REQ ZOOLOGY ELEC	3/1
TOTAL	16	TOTAL	15
4TH YEAR			
7TH SEMESTER	HRS	8TH SEMESTER	HRS
REQ PHY/CELL/MOL/ELEC	3/1	BIO 4484	1
REQ ECOL/ENV ELEC	3/1	AREA IV SS COURSE	3
AREA II HUM/FA COURSE	3	APPROVED BIO/LAB ELEC	3/1
MINOR COURSE	3	MINOR COURSE	3
MINOR COURSE	3	MINOR COURSE	3
SUBMIT GRADUATION APPLICATION			
TOTAL	17	TOTAL	14
TOTAL PROGRAM			122

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COMPLETE ALL REQUIREMENTS

(62 HOURS)

AREA I

TAKE THE FOLLOWING COURSES:

ENG 1101	COMP AND MODERN ENGLISH I	3 HOURS
ENG 1102	COMP AND MODERN ENGLISH II	3 HOURS
MINIMUM GRADE OF "C" REQ		

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, NURSING, 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 REQ. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT.

AREA III

MTH 1125 CALCULUS 4 HOURS
MINIMUM GRADE OF "C" REQ

BIO 1100/L100 PRINCIPLES OF BIOLOGY W/ LAB 3/1 HOURS

CHM 1142/L142 GENERAL CHEMISTRY I W/ LAB 3/1 HOURS

AREA IV

TAKE ANY 1000-2000 LEVEL COURSE WITH A PRIMARY FOCUS IN HISTORY 3 HOURS

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

NOTE: A SEQUENCE IN LITERATURE OR HISTORY IS REQ. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT.

AREA V

IS 2241 COMPUTER CONCEPTS AND APPLICATIONS 3 HOURS

TROY 1101 OR TROY 1105 1 HOUR

BIO 1101/L101 ORGANISMAL BIOLOGY W/ LAB 3/1 HOURS

CHM 1143/L143 GENERAL CHEMISTRY II W/ LAB 3/1 HOURS

AREA V CONTINUED:

TAKE ONE PHYSICS SEQUENCE 8 HOURS

PHY 2252/L252 GENERAL PHYSICS I W/ LAB

PHY 2253/L253 GENERAL PHYSICS II W/ LAB

OR

PHY 2262/L252 GENERAL PHYSICS I WITH CALCULUS W/ LAB

PHY 2263/L253 GENERAL PHYSICS II WITH CALCULUS W/ LAB

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BIOLOGY MAJOR

(42 HOURS)

TAKE THE FOLLOWING COURSES:

2.0 GPA REQUIRED

BIO	2220	PRINCIPLES OF CELL BIOLOGY	3 HOURS
BIO	2229/L229	GENERAL ECOLOGY/LAB	3/1 HOURS
BIO	3320	GENETICS	3 HOURS
CHM	3342/L342	ORGANIC CHEMISTRY I/LAB	3/1 HOURS
CHM	3343/L343	ORGANIC CHEMISTRY II/LAB	3/1 HOURS
OR			
CHM	3352/L352	BIO CHEMISTRY/LAB	
STAT	2210	INTRODUCTORY STATISTICS OR BIO 3315 INTRODUCTION TO BIOSTATISTICS	3 HOURS
BIO	4484	SENIOR SEMINAR IN BIOLOGICAL & ENVIRONMENTAL SCIENCES	1 HOUR

BOTANY

3/1 HOURS

TAKE ONE OF THE FOLLOWING BOTANY COURSES WITH ITS CORRESPONDING LAB.
BIO 3325/L325 OR BIO 4425

ZOOLOGY

3/1 HOURS

TAKE ONE OF THE FOLLOWING ZOOLOGY COURSES WITH ITS CORRESPONDING LAB.
BIO 3307/L307, BIO 4405, BIO 4420, BIO 4447/L447, BIO 4471/L471

ECOLOGY/ENVIRONMENTAL

3/1 HOURS

TAKE ONE OF THE FOLLOWING ECOLOGY/ENVIRONMENTAL COURSES WITH ITS
CORRESPONDING LAB.
BIO 4413/L413, BIO 4416/L416, BIO 4421/L421, OR BIO 4479/L479

PHYSIOLOGY/CELL/MOLECULAR

3/1 HOURS

TAKE ONE OF THE FOLLOWING PHYSIOLOGY/CELL/MOLECULAR COURSES WITH
ITS CORRESPONDING LAB.
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 ELECTIVE

3/1 HOURS

SELECT ONE UPPER-LEVEL (3000-4000) ADVISOR-APPROVED BIOLOGY COURSE
AND ITS CORRESPONDING LAB.

MINOR

(18 HOURS)

AT LEAST ONE 18 SEMESTER HOUR MINOR IS REQUIRED TO COMPLETE THIS DEGREE
PROGRAM. ADDITIONAL MAJORS ARE ACCEPTABLE.