

MY DEGREE MAP
COLLEGE OF ARTS AND SCIENCES RECOMMENDED ACADEMIC PLAN
BIOLOGY PROGRAM-ECOLOGY & FIELD BIOLOGY CONCENTRATION
PROGRAM YEAR 2015-16

1 ST YEAR				
FALL SEMESTER	HRS	SPRING SEMESTER	HRS	SUMMER SEMESTER
TROY 1101	1	ENG 1102/04	3	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS 2 SEMESTERS OR COURSES SUCH AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN
ENG 1101/03	3	BIO 1101/LAB	3/1	
BIO 1100/LAB	3/1	CHM 1143/LAB	3/1	
CHM 1142/LAB	3/1	AREA II FINE ARTS COURSE	3	
MTH 1125	4			
TOTAL	16	TOTAL	14	
2 ND YEAR				
FALL SEMESTER	HRS	SPRING SEMESTER	HRS	SUMMER SEMESTER
BIO 2220/LAB	3/1	BIO 2229/LAB	3/1	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS 2 SEMESTERS OR COURSES SUCH AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN
CHM 3342/LAB	3/1	CHM 3343/LAB	3/1	
APPROVED MAJ ELEC	3/1	APPROVED MAJ ELEC	3/1	
AREA II LIT COURSE	3	AREA IV SS COURSE	3	
TOTAL	15	TOTAL	15	
3 RD YEAR				
FALL SEMESTER	HRS	SPRING SEMESTER	HRS	SUMMER SEMESTER
BIO 4421/LAB	3/1	APPROVED MAJ ELEC	3/1	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS 2 SEMESTERS OR COURSES SUCH AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN
BIO 3320/LAB	3/1	AREA V PHY COURSE/LAB	3/1	
AREA V PHY COURSE/LAB	3/1	MATH 2210	3	
IS 2241	3	FREE ELEC	2	
		AREA IV HIS COURSE	3	
TOTAL	15	TOTAL	16	
4 TH YEAR				
FALL SEMESTER	HRS	SPRING SEMESTER	HRS	SUMMER SEMESTER
BIO 4425	4	BIO 4420	4	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS 2 SEMESTERS OR COURSES SUCH AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN
APPROVED MAJ ELEC	4	APPROVED MAJ ELEC	4	
AREA II HUM/FA COURSE	3	BIO 4484	1	
AREA IV SS COURSE	3	AREA IV SS COURSE	3	
		AREA II HUM/FA COURSE	3	
TOTAL	14	TOTAL	15	
TOTAL				120



COLLEGE OF ARTS AND SCIENCES RECOMMENDED ACADEMIC PLAN BIOLOGY PROGRAM-ECOLOGY & FIELD BIOLOGY CONCENTRATION PROGRAM YEAR 2015-16

COMPLETE ALL 6 SUB-REQUIREMENTS

(62 HOURS)

A. AREA I:

TAKE THE FOLLOWING COURSES:

MINIMUM GRADE OF "C" REQUIRED

ENG 1101 COMP AND MODERN ENGLISH I

3 HOURS

ENG 1102 COMP AND MODERN ENGLISH II

3 HOURS

B. 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

3 HOURS

FINE ARTS, INCLUDING THE DISCIPLINES OF ART, MUSIC, THEATRE, FILM, OR OTHER FINE ARTS AREA.

TAKE ANY TWO 1000-2000 LEVEL COURSES WITH AN EXPANDED HISTORICAL AND CULTURAL

6 HOURS

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.

C. AREA III:

TAKE THE FOLLOWING COURSES:

BIO 1100/L100 PRINCIPLES OF BIOLOGY W/LAB

4 HOURS

CHM 1142/L142 GENERAL CHEMISTRY I W/LAB

4 HOURS

TAKE MTH 1125 CALCULUS I ("C" OR BETTER)

3 HOURS

D. AREA IV:

TAKE THE FOLLOWING COURSES:

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

3 HOURS

TAKE ANY THREE 1000 2000 LEVEL COURSE FROM THE FOLLOWING SOCIAL SCIENCE DISCIPLINES:

9 HOURS

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.

E. AREA V:

TAKE THE FOLLOWING COURSES:

BIO 1101/L101 ORGANISMAL BIOLOGY W/LAB

4 HOURS

CHM 1143/L143 GENERAL CHEMISTRY II W/LAB

4 HOURS

IS 2241 COMPUTER CONCEPTS & APPLICATIONS

3 HOURS

TROY 1101 UNIVERSITY ORIENTATION

1 HOUR

AREA V CONTINUED:

TAKE ONE PHYSICS SEQUENCE:

8 HOURS

PHY 2252/LAB GENERAL PHYSICS I

PHY 2253/LAB GENERAL PHYSICS II

OR

PHY 2262/LAB GENERAL PHYSICS I WITH CALCULUS

PHY 2263/LAB GENERAL PHYSICS II WITH CALCULUS



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BIOLOGY MAJOR/ECOLOGY AND FIELD BIOLOGY CONCENTRATION (24 HOURS)

MINIMUM 2.0 OVERALL GPA REQUIRED

TAKE THE FOLLOWING COURSES:

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
BIO	4484	SENIOR SEMINAR IN BIOLOGICAL & ENVIRONMENTAL SCIENCE	1 HOUR
CHM	3342/L342	ORGANIC CHEMISTRY I W/LAB	4 HOURS
CHM	3343/L343	ORGANIC CHEMISTRY II W/LAB	4 HOURS
MTH	2210	APPLIED STATISTICS	3 HOURS

ECOLOGY AND FIELD BIOLOGY (4 HOURS)

TAKE THE FOLLOWING COURSES:

BIO	4420	FIELD VERTEBRATE ZOOLOGY	4 HOURS
BIO	4421/L421	POPULATION ECOLOGY/LAB	4 HOURS
BIO	4425	FIELD BOTANY	4 HOURS

TAKE 12 HOURS (THREE COURSES WITH LABS) FROM THE THREE CATEGORIES BELOW. AT LEAST ONE COURSE MUST BE TAKEN FROM EACH OF THE THREE CATEGORIES. 12 HOURS

ZOOLOGY: (4 HOURS)

TAKE ONE OF FOLLOWING COURSES:

BIO	3307/L307	INVERTEBRATE ZOOLOGY W/LAB	4 HOURS
OR			
BIO	4405/L405	ENTOMOLOGY W/LAB	4 HOURS

BOTANY: (4 HOURS)

TAKE THE FOLLOWING COURSE:

BIO	3325/L325	PLANT FORM AND FUNCTION W/LAB	4 HOURS
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ECOLOGY: (4 HOURS)

TAKE ONE OF THE FOLLOWING ECOLOGY COURSES:

BIO	4413/L413	LIMNOLOGY W/LAB	4 HOURS
BIO	4479/L479	ENVIRONMENTAL ASSESSMENT W/LAB	4 HOURS

MAJOR ELECTIVES: (8 HOURS)

TAKE AN ADDITIONAL 8 HOURS OF ADVISER-APPROVED BIO OR MB COURSES
(BIO 4476, 4491, 4492, 4493, AND 4494 MAY ONLY BE TAKEN FOR A MAXIMUM OF 6 HOURS) 8 HOURS

FREE ELECTIVES REQUIREMENT (2 HOURS)

TAKE 2 SEMESTER HOURS OF FREE ELECTIVE CREDIT. 2 HOURS