

**MY DEGREE MAP
COLLEGE OF ARTS AND SCIENCES RECOMMENDED ACADEMIC PLAN
BIOLOGY PROGRAM-FOOD SAFETY CONCENTRATION
PROGRAM YEAR 2018-2019**

1ST 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	AREA II FINE ARTS COURSE	3	
MTH 1125	4	CHM 1143/LAB	3/1	
BIO 1100/LAB	3/1	BIO 1101/LAB	3/1	
CHM 1142/LAB	3/1			
TOTAL	16	TOTAL	14	
2ND YEAR				
FALL SEMESTER	HRS	SPRING SEMESTER	HRS	SUMMER SEMESTER
AREA II LIT COURSE	3	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
BIO 2220/LAB	3/1	AREA II HUM/FA COURSE	3	
CHM 3342/LAB	3/1	CHM 3343/LAB	3/1	
MTH 2210	3	AREA V PHY/LAB	3/1	
AREA IV SS COURSE	3			
TOTAL	17	TOTAL	15	
3RD YEAR				
FALL SEMESTER	HRS	SPRING SEMESTER	HRS	SUMMER SEMESTER
AREA V PHY/LAB	3/1	AREA II HUM/FA COURSE	3	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 IV SS COURSE	3	
AREA IV SS COURSE	3	REQ MAJ COURSE/LAB	3/1	
AREA IV HIS COURSE	3	REQ MAJ COURSE	3	
FREE ELEC	2	APPROVED MAJ ELEC	3	
TOTAL	16	TOTAL	16	
4TH YEAR				
FALL SEMESTER	HRS	SPRING SEMESTER	HRS	SUMMER SEMESTER
REQ MAJ COURSE/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
REQ MAJ COURSE/LAB	3/1	REQ MAJ COURSE	3	
IS 2241	3	REQ MAJ COURSE/LAB	3/1	
REQ MAJ COURSE	3	BIO 4484	1	
<small>FILE YOUR INTENT TO GRADUATE</small>	TOTAL	TOTAL	12	
			TOTAL	120

COLLEGE OF ARTS AND SCIENCES RECOMMENDED ACADEMIC PLAN BIOLOGY PROGRAM-FOOD SAFETY CONCENTRATION PROGRAM YEAR 2018-2019

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 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

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: 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

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 AND PHY 2253/LAB GENERAL PHYSICS II

OR

PHY 2262/LAB GENERAL PHYSICS I WITH CALCULUS AND PHY 2263/LAB GENERAL PHYSICS II WITH CALCULUS



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BIOLOGY MAJOR/GENERAL 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

FOOD SAFETY CONCENTRATION (25 HOURS)

TAKE THE FOLLOWING COURSES:

BIO	3372/L372	MICROBIOLOGY/LAB	4 HOURS
BIO	4414/L414	FOOD MICROBIOLOGY/LAB	4 HOURS
BIO	4451/L451	TOXICOLOGY/LAB	4 HOURS
BIO	4418	FOOD LAWS & REGULATIONS	3 HOURS
CHM	3352/L352	BIOCHEMISTRY/LAB	4 HOURS
HSTM	4466	RESTAURANT MANAGEMENT	3 HOURS
NSG	2211	HUMAN NUTRITION	3 HOURS

MAJOR ELECTIVES: (7 HOURS)

TAKE 7 OR MORE HOURS FROM THE FOLLOWING:

BIO	3340	EVOLUTION	3 HOURS
BIO	3382/L382	IMMUNOLOGY W/LAB	4 HOURS
BIO	4416/L416	MICROBIAL ECOLOGY W/LAB	4 HOURS
BIO	4471/L471	PARASITOLOGY W/LAB	4 HOURS
BIO	4476	SPECIAL TOPICS IN BIOLOGY	1 HOUR
BIO	4482/L482	MOLECULAR BIOLOGY W/LAB	4 HOURS
BIO	4488	INTERNSHIP IN BIOLOGICAL OR ENVIRONMENTAL SCIENCE	1-3 HOURS
BIO	4489	INTERNSHIP IN BIOLOGICAL OR ENVIRONMENTAL SCIENCE	1-3 HOURS
BIO	4490	INTERNSHIP IN BIOLOGICAL OR ENVIRONMENTAL SCIENCE	1-3 HOURS
BIO	4491	GUIDED INDEPENDENT RESEARCH	1-3 HOURS
BIO	4492	GUIDED INDEPENDENT RESEARCH	1-3 HOURS
BIO	4493	GUIDED INDEPENDENT STUDY	1-3 HOURS
BIO	4494	GUIDED INDEPENDENT STUDY	1-3 HOURS
CHM	4445/L445	INSTRUMENTAL ANALYSIS W/LAB	4 HOURS
HSTM	3372	HOSPITALITY MANAGEMENT	3 HOURS
HSTM	4465	HOSPITALITY SERVICE	3 HOURS

FREE ELECTIVES REQUIREMENT (2 HOURS)

TAKE 2 SEMESTER HOURS OF FREE ELECTIVE CREDIT. 2 HOURS