

## MY DEGREE MAP

### College of Arts and Sciences Recommended Academic Plan

### Biology Program-Food Safety Concentration-Program Year 2015-2016

1 <sup>ST</sup> 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	
2 <sup>ND</sup> 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	
3 <sup>RD</sup> 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	
4 <sup>TH</sup> YEAR				
FALL SEMESTER	HRS	SPRING SEMESTER	HRS	SUMMER SEMESTER
REQ MAJ COURSE/LAB	3/1	APPROVED MAJ ELEC	3/1JH	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	
REMEMBER TO FILE YOUR INTENT TO GRADUATE TOTAL	14	TOTAL	12	
			<b>TOTAL</b>	<b>120</b>

**COLLEGE OF ARTS AND SCIENCES RECOMMENDED ACADEMIC PLAN  
BIOLOGY PROGRAM-FOOD SAFETY CONCENTRATION-PROGRAM YEAR 2015-2016**

**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: 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	8 HOURS
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EVERY REASONABLE ATTEMPT TO ENSURE ACCURACY HAS BEEN MADE. SOME COURSES (SUCH AS DEVELOPMENTAL OR PRE-REQUISITE COURSES) ARE NOT REFLECTED IN THIS DEGREE MAP. COMPLETION OF DEGREE REQUIREMENTS IS BASED ON THE SPECIFIC CATALOG YEAR FOR EACH STUDENT.  
A MINIMUM OF 120 HOURS IS REQUIRED FOR ALL BACCALAUREATE DEGREE PROGRAMS.  
AT LEAST 50% OF REQUIRED COURSEWORK MUST BE EARNED AT A SENIOR INSTITUTION.  
AT LEAST 25% OF THE CREDIT HOURS REQUIRED FOR THE DEGREE MUST BE COMPLETED IN RESIDENCY WITH TROY UNIVERSITY.  
AT LEAST 12 SEMESTER HOURS OF RESIDENCY MUST BE COMPLETED IN EACH MAJOR FIELD(S) OF STUDY.  
A MINIMUM GPA OF 2.0 OVERALL AND IN THE MAJOR IS REQUIRED TO GRADUATE.  
NOTE: PLEASE CONSULT THE COLLEGE OF ARTS & SCIENCES OR CURRENT CATALOG FOR OTHER REQUIREMENTS NOT COVERED IN THIS DOCUMENT.  
NOTES: A SEQUENCE IN LITERATURE OR HISTORY IS REQUIRED. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT.

**COLLEGE OF ARTS AND SCIENCES RECOMMENDED ACADEMIC PLAN  
BIOLOGY PROGRAM-FOOD SAFETY CONCENTRATION-PROGRAM YEAR 2015-2016**

**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	FOOD AND BEVERAGE SERVICE	3 HOURS

**FREE ELECTIVES REQUIREMENT (2 HOURS)**

TAKE 2 SEMESTER HOURS OF FREE ELECTIVE CREDIT. 2 HOURS