

**MY DEGREE MAP**  
**COLLEGE OF ARTS AND SCIENCES RECOMMENDED ACADEMIC PLAN**  
**BIOLOGY PROGRAM-FOOD SAFETY CONCENTRATION**  
**PROGRAM YEAR 2017-2018**

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	3/1	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	
FILE YOUR INTENT TO GRADUATE	TOTAL	TOTAL	12	
			<b>TOTAL</b>	<b>120</b>

## COLLEGE OF ARTS AND SCIENCES RECOMMENDED ACADEMIC PLAN BIOLOGY PROGRAM-FOOD SAFETY CONCENTRATION PROGRAM YEAR 2017-2018

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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PROGRAM YEAR 2017-2018**

**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	IMMNOLOGY 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

MY DEGREE MAP SERVES AS A GUIDE TO ASSIST YOU WITH THE PROPER SEQUENCE AND SELECTION OF COURSES. IT DOES NOT REPLACE YOUR PROGRAM EVALUATION (AVAILABLE THROUGH TROJAN WEB EXPRESS), WHICH DEPICTS THE OFFICIAL DOCUMENT USED TO CLEAR STUDENTS FOR GRADUATION. MY DEGREE MAP INCLUDES THE REQUIRED COURSE WORK AND SUGGESTED SEQUENCE OF COURSES FOR A PARTICULAR DEGREE PROGRAM. EVERY REASONABLE ATTEMPT HAS BEEN MADE TO ENSURE ACCURACY OF CONTENT. PLEASE KEEP IN MIND THAT SOME COURSES, SUCH AS DEVELOPMENTAL OR PRE-REQUISITE COURSES, ARE NOT REFLECTED IN MY DEGREE MAP. COMPLETION OF DEGREE REQUIREMENTS IS BASED ON THE SPECIFIC CATALOG YEAR UNDER WHICH YOU WERE ADMITTED TO TROY. PLEASE CONSULT THE COLLEGE CATALOG, YOUR ACADEMIC ADVISOR, YOUR SPECIFIC SCHOOL, DEPARTMENT, OR YOUR PROGRAM EVALUATION FOR ANY ADDITIONAL REQUIREMENTS.