

MY DEGREE MAP

COLLEGE OF ARTS AND SCIENCE APPROVED ACADEMIC PLAN
BIOLOGY PROGRAM: BIOMEDICAL SCIENCES CONCENTRATION – PROGRAM YEAR 2014-2015

	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
	1ST YEAR	ENG 1101/03	3	BIO 1100/LAB	3/1	ENG 1102/04	3	CHM 1143/LAB	3/1	ART 1133 OR MUS 1131 OR DRA 2200
MTH 1125		4	CHM 1142/LAB	3/1	BIO 1101/LAB	3/1	AREA IV, HIS COURSE	3		
TROY 1101		1								
TOTALS		8	TOTALS	8	TOTALS	7	TOTALS	7	TOTALS	2
FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER		
TROY 1101		1	CHM 1142/LAB	3/1	ENG 1102/04	3	ART 1133 OR MUS 1131 OR DRA 2200	2	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN	
ENG 1101/03		3	BIO 1100/LAB	3/1	BIO 1101/LAB	3/1				
MTH 1125	4			CHM 1143/LAB	3/1	AREA IV, HIS COURSE	3			
TOTALS 16				TOTALS 16						
2ND YEAR	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
	CHM 3342/LAB	3/1	BIO 2220/LAB	3/1	BIO 2229/LAB	3/1	CHM 3343/LAB	3/1	ART 1133, MUS 1131, DRA 2200	2
	AREA II, GRP 3 LIT COURSE	3	AREA IV, GRP 2 COURSE	3	IS 2241	3	COM 2241	3	FREE ELECTIVE	1
	TOTALS	7	TOTALS	7	TOTALS	7	TOTALS	7	TOTALS	3
	FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER	
	AREA II, GRP 3 LIT COURSE	3	AREA IV, GRP 2 COURSE	3	IS 2241	3	BIO 2229/LAB	3/1	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN	
	CHM 3342/LAB	3/1	ART 1133, OR MUS 1131, OR DRA 2200	2	COM 2241	3	FREE ELECTIVE	1		
BIO 2220/LAB	3/1			CHM 3343/LAB	3/1					
TOTALS 16				TOTALS 15						
3RD YEAR	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
	AREA V PHYSICS I/LAB	3/1	MTH 2210	3	AREA V PHYSICS II/LAB	3/1	BIO 3320/LAB	3/1		
	BIO 3372/LAB	3/1	BIO 3347/LAB	3/1	BIO 3348/LAB	3/1	AREA II, GRP 4 COURSE	3		
	TOTALS	8	TOTALS	7	TOTALS	8	TOTALS	7	TOTALS	0
	FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER	
	AREA V PHYSICS I /LAB	3/1	MTH 2210	3	AREA V PHYSICS II /LAB	3/1	AREA II, GRP 4 COURSE	3	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN	
	BIO 3372/LAB	3/1	BIO 3347/LAB	3/1	BIO 3348/LAB	3/1	BIO 3320/LAB	3/1		
TOTALS 15				TOTALS 15						
4TH YEAR	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
	BIO 4482/LAB	3/1	AREA IV, GRP 2 OPT	3	APPROVED BIOMED CONC/LAB COURSE	3/1	APPROVED BIOMED CONC/LAB COURSE	3/1		
	APPROVED BIOMED CONC/LAB COURSE	3/1	AREA IV, GRP 2 OPT	3	APPROVED BIOMED CONC/LAB COURSE	3/1	FREE ELECTIVE	1		
	TOTALS	8	TOTALS	6	FILE YOUR INTENT TO GRADUATE FOR SPRING				TOTALS	5
	FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER	
	BIO 4482/LAB	3/1	AREA IV, GRP 2 COURSE	3	APPROVED BIOMED CONC/LAB COURSE	3/1	APPROVED BIOMED CONC/LAB COURSE	3/1	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN	
	APPROVED BIOMED CONC/LAB COURSE	3/1	AREA IV, GRP 2 COURSE	3	APPROVED BIOMED CONC/LAB COURSE	3/1	FREE ELECTIVE	1		
TOTALS 14				TOTALS 13						

TOTAL PROGRAM 120

COLLEGE OF ARTS AND SCIENCES RECOMMENDED ACADEMIC PLAN
BIOLOGY PROGRAM: BIOMEDICAL SCIENCES CONCENTRATION-PROGRAM YEAR 2014-2015

GENERAL STUDIES: BIOLOGY PROGRAM MAJORS (63 HOURS)

COMPLETE ALL 6 SUB-REQUIREMENTS

A. AREA I:

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:

GROUP 1: TAKE COM 2241 FUNDAMENTALS OF SPEECH 3 HOURS

GROUP 2: SELECT TWO COURSES FROM ART 1133*, MUS 1131*
OR DRA 2200 4 HOURS

GROUP 3: TAKE THREE SEMESTER HOURS FROM THE FOLLOWING:
ENG 2205*, ENG 2206*, ENG 2211, ENG 2212, ENG 2244, ENG 2245 3 HOURS

GROUP 4: TAKE THREE SEMESTER HOURS FROM THE FOLLOWING:
ASL 1141, CLA 2260*, ENG 2205*, ENG 2206*, ENG 2211, ENG 2212,
ENG 2244, ENG 2245, FRN 1101*, GER 1121*, GRK 1111*, IDS 2200,
LAT 1131*, PHI 2203, PHI 2204, ANT 2280* OR SPN 1141* 3 HOURS

C. AREA III:

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

GROUP 2: TAKE MTH 1125 CALCULUS I 4 HOURS

D. AREA IV:

GROUP 1: TAKE THREE SEMESTER HOURS FROM THE FOLLOWING:
HIS 1101, HIS 1102, HIS 1111, HIS 1112, HIS 1122*, OR HIS 1123* 3 HOURS

GROUP 2: TAKE NINE SEMESTER HOURS FROM THE FOLLOWING:
ANT 2200*, ECO 2251*, ECO 2252*, GEO 2210*, HIS 1101, HIS 1102,
HIS 1111, HIS 1112, HIS 1122*, HIS 1123*, IDS 2200, LDR 1100,
POL 2260, POL 2241, PSY 2200, PSY 2210, OR SOC 2275 9 HOURS

E. AREA V:

TAKE THE FOLLOWING COURSES:

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

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

IS 2241 COMPUTER CONCEPTS & APPLICATIONS 3 HOURS

TROY 1101 UNIVERSITY ORIENTATION 1 HOUR

TAKE ONE SEQUENCE: 8 HOURS

PHY 2252/L252 AND PHY 2253/L253

OR

PHY 2262/L262 AND PHY 2263/L263

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 SORRELL COLLEGE OF BUSINESS 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. COURSEWORK MARKED WITH AN ASTERISK (*) ARE INTERNATIONAL COURSES. SIX HOURS OF INTERNATIONAL COURSEWORK IS REQUIRED. CONSIDER THIS REQUIREMENT WHEN SELECTING COURSEWORK IN AREAS II AND IV.

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BIOLOGY PROGRAM: BIOMEDICAL SCIENCES CONCENTRATION-PROGRAM YEAR 2014-2015

BIOLOGY/BIOMEDICAL SCIENCE CONCENTRATION (57 HOURS)

TAKE THE FOLLOWING COURSES:

BIO 3347/L347	HUMAN ANATOMY AND PHYSIOLOGY W/LAB I	3/1 HOURS
BIO 3348/L348	HUMAN ANATOMY AND PHYSIOLOGY W/LAB II	3/1 HOURS
BIO 3372/L372	MICROBIOLOGY W/LAB	3/1 HOURS
BIO 4482/L482	MOLECULAR BIOLOGY W/LAB	3/1 HOURS

MAJOR ELECTIVES (16 HOURS)

TAKE 16 HOURS FROM THE COURSES LISTED BELOW.

LECTURES AND THEIR CORRESPONDING LABS MUST BE TAKEN TOGETHER.

BIO 3340	EVOLUTION	3 HOURS
BIO 3382/L382	IMMUNOLOGY W/LAB	3/1 HOURS
BIO 4414/L414	FOOD MICROBIOLOGY W/LAB	3/1 HOURS
BIO 4416/L416	MICROBIAL ECOLOGY W/LAB	3/1 HOURS
BIO 4430/L430	APPLIED GENETICS W/LAB	3/1 HOURS
BIO 4451/L451	TOXICOLOGY W/LAB	3/1 HOURS
BIO 4471/L471	PARASITOLOGY W/LAB	3/1 HOURS
BIO 4480/L480	HISTOLOGY W/LAB	3/1 HOURS
BIO 4476	SPECIAL TOPICS IN BIOLOGY	1-3 HOURS
BIO 4488/89/90	INTERNSHIP IN BIOLOGICAL & ENVIROMENTAL SCIENCE	1-3 HOURS
BIO 4491/92	GUIDED INDEPENDENT RESEARCH	1-3 HOURS
BIO 4493/94	GUIDED INDEPENDENT STUDY	1-3 HOURS
CHM 3352/L352	BIOCHEMISTRY W/LAB	3/1 HOURS

*SPECIAL TOPICS IN BIOLOGY (BIO 4476) GUIDED INDEPENDENT STUDIES (BIO 4491/4492) AND GUIDED INDEPENDENT RESEARCH (BIO 4493/4494) MAY BE TAKEN FOR A MAXIMUM OF 6 SEMESTER HOURS

FREE ELECTIVES (1 HOUR)

SELECT 1 HOUR OF FREE ELECTIVES	1 HOUR
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