

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
11122 02111201211	1110	011111 0 02111201211		SEMESTER
TROY 1101	1	ENG 1102/04	3	SELECT COURSES That have not
ENG 1101/03	3	BIO 1101/LAB	3/1	BEEN COMPLETED FROM PREVIOUS 2
BIO 1100/LAB	3/1	CHM 1143/LAB	3/1	SEMESTERS OR COURSES SUCH AS
CHM 1142/LAB	3/1	AREA II FINE ARTS COURSE	3	PREREQUISITE COURSES OR
MTH 1125	4			COURSES TO BE RETAKEN
TOTAL	16	TOTAL	14	RETAKEN
		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
CHM 3342/LAB	3/1	CHM 3343/LAB	3/1	BEEN COMPLETED FROM PREVIOUS 2
APPROVED MAJ ELEC	3/1	APPROVED MAJ ELEC	3/1	SEMESTERS OR COURSES SUCH AS
AREA II LIT COURSE	3	AREA IV SS COURSE	3	PREREQUISITE Courses or
TOTAL	15	TOTAL	15	COURSES TO BE RETAKEN
		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
BIO 3320/LAB	3/1	AREA V PHY COURSE/LAB	3/1	BEEN COMPLETED FROM PREVIOUS 2
AREA V PHY COURSE/LAB	3/1	AATH OO4O		SEMESTERS OR
		MATH 2210	3	COURSES SUCH AS
IS 2241	3	FREE ELEC	2	COURSES SUCH AS PREREQUISITE
		FREE ELEC Area IV his course	2 3	COURSES SUCH AS PREREQUISITE COURSES OR COURSES TO BE
IS 2241 TOTAL	3 15	FREE ELEC AREA IV HIS COURSE TOTAL	2	COURSES SUCH AS PREREQUISITE COURSES OR
TOTAL	15	FREE ELEC AREA IV HIS COURSE TOTAL 4 th Year	2 3 16	COURSES SUCH AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN
		FREE ELEC AREA IV HIS COURSE TOTAL	2 3	COURSES SUCH AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN SUMMER
TOTAL FALL SEMESTER	15 HRS	FREE ELEC AREA IV HIS COURSE TOTAL 4 th YEAR SPRING SEMESTER	2 3 16 HRS	COURSES SUCH AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN SUMMER SEMESTER
TOTAL FALL SEMESTER BIO 4425	15 HRS 4	FREE ELEC AREA IV HIS COURSE TOTAL 4 th Year Spring semester BIO 4420	2 3 16 HRS	COURSES SUCH AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN SUMMER SEMESTER SELECT COURSES THAT HAVE NOT
TOTAL FALL SEMESTER BIO 4425 APPROVED MAJ ELEC	15 HRS 4 4	FREE ELEC AREA IV HIS COURSE TOTAL 4 TH YEAR SPRING SEMESTER BIO 4420 APPROVED MAJ ELEC	2 3 16 HRS 4 4	COURSES SUCH AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN SUMMER SEMESTER SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS 2
FALL SEMESTER BIO 4425 APPROVED MAJ ELEC AREA II HUM/FA COURSE	15 HRS 4 4 3	FREE ELEC AREA IV HIS COURSE TOTAL 4 th Year Spring semester BIO 4420 Approved Maj Elec BIO 4484	2 3 16 HRS 4 4	COURSES SUCH AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN SUMMER SEMESTER SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS 2 SEMESTERS OR COURSES SUCH AS
TOTAL FALL SEMESTER BIO 4425 APPROVED MAJ ELEC	15 HRS 4 4	FREE ELEC AREA IV HIS COURSE TOTAL 4 TH YEAR SPRING SEMESTER BIO 4420 APPROVED MAJ ELEC BIO 4484 AREA IV SS COURSE	2 3 16 HRS 4 4 1 3	COURSES SUCH AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN SUMMER SEMESTER SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS 2 SEMESTERS OR COURSES SUCH AS PREREQUISITE COURSES OR
FALL SEMESTER BIO 4425 APPROVED MAJ ELEC AREA II HUM/FA COURSE AREA IV SS COURSE	15 HRS 4 4 3 3	FREE ELEC AREA IV HIS COURSE TOTAL 4 TH YEAR SPRING SEMESTER BIO 4420 APPROVED MAJ ELEC BIO 4484 AREA IV SS COURSE AREA II HUM/FA COURSE	2 3 16 HRS 4 4 1 3 3	COURSES SUCH AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN SUMMER SEMESTER SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS 2 SEMESTERS OR COURSES SUCH AS PREREQUISITE
FALL SEMESTER BIO 4425 APPROVED MAJ ELEC AREA II HUM/FA COURSE	15 HRS 4 4 3	FREE ELEC AREA IV HIS COURSE TOTAL 4 TH YEAR SPRING SEMESTER BIO 4420 APPROVED MAJ ELEC BIO 4484 AREA IV SS COURSE AREA II HUM/FA COURSE TOTAL	2 3 16 HRS 4 4 1 3	COURSES SUCH AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN SUMMER SEMESTER SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS 2 SEMESTERS OR COURSES SUCH AS PREREQUISITE COURSES TO BE



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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 ENG 1102 Comp and Modern English II	3 hours 3 hours
B. AREA II:	
Take any 1000-2000 level course in literature 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. 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.	3 Hours 3 Hours 6 Hours
C. AREA III:	
TAKE THE FOLLOWING COURSES: BIO 1100/L100 PRINCIPLES OF BIOLOGY W/LAB CHM 1142/L142 GENERAL CHEMISTRY I W/LAB TAKE MTH 1125 CALCULUS I ("C" OR BETTER)	4 HOURS 4 HOURS 3 HOURS
D. AREA IV:	
Take The Following Courses: Take any 1000-2000 level course with a primary focus in history 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.	3 HOURS 9 HOURS
E. AREA V:	
Take the following courses: BIO 1101/L101 Organismal Biology W/Lab CHM 1143/L143 General Chemistry II W/Lab IS 2241 Computer Concepts & Applications TROY 1101 University Orientation	4 HOURS 4 HOURS 3 HOURS 1 HOUR
AREA V CONTINUED:	
TAKE ONE PHYSICS SEQUENCE: 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	8 Hours

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 ACCUMENTATION OF STUDY.A MINIMUM GPA OF 2.0 OVERALL AND IN THE MAJOR IS REQUIRED TO GRADUATE.NOTE: PLEASE CONSULT THE COLLEGE OF ARTS AND SCIENCES OR CURRENT CATALOG FOR OTHER REQUIREMENTS NOT COVERED IN THIS DOCUMENT.NOTES: A SEQUENCE IN LITERATURE OR HISTORY IS REQUIRED. PLEASE CONSIDER THIS REQUIREMENT. WHEN SELECTING COURSEWORK IN AREAS II OR IV,



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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)
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
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
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
CHM 3342/L342 ORGANIC CHEMISTRY I W/LAB CHM 3343/L343 ORGANIC CHEMISTRY II W/LAB MTH 2210 APPLIED STATISTICS 3 HOURS
CHM 3343/L343 ORGANIC CHEMISTRY II W/LAB MTH 2210 APPLIED STATISTICS 4 HOURS 3 HOURS
MTH 2210 Applied Statistics 3 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.
ZOOLOGY: (4 HOURS)
TAKE ONE OF FOLLOWING COURSES:
BIO 3307/L307 Invertebrate Zoology W/Lab OR 4 Hours
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
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)
FREE ELECTIVES REQUIREMENT (2 HOURS)
Take 2 semester hours of free elective credit.

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 STUDIENTS 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 MINDT 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.