

## COLLEGE OF ARTS AND SCIENCES RECOMMENDED ACADEMIC PLAN MARINE BIOLOGY-PROGRAM YEAR 2019-20

1 <sup>ST</sup> YEAR								
fall semester	HRS	SPRING SEMESTER	HRS	SUMMER SEMESTER	HRS			
TROY 1101	1	FREE ELEC	1	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS 2 SEMESTERS OR COURSES SUCH AS				
ENG 1101/03	3	ENG 1102/04	3					
CHM 1142/LAB	3/1	CHM 1143/LAB	3/1					
BIO 1100/LAB	3/1	BIO 1101/LAB	3/1	PREREQUISITE COU Courses to be ri				
MTH 1125	4	IS 2241	3	THE REAL PROPERTY.				
TOTAL	16	TOTAL	15					
		2 <sup>ND</sup> YEAR						
FALL SEMESTER	HRS	SPRING SEMESTER	HRS	SUMMER SEMESTER	HRS			
BIO 2229/LAB	3/1	BIO 2220/LAB	3/1	COMPLETE 8 HOURS OF	8			
AREA II HUM/FA COURSE (COM 2241 DR)	3	STAT 2210	3	MB CREDIT				
CHM 3342/LAB	3/1	CHM 3343/LAB	3/1	AT DISL	1000			
AREA IV SS COURSE	3	APPROVED BIO/LAB ELEC	3/1					
TOTAL	14	TOTAL	15	TOTAL	8			
		3 <sup>RD</sup> YEAR						
FALL SEMESTER	HRS	SPRING SEMESTER	HRS	SUMMER SEMESTER	HRS			
PHY 2252/LAB	3/1	PHY 2253/LAB	3/1	COMPLETE 8 HOURS OF	8			
BIO 3307/LAB	3/1	BIO 3320/LAB	3/1	MB CREDIT				
AREA II LIT COURSE	3	AREA IV HIS COURSE	3	AT DISL				
AREA II HUM/FA ELEC	3	AREA IV SS COURSE	3					
FREE ELEC	1							
TOTAL	15	TOTAL	14	TOTAL	8			
4 <sup>TH</sup> YEAR								
FALL SEMESTER	HRS	SPRING SEMESTER	HRS	SUMMER SEMESTER	HRS			
APPROVED BIO/LAB ELEC	3/1		HRS		THAT			
APPROVED BIO/LAB ELEC APPROVED BIO/LAB ELEC			HRS	SEMESTER  SELECT COURSES  HAVE NOT BE  COMPLETED FF	THAT EN ROM			
APPROVED BIO/LAB ELEC APPROVED BIO/LAB ELEC BIO 4484	3/1 3/1 1		HRS	SEMESTER  SELECT COURSES  HAVE NOT BE  COMPLETED FF  PREVIOUS 2 SEMES'  COURSES SUCH	THAT IEN ROM TERS OR H AS			
APPROVED BIO/LAB ELEC APPROVED BIO/LAB ELEC BIO 4484 AREA II FINE ARTS COURSE	3/1 3/1 1 3		HRS	SEMESTER SELECT COURSES HAVE NOT BE COMPLETED FF PREVIOUS 2 SEMES'	THAT EN ROM TERS OR H AS URSES OR			
APPROVED BIO/LAB ELEC APPROVED BIO/LAB ELEC BIO 4484 AREA II FINE ARTS COURSE AREA IV SS COURSE	3/1 3/1 1 3 3		HRS	SEMESTER  SELECT COURSES  HAVE NOT BE COMPLETED FF PREVIOUS 2 SEMES' COURSES SUCH PREREQUISITE COU	THAT EN ROM TERS OR H AS URSES OR			
APPROVED BIO/LAB ELEC APPROVED BIO/LAB ELEC BIO 4484 AREA II FINE ARTS COURSE	3/1 3/1 1 3		HRS	SEMESTER  SELECT COURSES  HAVE NOT BE COMPLETED FF PREVIOUS 2 SEMES' COURSES SUCH PREREQUISITE COU	THAT EN ROM TERS OR H AS URSES OR			



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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)	3/1 HOURS 3/1 HOURS 4 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	3/1 HOURS 3/1 HOURS 3 HOURS 1 HOUR
AREA V CONTINUED:	
Take One Physics Sequence: Phy 2252/Lab General Physics I AND Phy 2253/Lab General Physics II Or	8 Hours

PHY 2262/Lab General Physics I With Calculus AND PHY 2263/LAB General Physics II With Calculus

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 STUDENTA MINIMUM OF 120 HOURS IS REQUIRED FOR ALL BACCALAUREATE DEGREE PROGRAMS. 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 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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MARINE BIOLOGY PROGRAM	(28 HOURS)
MINIMUM 2.0 OVERALL GPA REQUIRED  TAKE THE FOLLOWING COURSES: BIO 2220/L220 PRIN. CELL BIOLOGY W/LAB BIO 2229/L229 GENERAL ECOLOGY W/LAB BIO 3320/L320 GENETICS W/LAB BIO 4484 SENIOR SEMINAR IN BIOLOGICAL & ENVIRONMENTAL SCIENCE CHM 3342/L342 ORGANIC CHEMISTRY I W/LAB CHM 3343/L343 ORGANIC CHEMISTRY II W/LAB STAT 2210 INTRODUCTORY STATISTICS BIO 3307/L307 INVERTEBRATE ZOOLOGY	3/1 HOURS 3/1 HOURS 3/1 HOURS 1 HOUR 3/1 HOURS 3/1 HOURS 3 HOURS 3/1 HOURS
PROGRAM ELECTIVES:	(12 HOURS)
Complete 12 Additional Hours Of Adviser-Approved Biology Or Marine Biology Courses.	
DAUPHIN ISLAND COURSES	(16 HOURS)
Take 16 Hours of MB Courses Approved By The Dauphin Island Sea Lab Liaison and Departmental Chair.  Note: Dauphin Island Sea Lab (Disl) Courses are Offered During The Summer Term. Students are required to take the following Pre-Requisites Before Attending Disl: CHM 1143/L143, Bio 1101/L101, Bio 2229/L229. Students must Comply With All Disl Catalog Prerequisites for Individual Courses.	
FREE ELECTIVES REQUIREMENT	(2 HOURS)
Take 2 semester hours of free elective credit.	2 Hours