

## MY DEGREE MAP COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN PHYSICS MAJOR-PROGRAM YEAR 2021-2022

		1 <sup>ST</sup> YEAR			
FALL SEMESTER	HRS	SPRING SEMESTER	HRS	SUMMER SEMESTER	
TROY 1101	1	ENG 1102/04	3	SELECT COURSES	
ENG 1101/03	3	PHY 2262/LAB	3/1	THAT HAVE NOT BEEN COMPLETED	
MTH 1125	4	MTH 1126	4	FROM PREVIOUS 2 SEMESTERS OR	
FREE ELEC	3	AREA III SCI/LAB COURSE (CHM 1142/LAB DR)	3/1	COURSES SUCH AS PREREQUISITE	
AREA IV HIS COURSE	3		A STATE OF THE STA	COURSES OR Courses to be	
TOTAL	14	TOTAL	15	RETAKEN	
2 <sup>ND</sup> YEAR					
FALL SEMESTER	HRS	SPRING SEMESTER	HRS	SUMMER SEMESTER	
PHY 2263/LAB	3/1	AREA IV SS COURSE	3	SELECT COURSES	
REQ MAJOR ELECTIVE (PHY 3359/LAB DR?	3/1	PHY 3310/LAB	3/1	THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS	
REQ MAJOR ELECTIVE (MTH 2227 DR)	4	AREA II LIT COURSE	3	2 SEMESTERS OR COURSES SUCH	
CS 2250	3	MINOR COURSE	3	AS PREREQUISITE COURSES OR	
Market And Shipping Street Services		FREE ELEC (DR PHY 3320)	3	COURSES TO BE	
TOTAL	14	TOTAL	16	RETAKEN	
		3 <sup>rd</sup> YEAR			
FALL SEMESTER	HRS	SPRING SEMESTER	HRS	SUMMER SEMESTER	
PHY 3325	3	REQ MAJOR ELECTIVE	3	SELECT COURSES	
PHY 4445	3	FREE ELEC	3	THAT HAVE NOT BEEN COMPLETED	
AREA IV SS COURSE	3	MINOR COURSE	3	FROM PREVIOUS	
REQ MAJ ELECTIVE (MTH 3364 DR)	3	AREA II HUM/FA COURSE	3	2 SEMESTERS OR COURSES SUCH AS PREREQUISITE	
MINOR COURSE	3	MINOR COURSE	3	COURSES OR COURSES TO BE	
TOTAL	15	TOTAL	15	RETAKEN	
4 <sup>TH</sup> YEAR					
		4 <sup>TH</sup> YEAR			
FALL SEMESTER	HRS	4 <sup>TH</sup> YEAR SPRING SEMESTER	HRS	SUMMER SEMESTER	
FALL SEMESTER PHY 4420	HRS 3		HRS 3	SEMESTER SELECT COURSES	
		SPRING SEMESTER  REQ MAJOR ELECTIVE		SEMESTER  SELECT COURSES THAT HAVE NOT BEEN COMPLETED	
PHY 4420	3	REQ MAJOR ELECTIVE (PHY 4438 OR 4440 DR)	3	SEMESTER  SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS	
PHY 4420 PHY 4435	3	REQ MAJOR ELECTIVE (PHY 4438 OR 4440 DR) AREA II HUM/FA COURSE	3	SEMESTER  SELECT COURSES THAT HAVE NOT BEEN COMPLETED	
PHY 4420 PHY 4435 AREA II FINE ARTS COURSE	3 3 3	REQ MAJOR ELECTIVE (PHY 4438 OR 4440 DR) AREA II HUM/FA COURSE MINOR COURSE	3 3 3	SEMESTER  SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR	
PHY 4420  PHY 4435  AREA II FINE ARTS COURSE  AREA IV SS COURSE	3 3 3	REQ MAJOR ELECTIVE (PHY 4438 OR 4440 DR) AREA II HUM/FA COURSE MINOR COURSE FREE ELEC	3 3 3 3	SEMESTER  SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE	



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COMPLETE ALL REQUIREMENTS	(50 HOURS)
AREA I	
MINIMUM GRADE OF "C" REQUIRED Eng 1101 comp and modern english i Eng 1102 comp and modern english ii	3 HOURS 3 HOURS
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
NOTE: A SEQUENCE IN LITERATURE OR HISTORY IS REQUIRED. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT.	
AREA III	
MTH 1125 CALCULUS I Minimum grade of "C" required	4 HOURS
PHY 2262/L262 PHYSICS I WITH CALCULUS/LAB TAKE ANY ONE 1000-2000 LEVEL SCIENCE CLASSES (CLASS AND CORRESPONDING LAB BOTH REQUIRED) FROM THE FOLLOWING SCIENCE DISCIPLINES: BIOLOGY, CHEMISTRY, PHYSICS, PHYSICAL SCIENCE, OR OTHER SCIENCE AREAS. SELECT 2: BIO-1100/L100, BIO 1101/L101, BIO 2202/L202, BIO 2229/L229, CHM 1115/L115, CHM 1142/L142, CHM 1143/L143, CHM 2242/L242, PHY 2252/L252, PHY 2253/L253, PHY 2262/L262, PHY 2263/L263, SCI 2233/L233, SCI 2234/L234. (CHM 1142/LAB DR) DR DENOTES DEPARTMENTAL RECOMMENDATION.	3/1 HOURS 3/1 HOURS
AREA IV	
TAKE ANY 1000-2000 LEVEL COURSE WITH A PRIMARY FOCUS IN HISTORY.	3 HOURS
TAKE ANY THREE 1000-2000 LEVEL COURSES 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
NOTE: A SEQUENCE IN LITERATURE OR HISTORY IS REQUIRED. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT.	
AREAV	
TAKE THE FOLLOWING COURSES: TROY 1101 THE UNIVERSITY EXPERIENCE CS 2250 COMPUTER SCIENCE I MTH 1126 CALCULUS II	1 HOUR 3 HOURS 4 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 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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PHYSICS MAJOR 2.0 GPA REQUIRED	(37 HOURS)	
TAKE THE FOLLOWING COURSES: PHY 2263/L263 PHYSICS II WITH CALCULUS/LAB PHY 3310/L310 MODERN PHYSICS/LAB PHY 3325 THERMODYNAMICS PHY 4420 MECHANICS PHY 4435 ELECTRICITY & MAGNETISM PHY 4445 QUANTUM MECHANICS I	3/1 HOURS 3/1 HOURS 3 HOURS 3 HOURS 3 HOURS 3 HOURS	
MAJOR ELECTIVES:		
TAKE AN ADDITIONAL 17 HOURS FROM THE FOLLOWING: MTH 2227 (4), MTH 3364 (3), PHY 3320 (3), PHY 3321 (3), PHY 3359/L359 (3/1), PHY 4438 (3), PHY 4440 (3), PHY 4446 (3), PHY 4460 (3), PHY 4470 (3), PHY 4475 (3), PHY 4478 (3), PHY 4482 (3), PHY 4483 (1), PHY 4484 (1), PHY 4485 (1) PHY 4495 (3), PHY 4491 (1-4), PHY 4492 (1-4), PHY 4493 (1-4), OR PHY 4494 (1-4)		
MINOR REQUIREMENT	(18 HOURS)	
AT LEAST ONE 18 SEMESTER HOUR MINOR IS REQUIRED COMPLETE THIS DEGREE PROGRAM. ADDITIONAL MAJORS ARE ALSO ACCEPTABLE.	18 HOURS	
FREE ELECTIVES REQUIREMENT	(15 HOURS)	
TAKE 15 SEMESTER HOURS OF FREE ELECTIVE CREDIT.	15 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 REQUIRES 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.