

## MY DEGREE MAP COLLEGE OF ARTS AND SCIENCES BACHELOR OF SCIENCE IN PHYSICS AND MATHEMATICS PROGRAM YEAR 2021-2022

1 <sup>st</sup> YEAR				
1 <sup>st</sup> SEMESTER	HOURS	2 <sup>ND</sup> SEMESTER	HOURS	
TROY 1101	1	ENG 1102/04	3	
ENG 1101/03	3	MTH 1126	4	
MTH 1125	4	PHY 2262/L262	3/1	
AREA IV SS COURSE	3	STAT 2210	3	
AREA III SCI/LAB COURSE	3/1		-1-5-5-5-6	
TOTAL	14	TOTAL	16	
2 <sup>ND</sup> YEAR				
3 <sup>RD</sup> SEMESTER	HOURS	4 <sup>TH</sup> SEMESTER	HOURS	
AREA II LIT COURSE	3	PHY 3310/L310	3/1	
MTH 2227	4	AREA IV HIS COURSE	3	
MTH 3318	3	MTH 3311	3	
AREA IV SS COURSE	3	MTH 3331	3	
PHY 2263/L263	3/1	CS 2250	3	
TOTAL	17	TOTAL	17	
		(EAR	HOUDS	
5 <sup>TH</sup> SEMESTER	HOURS	6 <sup>TH</sup> SEMESTER	HOURS	
PHY MAJOR ELECTIVE (DR PHY 3359 + PHY L359)	3/1	AREA IV SS COURSE	3	
PHY 4445	3	AREA II HUM/FA COURSE	3	
MTH 4424	3	REQ PHYSICS ELEC (DR PHY 4446)	3	
РНҮ 3325	3	STAT 3350 OR MTH 4425	3	
MTH 4441	3	STAT 4451 OR REQ MTH/STAT ELEC	3	
TOTAL	16	TOTAL	15	
	<b>4</b> <sup>TH</sup> )	(EAR		
7 <sup>th</sup> SEMESTER	HOURS	8 <sup>TH</sup> SEMESTER	HOURS	
PHY 4420	3	AREA II HUM/FA COURSE	3	
PHY 4435	3	AREA II FINE ARTS COURSE	3	
REQ PHY ELEC (DR PHY 3320)	3	REQ PHYSICS ELEC (DR PHY 3321)	3	
REQ MTH/STAT ELEC	3	REQ PHYSICS ELEC (DR PHY 4440)	3	
REQ MTH/STAT ELEC	3	REQ MTH/STAT ELEC	3	
SUBMIT GRADUATION APPLICATION	5	REQ PHY ELEC	1	
			1	
TOTAL	15	TOTAL	14	



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COMPLETE ALL REQUIREMENTS	(49 HOURS)
AREAI	
ENG 1101 COMP AND MODERN ENGLISH I Eng 1102 Comp and Modern English II Minimum grade of "C" Required	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/LAB PHYSICS I W/ CALCULUS AND 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, SCI 2233/L233, SCI 2234/L234.	3/1 HOURS 3/1 HOURS
AREA IV	
TAKE ANY 1000-2000 LEVEL COURSE WITH A PRIMARY FOCUS IN HISTORY. 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.	3 HOURS 9 HOURS
AREAV	
CS 2250 COMPUTER SCIENCE I TROY 1101 THE UNIVERSITY EXPERIENCE STAT 2210 INTRODUCTORY STATISTICS	3 HOURS 1 HOUR 3 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. COMPLE-TION 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 COURSE-WORK IN AREAS II OR IV.



## COLLEGE OF ARTS AND SCIENCES BACHELOR OF SCIENCE IN PHYSICS AND MATHEMATICS PROGRAM YEAR 2021-2022

PHYSICS MAJOR 2.0 GPA REQUIRED	(37 HOURS)
TAKE THE FOLLOWING COURSES:PHY2263/L263PHYSICS II WITH CALCULUS/LABPHY3310/L310MODERN PHYSICS/LABPHY3325THERMODYNAMICSPHY4420MECHANICSPHY4435ELECTRICITY & MAGNETISMPHY4445QUANTUM MECHANICS I	3/1 HOURS 3/1 HOURS 3 HOURS 3 HOURS 3 HOURS 3 HOURS
PHYSICS MAJOR ELECTIVES	
TAKE AN ADDITIONAL 17 HOURS FROM THE FOLLOWING: PHY 3320 (3), PHY 3321 (3), PHY 3359/L359 (3/1), PHY 4438 (3), PHY 4440 (3), PHY 4446 (3), PHY 4460 (3), PHY 4475 (3), PHY 4478 (3), PHY 4482 (3), PHY 4483 (1), PHY 4484 (1), PHY 4485 (1), PHY 4495 (3), PHY 4491 (3), PHY 4492 (3), PHY 4493 (3), PHY 4494 (3), MTH 3364 (3)	17 HOURS
MATHEMATICS MAJOR	(38 HOURS)
TAKE THE FOLLOWING COURSES:MTH 1126CALCULUS IIMTH 2227CALCULUS IIIMTH 3311DIFFERENTIAL EQUATIONSMTH 3318INTRO TO ADVANCED MATHEMATICSMTH 3331LINEAR ALGEBRAMTH 4424REAL ANALYSIS IMTH 4441ABSTRACT ALGEBRA I	4 HOURS 4 HOURS 3 HOURS 3 HOURS 3 HOURS 3 HOURS 3 HOURS
OPTION 1:	
MTH 3350 STATISTICAL METHODS & COMPUTATIONS MTH 4451 MATH STATS I	3 HOURS 3 HOURS
TAKE 9 ADDITIONAL HOURS OF UPPER-LEVEL (3000 OR 4000) MATHEMATICS or statistics courses. (Excluding MTH 4481)	9 HOURS
OPTION 2:	
MTH 4425 REAL ANALYSIS II	3 HOURS
TAKE 12 ADDITIONAL HOURS OF UPPER-LEVEL (3000 OR 4000) MATHEMATICS or statistics courses. (Excluding MTH 4481)	12 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 SE-QUENCE 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.