

MY DEGREE MAP COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN COMPUTER SCIENCE MAJOR-PROGRAM YEAR 2022-23

	term 1		term 2		term 3		term 4		term 5		
1 st YEAR	DR FREE ELEC MTH 1112	3	AREA IV SS Course	3	ENG 1102/04	3	DR FREE ELEC MTH 1114	3	AREA II HUM/FA Course	3	
	ENG 1101/03	3	AREA II FINE Arts course	3	AREA III PHY 2252L252 or Phy 2262/L262	3/1	AREA IV SS COURSE	3			
	TROY 1101	1							and a galaxies of	1	
	TOTAL	7	TOTAL	6	TOTAL	7	TOTAL	6	TOTAL	3	
	term 1		term 2		term 3		term 4		term 5		
2 ND	AREA II LIT Course	3	AREA IV HIS Course	3	MTH 1125	4	AREA IV SS COURSE	3	MTH 1126	4	
YEAR	AREA III SCI/LAB Course	3/1	CS 2250	3	CS 2255	3	MTH 2215	3	FREE ELEC	3	
	TOTAL	7	TOTAL	6	TOTAL	7	TOTAL	6	TOTAL	7	
3 rd YEAR	term 1		term 2		term 3		term 4		term 5		
	STAT 2210	3	AREA II HUM/FA Course	3	REQ MAJ COURSE	3	REQ_MAJ COURSE	3	REQ MAJ COURSE	3	
	CS 2220	3	REQ MAJ COURSE	3	REQ MAJ COURSE	3	FREE ELEC	3	FREE ELEC	1	
	-		TOTAL		TOTAL				TOTAL		
	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	4	
4 ^{тн} YEAR	term 1		term 2		term 3		term 4		term 5		
	REQ MAJ COURSE	3	REQ MAJ COURSE	3	REQ MAJ COURSE	3	REQ MAJ COURSE	3	FREE ELEC	3	
	REQ MAJ COURSE	3	REQ MAJ COURSE	3	FREE ELEC	3	APPROVED MAJ Elec	3	APPROVED MAJ Elec	3	
					SUBMIT GRADUAT		TION APPLICATION		and Filmer to 19	-	
	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6	
	TOTAL 12										



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COMPLETE ALL REQUIREMENTS	(53 HOURS)
AREA I	
TAKE THE FOLLOWING COURSES: Eng 1101 comp and modern english i Eng 1102 comp and modern english ii Minimum grade of "C" req.	3 HOURS 3 HOURS
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	3 HOURS 3 HOURS
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.	6 HOURS
NOTE: A SEQUENCE IN LITERATURE OR HISTORY IS REQ. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT.	
AREA III	
MTH 1125 CALCULUS 1 MINIMUM GRADE OF "C" REQ	4 HOURS
TAKE ONE OF THE FOLLOWING: Phy 2252/L252 or Phy 2262/L262 Take any 1000-2000 Level Science Class, that has not already been taken, From the following science disciplines: Biology, Chemistry, Physics, Physical Science, Or other science areas. Bio 1100/L100, Bio 1101/L101, Bio 1120/L120, Bio 2229/L229, CHM 1115/L115,	3/1 HOURS
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, SCI 2240/L240.	3/1 HOURS
AREA IV	
TAKE ANY 1000-2000 LEVEL COURSE WITH A PRIMARY FOCUS IN HISTORY Take 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
NOTE: A SEQUENCE IN LITERATURE OR HISTORY IS REQ. WHEN SELECTING COURSEWORK IN ARI II OR IV, PLEASE CONSIDER THIS REQUIREMENT.	EAS

AREA V

CS 222	NUMERICAL METHODS	3 HOURS
MTH 1126	CALCULUS II	4 HOURS
TROY 1101	THE UNIVERSITY EXPERIENCE	1 HOUR
CS 225	COMPUTER SCIENCE I	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. 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 RACH 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 SELECT-ING COURSEWORK IN AREAS II OR IV.



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COMPUT	ER SCIEN	(48 HOURS)	
TAKE	THE FOI	LOWING COURSES:	
CS	2255	COMPUTER SCIENCE II	3 HOURS
CS	3310	FOUNDATIONS OF COMPUTER SCIENCE	3 HOURS
CS	3323	DATA STRUCTURES	3 HOURS
CS	3329	ANALYSIS OF ALGORITHMS	3 HOURS
CS	3332	SOFTWARE ENGINEERING I	3 HOURS
CS	3360	CONCEPTS OF OBJECT PROGRAM I	3 HOURS
CS	3365	INTRO COMPUTER ORGANIZATION & ARCHITECTURE	3 HOURS
CS	3370	NATURE OF PROGRAMMING LANGUAGE	3 HOURS
CS	3372	FORMAL LANGUAGE & THEORY OF COMPUTATION	3 HOURS
CS	4420	INTRODUCTION TO DATABASE SYSTEMS	3 HOURS
CS	4445	DATA COMMUNICATION & NETWORKING	3 HOURS
CS	4448	OPERATING SYSTEMS	3 HOURS
STAT		INTRODUCTORY STATISTICS	3 HOURS
MTH	2215	APPLIED DISCRETE MATHEMATICS	3 HOURS
MAJOR EI	LECTIVES	S	
CS 33	20, CS 332	ADDITIONAL COURSES FROM THE FOLLOWING 25, CS 3331, CS 3361, CS 4401, CS 4410, CS 4443, CS 4447, CS 4451, 62, OR CS 4495.	6 HOURS
FREE ELE	CTIVES R	REQUIREMENT	(19 HOURS)
(MTH	1112 AND	TER HOURS OF FREE ELECTIVE CREDIT O MTH 1114 are recommended by the department Ctives due to being prerequisite courses for MTH 1125.	19 HOURS

DR DENOTES DEPARTMENTAL RECOMMENDED COURSES.)

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, WHICH DEPICTS THE OFFICIAL DOCUMENT USED TO CLEAR STUDENTS 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 MIND THAT SOME COURSES, SUCH AS DEVELOPMENTAL OR PRE-REQUISITE COURSES, ARE NOT REFLECTED IN MY DEGREE MAP. CONDUCTION 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.