

MY DEGREE MAP COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN COMPUTER SCIENCE MAJOR-PROGRAM YEAR 2024-25

		1ST YEAR			
1ST SEMESTER	HRS	2nd semester	HRS	SUMMER SEMESTER	
TROY 1101 OR TROY 1105	1	ENG 1102/04	3		
ENG 1101/03	3	AREA III PHY 2252/L252 OR PHY 2262/L262	3/1	NOTE: SELECT COURSES THAT HAVE NOT BEEN	
MTH 1112 (DR FREE ELEC)	3	MTH 1114 (DR FREE ELEC)	3	COMPLETED FROM PREVIOUS TERMS OR	
AREA IV SS COURSE	3	AREA IV SS COURSE	3	COURSES TO BE RETAKEN	
AREA II FINE ARTS COURSE	3	AREA II HUM/FA COURSE	3		
TOTAL	13	TOTAL	16	学以特定以外的	
		2ND YEAR			
3rd semester	HRS	4TH SEMESTER	HRS	SUMMER SEMESTER	
AREA II LIT COURSE	3	MTH 1126	4	NOTE CHICT COURSE	
MTH 1125	4	AREA IV SS COURSE	3	NOTE: SELECT COURSES THAT HAVE NOT BEEN	
AREA III SCI/LAB COURSE	3/1	MTH 2215	3	COMPLETED FROM	
CS 2250	3	CS 2255	3	PREVIOUS TERMS OR	
AREA IV HIS COURSE	3	FREE ELEC	1	COURSES TO BE RETAKEN	
TOTAL	17	TOTAL	14		
		3RD YEAR			
5TH SEMESTER	HRS	6TH SEMESTER	HRS	SUMMER SEMESTER	
CS 2220	3	REQ MAJOR COURSE	3	TAKE CC 2222 REFORE CC	
STAT 2210	3	REQ MAJOR COURSE	3	TAKE CS 3323 BEFORE CS 3329, CS 3332, CS 3370,	
REQ MAJOR COURSE	3	REQ MAJOR COURSE	3	CS 3372, CS 4420, CS	
REQ MAJOR COURSE	3	REQ MAJOR COURSE	3	4445, and CS 4448.	
AREA II HUM/FA COURSE	3	FREE ELEC	3		
TOTAL	15	TOTAL	15		
		4TH YEAR			
7TH SEMESTER	HRS	8TH SEMESTER	HRS	SUMMER SEMESTER	
REQ MAJOR COURSE	3	REQ MAJOR COURSE	3		
REQ MAJOR COURSE	3	REQ MAJOR COURSE	3		
APPROVED MAJ ELEC	3	APPROVED MAJ ELEC	3		
REQ MAJ COURSE	3	FREE ELEC	3		
FREE ELEC	3	FREE ELEC	3	LANGE TO THE MAN	
		THE RESERVE OF THE PARTY OF THE			
SUBMIT GRADUATION APPLICATION					
	15	TOTAL	15		

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 ART, MUSIC, THEATRE, FILM, OR OTHER FINE ARTS AREA.	3 HOURS 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, NURSING, 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,	3/1 HOURS				
OR OTHER SCIENCE AREAS.	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, HOSPITALITY, SPORT, AND TOURISM MANAGEMENT, INTERDISCIPLINARY STUDIES, NURSING, POLITICAL SCIENCE, PSYCHOLOGY, NUTRITION, 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 AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT.					
AREA V					
CS 2220 NUMERICAL METHODS MTH 1126 CALCULUS II TROY 1101 OR TROY 1105 CS 2250 COMPUTER SCIENCE I	3 HOURS 4 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. 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.



СОМРИТ		(48 HOURS)		
TAKE THE FOLLOWING COURSES:				
CS CS	2255 3310	COMPUTER SCIENCE II FOUNDATIONS OF COMPUTER SCIENCE		3 HOURS 3 HOURS
CS CS CS	3323 3329 3332	DATA STRUCTURES ANALYSIS OF ALGORITHMS SOFTWARE ENGINEERING I		3 HOURS 3 HOURS 3 HOURS
CS CS	3360 3365	CONCEPTS OF OBJECT PROGRAM I INTRO COMPUTER ORGANIZATION & ARCHITECTURE		3 HOURS 3 HOURS
CS CS	3370 3372	NATURE OF PROGRAMMING LANGUAGE FORMAL LANGUAGE & THEORY OF COMPUTATION		3 HOURS 3 HOURS
CS CS CS	4420 4445 4448	INTRODUCTION TO DATABASE SYSTEMS DATA COMMUNICATION & NETWORKING OPERATING SYSTEMS		3 HOURS 3 HOURS 3 HOURS
STAT	2210 2215	INTRODUCTORY STATISTICS APPLIED DISCRETE MATHEMATICS		3 HOURS 3 HOURS
MAJOR EI	LECTIVES			
SELECT TWO ADDITIONAL COURSES FROM THE FOLLOWING CS 3320, CS 3331, CS 4410, CS 4443, CS 4447, CS 4451 OR CS 4495.				6 HOURS
FREE ELECTIVES REQUIREMENT			(19 HOURS)	
TAKE 19 SEMESTER HOURS OF FREE ELECTIVE CREDIT (MTH 1112 AND MTH 1114 ARE RECOMMENDED BY THE DEPARTMENT AS A FREE ELECTIVES 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 SUBJECT 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.