

TROY
UNIVERSITY TMMY DEGREE MAPCOLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN
COMPUTER SCIENCE MAJOR-PROGRAM YEAR 2020-21

1 st Year	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5		
	DR FREE ELEC	3	AREA IV SS	3	ENG 1102/04	3	DR FREE ELEC	3	AREA II HUM/FA	3	
	MTH 1112		COURSE				MTH 1114		COURSE	1000	
	ENG 1101/03	3	AREA II FINE	3	AREA III	3/	AREA IV SS	3	START OF LIVE NAME		
	March R. A. P.	5-11	ARTS COURSE		PHY/CHM/SCI	1	COURSE			1.1	
					SEQ COURSE			1.1.1	A SPACERON FORDER		
	TROY 1101	1					the straight and		CARLES CONTRACTOR	11-11	
	TOTAL	7	TOTAL	6	TOTAL	7	TOTAL	6	TOTAL	3	
2 ND YEAR	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5		
	AREA II LIT	3	MTH 1125	4	MTH 1126	3	AREA IV SS	3	AREA IV HIS	3	
	COURSE						COURSE		COURSE		
	AREA III	3/	CS 2250	3	CS 2255	4	MTH 2215	3	FREE ELEC	3	
	PHY/CHM/SCI	1	ALC: 14-14							1.515	
	SEQ COURSE										
				_							
	TOTAL	7	TOTAL	7	TOTAL	7	TOTAL	6	TOTAL	6	
	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5		
	STAT 2210	3	REQ MAJ	3	REQ MAJ COURSE	3	REQ MAJ COURSE	3	FREE ELEC	1	
			COURSE						A MARKED AND A MARKED AND A		
3 rd YEAR	REQ MAJ	3	REQ MAJ	3	REQ MAJ COURSE	3	REQ MAJ COURSE	3	AREA II HUM/FA	3	
	COURSE	1000	COURSE						COURSE		
		126									
	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	4	
							The States and the				
	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5		
4 ^{тн} YEAR	REQ_MAJ	3	REQ MAJ	3	REQ MAJ COURSE	3	REQ MAJ COURSE	3	FREE ELEC	3	
	COURSE		COURSE		SPIT DESCRIPTION						
	APPROVED MAJ	3	FREE ELEC	3	FREE ELEC	3	APPROVED MAJ	3	FREE ELEC	3	
	ELEC	1.55					ELEC			1.11	
	TOTAL	6	TOTAL	6	TOTAL	<u> 6</u>	TON APPLICATION	6	TOTAL	6	
	TOTAL 6 TOTAL 6 TOTAL 6 TOTAL 6 TOTAL 6 TOTAL 6 TOTAL 70										
	TOTAL I ROGRAM 120										

NIVERSITY ™ COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN COMPUTER SCIENCE MAJOR-PROGRAM YEAR 2020-21

COMPLETE ALL REQUIREMENTS (50 HOURS) **AREA I** TAKE THE FOLLOWING COURSES: ENG 1101 ENG 1102 COMP AND MODERN ENGLISH I COMP AND MODERN ENGLISH II **3 HOURS 3 HOURS** MINIMUM GRADE OF "C" REQ **AREA II** TAKE ANY 1000 2000 LEVEL COURSE IN LITERATURE **3 HOURS** TAKE ANY 1000 2000 LEVEL COURSE WITH AN EXPANDED HISTORICAL **3 HOURS** 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 **6 HOURS** 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. 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 4 HOURS MINIMUM GRADE OF "C" REQ TAKE AN EIGHT-HOUR COURSE/LAB SEQUENCE IN CHEMISTRY OR PHYSICS 8 HOURS CHEMISTRY SEQUENCE CHM 1142/L142 AND CHM 1143/L143 OR PHYSICS SEQUENCE PHY 2252/L252 AND PHY 2253/L253 OR PHYSICS SEQUENCE PHY 2262/L262 AND PHY 2263/L263 PHYSICAL SCIENCE AND EARTH SCIENCE SCI 2233/L233 & SCI 2234/L234 PHYSICAL SCIENCE AND ASTRONOMY SCI 2233/L233 & SCI 2240/L240 **AREA IV** TAKE ANY 1000-2000 LEVEL COURSE WITH A PRIMARY FOCUS IN HISTORY 3 HOURS TAKE THREE 1000-2000 LEVEL COURSE FROM THE FOLLOWING SOCIAL 9 HOURS 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. **NOTE: A SEQUENCE IN LITERATURE OR HISTORY IS REQ. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT. AREA V** COMPUTER SCIENCE I **3 HOURS** CS 2250

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 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 COURSE-WORK IN AREAS II OR IV.

4 HOURS

1 HOUR

MTH 1126

TROY 1101

CALCULUS II

THE UNIVERSITY EXPERIENCE

IROY UNIVERSITY M COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN COMPUTER SCIENCE MAJOR-PROGRAM YEAR 2020-21

COMPUTER SCIENCE MAJOR

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TAKE THE FOLLOWING COURSES:

DR DENOTES DEPARTMENTAL RECOMMENDED COURSES.)

(48 HOURS)

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
STA	T 2210	INTRODUCTORY STATISTICS	3 HOURS
MTI	H 2215	APPLIED DISCRETE MATHEMATICS	3 HOURS
AJOR	ELECTIVE	S	
SELI	ECT TWO	ADDITIONAL COURSES FROM THE FOLLOWING	6 HOURS
		225, CS 3331, CS 3361, CS 4401, CS 4443, CS 4447, CS 4451,	
		162, OR CS 4495.	
REE EL	ECTIVES I	(22 HOURS	
TAK	e 22 seme	STER HOURS OF FREE ELECTIVE CREDIT	22 HOURS
(MT	H 1112 AN	D MTH 1114 ARE RECOMMENDED BY THE DEPARTMENT	
AS A	FREE ELE	CTIVES DUE TO BEING PREREQUISITE COURSES FOR MTH 1125.	

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.