TROY UNIVERSITY M MY DEGREE MAP COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN COMPUTER SCIENCE MAJOR-PROGRAM YEAR 2020-21

1 st YEAR							
1 st semester	HOURS	2 ND SEMESTER	HOURS				
TROY 1101	1	ENG 1102/04	3				
ENG 1101/03	3	AREA III PHY/CHM SEQ	3/1				
		COURSE					
DR FREE ELEC MTH 1112	3	DR FREE ELEC MTH 1114	3				
AREA IV SS COURSE	3	AREA IV SS COURSE	3				
AREA II FINE ARTS COURSE	3	AREA II HUM/FA COURSE	3				
TOTAL	13	TOTAL	16				
		(EAR					
3 RD SEMESTER	HOURS	4 th SEMESTER	HOURS				
AREA II LIT COURSE	3	MTH 1126	4				
MTH 1125	4	AREA IV SS COURSE	3				
AREA III PHY/CHM SEQ	3/1	MTH 2215	3				
COURSE							
CS 2250	3	CS 2255	3				
AREA IV HIS COURSE	3	FREE ELEC	1				
TOTAL	17	TOTAL	14				
3 RD YEAR							
5 th SEMESTER	HOURS	6 th SEMESTER	HOURS				
REQ MAJOR COURSE	HOURS 3	6 TH SEMESTER REQ_MAJOR COURSE	3				
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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 3 HOURS ENG 1102 COMP AND MODERN ENGLISH II MINIMUM GRADE OF "C" REQ **3 HOURS 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

INIVERSITY TM

CS	1120	COMPUTER SCIENCE I	3 HOURS
MTH		Calculus II	4 HOURS
TROY		The University Experience	1 HOUR

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 23% 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.

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

COMPUTER SCIENCE MAJOR

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(48 HOURS)

TAKE	THE FOLLO	OWING 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		
SELECT TWO ADDITIONAL COURSES FROM THE FOLLOWING CS 3320, CS 3325, CS 3331, CS 3361, CS 4401, CS 4443, CS 4447, CS 4451, CS 4461, CS 4462, OR CS 4495.			6 HOURS
FREE ELECTIVES REQUIREMENT		(22 HOURS)	
TAKE 22 SEMESTER HOURS OF FREE ELECTIVE CREDIT (MTH 1112 AND MTH 1114 ARE RECOMMENDED BY THE DEPARTMENT			22 HOURS

AS A FREE ELECTIVES DUE TO BEING PREREQUISITE COURSES FOR MTH 1125.

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 (AVAILABLE THROUGH TROJAN WEB EXPRESS), WHICH DEPICTS THE OFFICIAL DOCUMENT USED TO CLEAR STUDENTS FOR GRADUATION. MY DEGREE MAP INCLUDES THE REQUIRED COURSE WAR 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.