

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

1 st YEAR	term 1		term 2		term 3		term 4		term 5	
	MTH 1112 (DR)	3	AREA IV SS Course	3	ENG 1102/04	3	CS 2210	3	MTH 2201	3
	ENG 1101/03	3	AREA II HUM/FA Course	3	AREA III SCI/LAB Course	3/1	AREA IV SS COURSE	3		
	TROY 1101	1				TH.				
2 ND YEAR	TOTAL	7	TOTAL	6	TOTAL	7	TOTAL	6	TOTAL	3
	term 1		term 2		term 3		term 4		term 5	
	AREA II LIT Course	3	MTH 2215	3	CS 2255	3	AREA IV SS COURSE	3	AREA IV HIS Course	3
	AREA III SCI/LAB Course	3/1	CS 2250	3	AREA II HUM/FA Course	3	MINOR COURSE	3	AREA II FINE ARTS Course	3
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	TOTAL	7	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6
3 RD YEAR	term 1		term 2		term 3		term 4		term 5	
	CS 2265	3	MINOR COURSE	3	REQ MAJ COURSE	3	REQ MAJ COURSE	3	FREE ELEC	3
	REQ MAJ COURSE	3	MINOR COURSE	3	FREE ELEC	3	FREE ELEC	3	MINOR COURSE	3
	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6
	term 1		term 2		term 3		term 4		term 5	
	REQ MAJ COURSE	3	REQ MAJ COURSE	3	APPROVED MAJ ELEC	3	APPROVED MAJ ELEC	3	FREE ELEC	3
4 TH YEAR	APPROVED MAJ ELEC	3	MINOR COURSE	3	REQ MAJ COURSE	3	MINOR COURSE	3	FREE ELEC	3
	Charles In the Charles						TION APPLICATION			
	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6
	TOTAL PROGRAM 12									



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COMPLETE ALL REQUIREMENTS (48 HOURS) **AREA I** TAKE THE FOLLOWING COURSES: COMP AND MODERN ENGLISH I ENG 1101 3 HOURS COMP AND MODERN ENGLISH II ENG 1102 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 2201 CALCULUS AND ITS APPLICATIONS 3 HOURS MINIMUM GRADE OF "C" REQ TAKE ANY TWO 1000-2000 LEVEL SCIENCE CLASSES (CLASS 8 HOURS AND CORRESPONDING LAB) FROM THE FOLLOWING SCIENCE DISCIPLINES: BIOLOGY, CHEMISTRY, PHYSICS, PHYSICAL SCIENCE, OR OTHER SCIENCE AREAS. SELECT 2: BIO 1100/L100, BIO 1101/L101, BIO 1120/L120, BIO 2229/L229, CHM 1115/L115, 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.

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.

NOTE: A SEQUENCE IN LITERATURE OR HISTORY IS REQ. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT.

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 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 WINTH 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,



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PPLIED (SCIENCE MAJOR	(36 HOURS	
MTH	2215	APPLIED DISCRETE MATHEMATICS	3 HOURS
TROY	1101	THE UNIVERSITY EXPERIENCE	1 HOUR
CS	2210	COMPUTER CONCEPTS AND APPLICATIONS	3 HOURS

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TAK	E THE FOL	LOWING COURSES:	
CS	2250	COMPUTER SCIENCE I	3 HOURS
CS	2255	COMPUTER SCIENCE II	3 HOURS
CS	2265	ADVANCED PROGRAMMING I	3 HOURS
CS	3330	DATA STRUCTURE & ALGORITHMS	3 HOURS
CS	4420	INTRODUCTION TO DATABASE SYSTEMS	3 HOURS
CS	4443	WEB-BASED SOFTWARE DEVELOPMENT	3 HOURS
CS	4445	DATA COMMUNICATION & NETWORKING	3 HOURS
CS	4447	SYSTEMS ANALYSIS AND DESIGN	3 HOURS
CS	4448	OPERATING SYSTEMS	3 HOURS

MAIOR ELECTIVES

SELECT THREE ADDITIONAL COURSES FROM THE FOLLOWING	9 HOURS
CS 3320, CS 3332, CS 3347, CS 4449, CS 4451, CS 4495, CS 4499, CS 4480, OR CS 4410	

MINOR (18 HOURS)

AT LEAST ONE 18 SEMESTER HOUR MINOR IS REQUIRED TO COMPLETE THIS DEGREE PROGRAM. ADDITIONAL MAJORS ARE ACCEPTABLE.

FREE ELECTIVES REQUIREMENT

TAKE 18 SEMESTER HOURS OF FREE ELECTIVE CREDIT (MTH 1112 PRECALCULUS ALGEBRA IS RECOMMENDED BY THE DEPARTMENT AS A FREE ELECTIVE DUE TO BEING A PREREQUISITE COURSE FOR MTH 2201 AND MTH 2215. DR DENOTES DEPARTMENTAL RECOMMENDED COURSE.)

(18 HOURS) 18 HOURS

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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. 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.