

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

	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
1ST YEAR	MTH 1112 (DR)	3	AREA IV SS COURSE	3	ENG 1102/04	3	IS 2241	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								
	TOTAL	7	TOTAL	6	TOTAL	7	TOTAL	6	TOTAL	3
2ND YEAR	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
	TOTAL	7	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6
3RD 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
4TH YEAR	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
	APPROVED MAJ ELEC	3	MINOR COURSE	3	REQ MAJ COURSE	3	MINOR COURSE	3	FREE ELEC	3
					SUBMIT GRADUATION APPLICATION					
	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6
TOTAL PROGRAM 120										

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

COMPLETE ALL REQUIREMENTS

(48 HOURS)

AREA I

TAKE THE FOLLOWING COURSES:

ENG 1101	COMP AND MODERN ENGLISH I	3 HOURS
ENG 1102	COMP AND MODERN ENGLISH II	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 AND CULTURAL SCOPE IN FINE ARTS, INCLUDING THE DISCIPLINES OF ART, MUSIC, THEATRE, FILM, OR OTHER FINE ARTS AREA.	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, PHILOSOPHY, CLASSICS, THEATRE, MUSIC, DANCE, COMMUNICATION, SIGN LANGUAGE, INTERDISCIPLINARY STUDIES, OR OTHER HUMANITIES/FINE ARTS AREAS.	6 HOURS
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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 MINIMUM GRADE OF "C" REQ	3 HOURS
TAKE ANY TWO 1000-2000 LEVEL SCIENCE CLASSES (CLASS 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 1110/L110, SCI 2233/L233, SCI 2234/L234, SCI 2240/L240.	8 HOURS

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 SCIENCE DISCIPLINES: ANTHROPOLOGY, BUSINESS, CRIMINAL JUSTICE, ECONOMICS, EDUCATION, FINANCE, GEOGRAPHY, HISTORY, HUMAN SERVICES, LEADERSHIP, INTERDISCIPLINARY STUDIES, NURSING, POLITICAL SCIENCE, PSYCHOLOGY, RELIGION, SOCIAL WORK, SOCIOLOGY, OR OTHER SOCIAL SCIENCE AREAS.	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

IS 2241	COMPUTER CONCEPTS AND APPLICATIONS	3 HOURS
TROY 1101	THE UNIVERSITY EXPERIENCE	1 HOUR
MTH 2215	APPLIED DISCRETE MATHEMATICS	3 HOURS

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APPLIED COMPUTER SCIENCE MAJOR

(36 HOURS)

TAKE THE FOLLOWING 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

MAJOR ELECTIVES

SELECT THREE ADDITIONAL COURSES FROM THE FOLLOWING

CS 3320, CS 3332, CS 3347, CS 4449, CS 4451, CS 4495, CS 4499, CS 4480, OR CS 4410

9 HOURS

MINOR

(18 HOURS)

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

FREE ELECTIVES REQUIREMENT

(18 HOURS)

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