

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

	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
1 <sup>ST</sup> YEAR	MTH 1112 (DR)	3	AREA IV SS COURSE	3	ENG 1102/04	3	MTH 1114 (DR)	3	AREA II HUM/FA COURSE	3
	ENG 1101/03	3	AREA II FINE ARTS COURSE	3	AREA III PHY/CHM/SCI SEQ COURSE	3/1	AREA IV SS COURSE	3		
	TROY 1101	1								
	TOTAL	7	TOTAL	6	TOTAL	7	TOTAL	6	TOTAL	3
2 <sup>ND</sup> YEAR	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
	AREA II LIT COURSE	3	MTH 1125	4	MTH 1126	3	AREA IV SS COURSE	3	AREA IV HIS COURSE	3
	AREA III PHY/CHM/SCI SEQ COURSE	3/1	CS 2250	3	CS 2255	4	MTH 2215	3	FREE ELEC	3
	TOTAL	7	TOTAL	7	TOTAL	7	TOTAL	6	TOTAL	6
3 <sup>RD</sup> YEAR	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
	STAT 2210	3	REQ MAJ COURSE	3	REQ MAJ COURSE	3	REQ MAJ COURSE	3	FREE ELEC	1
	REQ MAJ COURSE	3	REQ MAJ COURSE	3	REQ MAJ COURSE	3	REQ MAJ COURSE	3	AREA II HUM/FA COURSE	3
	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	4
4 <sup>TH</sup> YEAR	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
	REQ MAJ COURSE	3	REQ MAJ COURSE	3	REQ MAJ COURSE	3	REQ MAJ COURSE	3	FREE ELEC	3
	APPROVED MAJ ELEC	3	FREE ELEC	3	FREE ELEC	3	APPROVED MAJ ELEC	3	FREE ELEC	3
	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6
<b>SUBMIT GRADUATION APPLICATION</b>										
<b>TOTAL PROGRAM 120</b>										

## 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	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 1125	CALCULUS 1	4 HOURS
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MINIMUM GRADE OF "C" REQ

TAKE AN EIGHT-HOUR COURSE/LAB SEQUENCE IN CHEMISTRY OR PHYSICS	8 HOURS
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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
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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.	9 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 V

CS 2250	COMPUTER SCIENCE I	3 HOURS
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MTH 1126	CALCULUS II	4 HOURS
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TROY 1101	THE UNIVERSITY EXPERIENCE	1 HOUR
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**COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN  
COMPUTER SCIENCE MAJOR-PROGRAM YEAR 2020-21**

**COMPUTER SCIENCE MAJOR**

**(48 HOURS)**

TAKE THE FOLLOWING 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	2210	INTRODUCTORY STATISTICS	3 HOURS
MTH	2215	APPLIED DISCRETE MATHEMATICS	3 HOURS

**MAJOR ELECTIVES**

SELECT TWO ADDITIONAL COURSES FROM THE FOLLOWING	6 HOURS
CS 3320, CS 3325, CS 3331, CS 3361, CS 4401, CS 4443, CS 4447, CS 4451, CS 4461, CS 4462, OR CS 4495.	

**FREE ELECTIVES REQUIREMENT**

**(22 HOURS)**

TAKE 22 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. DR DENOTES DEPARTMENTAL RECOMMENDED COURSES.)	22 HOURS
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