

1 <sup>ST</sup> YEAR	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
	DR FREE ELEC MTH 1112	3	AREA IV SS COURSE	3	ENG 1102/04	3	DR FREE ELEC MTH 1114	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
					SUBMIT GRADUATION APPLICATION					
	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6
	TOTAL PROGRAM 120									





## 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  
ENG 1102 COMP AND MODERN ENGLISH II  
MINIMUM GRADE OF "C" REQ

3 HOURS  
3 HOURS

#### AREA II

TAKE ANY 1000 2000 LEVEL COURSE IN LITERATURE  
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.  
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.

3 HOURS  
3 HOURS  
6 HOURS

**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  
MINIMUM GRADE OF "C" REQ  
TAKE AN EIGHT-HOUR COURSE/LAB SEQUENCE IN CHEMISTRY OR PHYSICS  
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

4 HOURS  
8 HOURS

#### 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.

3 HOURS  
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

CS 2250 COMPUTER SCIENCE I  
MTH 1126 CALCULUS II  
TROY 1101 THE UNIVERSITY EXPERIENCE

3 HOURS  
4 HOURS  
1 HOUR





## 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

22 HOURS

(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.)