



**MY DEGREE MAP**  
**COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN**  
**APPLIED COMPUTER SCIENCE MAJOR-PROGRAM YEAR 2024-25**

1 <sup>ST</sup> 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	NOTE: SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR COURSES TO BE RETAKEN	
	TROY 1101 OR TROY 1105	1								
	<b>TOTAL</b>	<b>7</b>	<b>TOTAL</b>	<b>6</b>	<b>TOTAL</b>	<b>7</b>	<b>TOTAL</b>	<b>6</b>	<b>TOTAL</b>	<b>3</b>
2 <sup>ND</sup> 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
	<b>TOTAL</b>	<b>7</b>	<b>TOTAL</b>	<b>6</b>	<b>TOTAL</b>	<b>6</b>	<b>TOTAL</b>	<b>6</b>	<b>TOTAL</b>	<b>6</b>
3 <sup>RD</sup> YEAR	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
	TAKE CS 3330 BEFORE CS 4420, CS 4443, CS 4445, CS 4447, AND CS 4448 (DO NOT NEED TO BE TAKEN IN ORDER)									
	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
	<b>TOTAL</b>	<b>6</b>	<b>TOTAL</b>	<b>6</b>	<b>TOTAL</b>	<b>6</b>	<b>TOTAL</b>	<b>6</b>	<b>TOTAL</b>	<b>6</b>
4 <sup>TH</sup> 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
					<b>SUBMIT GRADUATION APPLICATION</b>					
	<b>TOTAL</b>	<b>6</b>	<b>TOTAL</b>	<b>6</b>	<b>TOTAL</b>	<b>6</b>	<b>TOTAL</b>	<b>6</b>	<b>TOTAL</b>	<b>6</b>
									<b>TOTAL PROGRAM</b>	<b>120</b>

**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 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,  
NURSING, 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.

**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,  
HOSPITALITY, SPORT, AND TOURISM MANAGEMENT, 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**

CS 2210	COMPUTER CONCEPTS AND APPLICATIONS	3 HOURS
TROY 1101 OR TROY 1105		1 HOUR
MTH 2215	APPLIED DISCRETE MATHEMATICS	3 HOURS

**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 APPLICATION 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	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**

**(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
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