TROY UNIVERSITY ™

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

1ST YEAR

TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
MTH 1112 (DR FREE ELEC)	3	AREA IV SS COURSE	3	ENG 1102/04	3	MTH 1114 (DR FREE ELEC)	3	AREA II HUM/FA COURSE	3
ENG 1101/03	3	AREA II FINE ARTS COURSE	3	AREA III PHY 2252L252 OR PHY 2262/L262	3/1	AREA IV SS COURSE	3		
TROY 1101 OR TROY 1105	1							NOTE: SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR COURSES TO BE RETAKEN	
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	AREA IV HIS COURSE	3	MTH 1125	4	AREA IV SS COURSE	3	MTH 1126	4
AREA III SCI/LAB COURSE	3/1	CS 2250	3	CS 2255	3	MTH 2215	3	FREE ELEC	3
TOTAL	**7**	**TOTAL**	**6**	**TOTAL**	**7**	**TOTAL**	**6**	**TOTAL**	**7**

3RD YEAR

TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
Take CS 3323 before CS 3329, CS 3332 , CS 3370, CS 3372, CS 4420, CS 4445, and CS 4448.									
STAT 2210	3	AREA II HUM/FA COURSE	3	REQ MAJ COURSE	3	REQ MAJ COURSE	3	REQ MAJ COURSE	3
CS 2220	3	REQ MAJ COURSE	3	REQ MAJ COURSE	3	FREE ELEC	3	FREE ELEC	1
TOTAL	**6**	**TOTAL**	**6**	**TOTAL**	**6**	**TOTAL**	**6**	**TOTAL**	**4**

4TH 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
REQ MAJ COURSE	3	REQ MAJ COURSE	3	FREE ELEC	3	APPROVED MAJ ELEC	3	APPROVED MAJ ELEC	3
				SUBMIT GRADUATION APPLICATION					
TOTAL	**6**	**TOTAL**	**6**	**TOTAL**	**6**	**TOTAL**	**6**	**TOTAL**	**6**
								TOTAL	**120**

COMPLETE ALL REQUIREMENTS (53 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	1125	CALCULUS 1	4 HOURS

MINIMUM GRADE OF "C" REQ
TAKE ONE OF THE FOLLOWING:
PHY 2252/L252 OR PHY 2262/L262 — 3/1 HOURS
TAKE ANY 1000-2000 LEVEL SCIENCE CLASS, THAT HAS NOT ALREADY BEEN TAKEN,
FROM THE FOLLOWING SCIENCE DISCIPLINES: BIOLOGY, CHEMISTRY, PHYSICS, PHYSICAL SCIENCE,
OR OTHER SCIENCE AREAS. — 3/1 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 — 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, NUTRITION, 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	2220	NUMERICAL METHODS	3 HOURS
MTH	1126	CALCULUS II	4 HOURS
TROY	1101 OR TROY 1105		1 HOUR
CS	2250	COMPUTER SCIENCE I	3 HOURS

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 3331, CS 4410, CS 4443, CS 4447, CS 4451, OR CS 4495.

FREE ELECTIVES REQUIREMENT (19 HOURS)

TAKE 19 SEMESTER HOURS OF FREE ELECTIVE CREDIT 19 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.)