TROY UNIVERSITY ™

MY DEGREE MAP
COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN
COMPUTER SCIENCE MAJOR–PROGRAM YEAR 2023-24

1ST YEAR			
1ST SEMESTER	**HRS**	**2ND SEMESTER**	**HRS**
TROY 1101	1	ENG 1102/04	3
ENG 1101/03	3	AREA III PHY 2252/L252 OR PHY 2262/L262	3/1
DR FREE ELEC MTH 1112	3	DR FREE ELEC MTH 1114	3
AREA IV SS COURSE	3	AREA IV SS COURSE	3
AREA II FINE ARTS COURSE	3	AREA II HUM/FA COURSE	3
TOTAL	**13**	**TOTAL**	**16**
2ND YEAR			
3RD SEMESTER	**HRS**	**4TH SEMESTER**	**HRS**
AREA II LIT COURSE	3	MTH 1126	4
MTH 1125	4	AREA IV SS COURSE	3
AREA III SCI/LAB COURSE	3/1	MTH 2215	3
CS 2250	3	CS 2255	3
AREA IV HIS COURSE	3	FREE ELEC	1
TOTAL	**17**	**TOTAL**	**14**
3RD YEAR			
5TH SEMESTER	**HRS**	**6TH SEMESTER**	**HRS**
CS 2220	3	REQ MAJOR COURSE	3
STAT 2210	3	REQ MAJOR COURSE	3
REQ MAJOR COURSE	3	REQ MAJOR COURSE	3
REQ MAJOR COURSE	3	REQ MAJOR COURSE	3
AREA II HUM/FA COURSE	3	FREE ELEC	3
TOTAL	**15**	**TOTAL**	**15**
4TH YEAR			
7TH SEMESTER	**HRS**	**8TH SEMESTER**	**HRS**
REQ MAJOR COURSE	3	REQ MAJOR COURSE	3
REQ MAJOR COURSE	3	REQ MAJOR COURSE	3
APPROVED MAJ ELEC	3	APPROVED MAJ ELEC	3
REQ MAJ COURSE	3	FREE ELEC	3
FREE ELEC	3	FREE ELEC	3
SUBMIT GRADUATION APPLICATION			
TOTAL	15	**TOTAL**	15
		TOTAL PROGRAM	**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 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

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. 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 2233/L233, SCI 2234/L234, SCI 2240/L240.   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 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

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	THE UNIVERSITY EXPERIENCE	1 HOUR
CS	2250	COMPUTER SCIENCE I	3 HOURS

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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 4410, CS 4443, CS 4447, CS 4451,
CS 4461, OR CS 4462.

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.)