

MY DEGREE MAP

COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN

COMPUTER SCIENCE MAJOR-PROGRAM YEAR 2020-21

1 ST YEAR			
1 ST SEMESTER	HOURS	2 ND SEMESTER	HOURS
TROY 1101	1	ENG 1102/04	3
ENG 1101/03	3	AREA III PHY/CHM SEQ COURSE	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
2 ND YEAR			
3 RD SEMESTER	HOURS	4 TH SEMESTER	HOURS
AREA II LIT COURSE	3	MTH 1126	4
MTH 1125	4	AREA IV SS COURSE	3
AREA III PHY/CHM SEQ COURSE	3/1	MTH 2215	3
CS 2250	3	CS 2255	3
AREA IV HIS COURSE	3	FREE ELEC	1
TOTAL	17	TOTAL	14
3 RD YEAR			
5 TH SEMESTER	HOURS	6 TH SEMESTER	HOURS
REQ MAJOR COURSE	3	REQ MAJOR COURSE	3
REQ MAJOR COURSE	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
4 TH YEAR			
7 TH SEMESTER	HOURS	8 TH SEMESTER	HOURS
REQ MAJOR COURSE	3	REQ MAJOR COURSE	3
REQ MAJOR COURSE	3	REQ MAJOR COURSE	3
APPROVED MAJ ELEC	3	APPROVED MAJ ELEC	3
FREE ELEC	3	FREE ELEC	3
FREE ELEC	3	FREE ELEC	3
SUBMIT GRADUATION APPLICATION			
TOTAL	15	TOTAL	15
		TOTAL PROGRAM	120



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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.

3 HOURS

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 I
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



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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 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