

MY DEGREE MAP
COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN
COMPUTER SCIENCE PROGRAM – PROGRAM YEAR 2015-16

	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5			
	1ST YEAR	ENG 1101/03	3	AREA IV SS COURSE	3	ENG 1102/04	3	AREA IV SS COURSE	3	TROY 1101	1	
MTH 1112		3	AREA II FINE ARTS COURSE	3	AREA III PHY/CHM SEQ COURSE	3/1	FREE ELEC	3	MTH 1114	3		
TOTAL		6	TOTAL		6	TOTAL		6	TOTAL		4	
FALL SEMESTER					SPRING SEMESTER					SUMMER SEMESTER		
TROY 1101		1	AREA II FINE ARTS COURSE	3	ENG 1102/04	3	FREE ELEC	3	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN			
ENG 1101/03		3	AREA IV SS COURSE	3	AREA III PHY/CHM SEQ COURSE	3/1	MTH 1114	3				
MTH 1112		3			AREA IV SS COURSE	3						
TOTAL 13					TOTAL 16							
2ND YEAR	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5			
	AREA II LIT COURSE	3	MTH 1125	4	CS 2255	3	AREA IV SS COURSE	3	AREA II HUM/FA COURSE	3		
	AREA III PHY/CHM SEQ COURSE	3/1	CS 2250	3	MTH 1126	4	MTH 2215	3	AREA IV HIS COURSE	3		
	TOTAL		7	TOTAL		7	TOTAL		6	TOTAL		6
	FALL SEMESTER					SPRING SEMESTER					SUMMER SEMESTER	
	AREA II LIT COURSE	3	CS 2250	3	AREA IV SS COURSE	3	MTH 2215	3	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN			
	AREA III PHY/CHM SEQ COURSE	3/1	AREA II HUM/FA COURSE	3	MTH 1126	4	AREA IV HIS COURSE	3				
MTH 1125	4			CS 2255	3							
TOTAL 17					TOTAL 16							
3RD 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	AREA II HUM/FA COURSE	3		
	REQ MAJ COURSE	3	MTH 2210	3	REQ MAJ COURSE	3	REQ MAJ COURSE	3	FREE ELEC	1		
	TOTAL		6	TOTAL		6	TOTAL		6	TOTAL		4
	FALL SEMESTER					SPRING SEMESTER					SUMMER SEMESTER	
	REQ MAJ COURSE	3	MTH 2210	3	REQ MAJ COURSE	3	REQ MAJ COURSE	3	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN			
	REQ MAJ COURSE	3	AREA II HUM/FA COURSE	3	REQ MAJ COURSE	3	FREE ELEC	1				
REQ MAJ COURSE	3			REQ MAJ COURSE	3							
TOTAL 15					TOTAL 13							
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	APPROVED MAJ ELEC	3		
	FREE ELEC	3	FREE ELEC	3	FREE ELEC	3	FREE ELEC	3	APPROVED MAJ ELEC	3		
	TOTAL		6	TOTAL		6	TOTAL		6	TOTAL		6
	FALL SEMESTER					SPRING SEMESTER					SUMMER SEMESTER	
	REQ MAJ COURSE	3	FREE ELEC	3	REQ MAJ COURSE	3	FREE ELEC	3	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN			
	REQ MAJ COURSE	3	FREE ELEC	3	REQ MAJ COURSE	3	FREE ELEC	3				
APPROVED MAJ ELEC	3			APPROVED MAJ ELEC	3							
REMEMBER TO FILE YOUR INTENT TO GRADUATE TOTAL 15					REMEMBER TO FILE YOUR INTENT TO GRADUATE TOTAL 15							
TOTAL PROGRAM 120												

COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN
COMPUTER SCIENCE PROGRAM – PROGRAM YEAR 2015-16

COMPLETE ALL 6 SUB-REQUIREMENTS (50 HOURS)

A. AREA I:

TAKE THE FOLLOWING COURSES:

MINIMUM GRADE OF "C" REQUIRED

ENG-1101 COMP AND MODERN ENGLISH I 3 HOURS

ENG-1102 COMP AND MODERN ENGLISH II 3 HOURS

B. AREA II:

TAKE ANY 1000-2000 LEVEL COURSE IN LITERATURE 3 HOURS

TAKE ANY 1000-2000 LEVEL COURSE WITH AN EXPANDED HISTORICAL AND 3 HOURS

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 6 HOURS

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.

C. AREA III:

TAKE MTH 1125 ("C" OR BETTER) 4 HOURS

TAKE AN EIGHT-HOUR COURSE/LAB SEQUENCE IN CHEMISTRY OR PHYSICS 8 HOURS

CHEMISTRY SEQUENCE CHM 1142/L142 AND CHM 1143/L143

OR

PHYSICS SEQUENCE PHY 2252/L252 AND PHY 2253/L253

D. AREA IV:

TAKE THE FOLLOWING COURSES:

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 9 HOURS

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.

E. AREA V:

TAKE THE FOLLOWING COURSES:

CS 2250 COMPUTER SCIENCE I 3 HOURS

MTH 1126 CALCULUS II 4 HOURS

TROY 1101 UNIVERSITY ORIENTATION 1 HOUR

EVERY REASONABLE ATTEMPT TO ENSURE ACCURACY HAS BEEN MADE. SOME COURSES (SUCH AS DEVELOPMENTAL OR PRE-REQUISITE COURSES) ARE NOT REFLECTED IN THIS DEGREE MAP. COMPLETION OF DEGREE REQUIREMENTS IS BASED ON THE SPECIFIC CATALOG YEAR FOR EACH STUDENT.

A MINIMUM OF 120 HOURS IS REQUIRED FOR ALL BACCALAUREATE DEGREE PROGRAMS.

AT LEAST 50% OF REQUIRED COURSEWORK MUST BE EARNED AT A SENIOR INSTITUTION.

AT LEAST 25% OF THE CREDIT HOURS REQUIRED FOR THE DEGREE MUST BE COMPLETED IN RESIDENCY WITH TROY UNIVERSITY.

AT LEAST 12 SEMESTER HOURS OF RESIDENCY MUST BE COMPLETED IN EACH MAJOR FIELD(S) OF STUDY.

A MINIMUM GPA OF 2.0 OVERALL AND IN THE MAJOR IS REQUIRED TO GRADUATE.

NOTE: PLEASE CONSULT THE COLLEGE OF ARTS & SCIENCE OR CURRENT CATALOG FOR OTHER REQUIREMENTS NOT COVERED IN THIS DOCUMENT.

NOTES: A SEQUENCE IN LITERATURE OR HISTORY IS REQUIRED. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT.

**COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN
COMPUTER SCIENCE PROGRAM – PROGRAM YEAR 2015-16**

COMPUTER SCIENCE PROGRAM

(37 HOURS)

MINIMUM 2.0 OVERALL GPA REQUIRED

MINIMUM GRADE OF 'C' REQUIRED IN ALL 2000 LEVEL COURSES

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
MTH 2210	APPLIED STATISTICS	3 HOURS
MTH 2215	APPLIED DISCRETE MATHEMATICS	3 HOURS

MAJOR ELECTIVES

(6 HOURS)

TAKE 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 16 SEMESTER HOURS OF FREE ELECTIVE CREDIT.

16 HOURS

TAKE PREREQUISITES MTH 1112 AND MTH 1114

6 HOURS