



**MY DEGREE MAP**  
 COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN  
 APPLIED COMPUTER SCIENCE MAJOR ... PROGRAM YEAR 2015-16

<b>1<sup>st</sup> Year</b>	Term 1		Term 2		Term 3		Term 4		Term 5	
	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 HUM/FA COURSE	3	AREA III SCI/LAB COURSE	3/1	IS 2241	3	MTH 2201	3
	TOTAL	6	TOTAL	6	TOTAL	7	TOTAL	6	TOTAL	4
	Fall Semester				Spring Semester				Summer Semester	
	TROY 1101	1	AREA II HUM/FA COURSE	3	ENG 1102/04	3	MTH 2201	3	<small>Select courses that have not been completed from previous terms or semesters as prerequisite courses or courses to be retaken</small>	

Complete all 6 sub-requirements (48 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 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

C. AREA III:

Take MTH 2201 ("C" or better) 3 hours

Take any two 1000-2000 level science classes (class And corresponding lab both required) from the following science Disciplines: biology, chemistry, physics, physical science, or other Science areas. Select 2: BIO-1100/L100, BIO 1101/L101, BIO 2202/L202, BIO 2229/L229, CHM 1115/L115, 8 hours



APPLIED COMPUTER SCIENCE MAJOR

(27 hours)

Minimum 2.0 overall GPA Required

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-Based Software 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

(9 hours)

Take Three Additional Courses From The Following:

9 hours

CS 3320, CS 3332, CS 3347, CS 4449, CS 4451 OR CS 4495

MINOR

(18 hours)

At Least One 18 Semester Hour Minor Is Required To Complete This Degree Program. Additional Majors Are Also Acceptable.

FREE ELECTIVES REQUIREMENT

(18 hours)

Take 18 semester hours of free elective credit

18 Hours