

1st YEAR	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			

# COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN APPLIED COMPUTER SCIENCE MAJOR-PROGRAM YEAR 2017-18

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, 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. 8 hours

## D. AREA IV:

Take The Following Courses:

Take any 1000-2000 level course with a primary focus in history 3 hours

Take Any 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

## E. AREA V:

Take the following courses: IS 2241 Computer Concepts & Applications 3 hours

MTH 2215 Applied Discrete Mathematics 3 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 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 And Sciences 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 APPLIED COMPUTER SCIENCE MAJOR-PROGRAM YEAR 2017-18

## 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:

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

9 hours

## 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