My Degree Map
College of Arts and Sciences Approved Academic Plan
Applied Computer Science Major–Program Year 2019-2020

1ST YEAR

TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
MTH 1112 (DR)	3	AREA IV SS COURSE	3	ENG 1102/04	3	IS 2241	3	AREA II HUM/FA COURSE	3
ENG 1101/03	3	AREA II HUM/FA COURSE	3	AREA III SCI/LAB COURSE	3/1	AREA IV SS COURSE	3		
TROY 1101	1								
TOTAL	7	TOTAL	6	TOTAL	7	TOTAL	6	TOTAL	3

2ND YEAR

TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
AREA II LIT COURSE	3	AREA IV HIS COURSE	3	AREA IV SS COURSE	3	MINOR COURSE	3	FREE ELEC	3
AREA III SCI/LAB COURSE	3/1	APPROVED MAJ ELEC	3	AREA II FINE ARTS COURSE	3	APPROVED MAJ ELEC	3	FREE ELEC	3
TOTAL	7	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6

3RD YEAR

TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
REQ MAJ COURSE	3	MINOR COURSE	3	REQ MAJ COURSE	3	MINOR COURSE	3	FREE ELEC	3
REQ MAJ COURSE	3	APPROVED MAJ ELEC	3	APPROVED MAJ ELEC	3	APPROVED MAJ ELEC	3	FREE ELEC	3
TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6

4TH YEAR

TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
REQ MAJ COURSE	3	FREE ELEC	3	SS 4499	3	MINOR COURSE	3	FREE ELEC	3
APPROVED MAJ ELEC	3	MINOR COURSE	3	APPROVED MAJ ELEC	3	MINOR COURSE	3	FREE ELEC	3
				SUBMIT GRADUATION APPLICATION					
TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6

TOTAL PROGRAM 120

TROY UNIVERSITY ™

COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN
APPLIED COMPUTER SCIENCE MAJOR–-PROGRAM YEAR 2019-2020

COMPLETE ALL REQUIREMENTS   **(48 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   3 HOURS
AND 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   6 HOURS
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.

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

AREA III

MTH 2201 CALCULUS AND ITS APPLICATIONS   3 HOURS
MINIMUM GRADE OF "C" REQ
TAKE ANY TWO 1000-2000 LEVEL SCIENCE CLASSES (CLASS   8 HOURS
AND CORRESPONDING LAB) FROM THE FOLLOWING SCIENCE
DISCIPLINES: BIOLOGY, CHEMISTRY, PHYSICS, PHYSICAL SCIENCE, OR OTHER
SCIENCE AREAS. SELECT 2: 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.

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   9 HOURS
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.

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

TROY UNIVERSITY ™

COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN
APPLIED COMPUTER SCIENCE MAJOR–-PROGRAM YEAR 2019-2020

AREA V

IS	2241	COMPUTER CONCEPTS AND APPLICATIONS	3 HOURS
TROY	1101	UNIVERSITY ORIENTATION	1 HOUR
MTH	2215	APPLIED DISCRETE MATHEMATICS	3 HOURS

APPLIED COMPUTER SCIENCE MAJOR   (36 HOURS)

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

SELECT THREE ADDITIONAL COURSES FROM THE FOLLOWING   9 HOURS
CS 3320, CS 3332, CS 3347, CS 4449, CS 4451, CS 4495, CS 4499, CS 4480, OR CS 4410

MINOR   (18 HOURS)

AT LEAST ONE 18 SEMESTER HOUR MINOR IS REQUIRED TO COMPLETE THIS DEGREE
PROGRAM. ADDITIONAL MAJORS ARE ACCEPTABLE.

FREE ELECTIVES REQUIREMENT   (18 HOURS)

TAKE 18 SEMESTER HOURS OF FREE ELECTIVE CREDIT   18 HOURS
(MTH 1112 PRECALCULUS ALGEBRA IS RECOMMENDED BY THE DEPARTMENT
AS A FREE ELECTIVE DUE TO BEING A PREREQUISITE COURSE FOR MTH 2201
AND MTH 2215. DR DENOTES DEPARTMENTAL RECOMMENDED COURSE.)