TROY UNIVERSITY™

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

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	
TROY 1101	1	AREA II HUM/FA COURSE	3	ENG 1102/04	3	MTH 2201	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 SCI/LAB COURSE	3/1	IS 2241	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 2215	3	CS 2255	3	AREA IV SS COURSE	3	AREA IV HIS COURSE	3
AREA III SCI/LAB COURSE	3/1	CS 2250	3	AREA II HUM/FA COURSE	3	MINOR COURSE	3	AREA II FINE ARTS COURSE	3
TOTAL	7	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6

FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER	
AREA II LIT COURSE	3	CS 2250	3	AREA IV SS COURSE	3	MINOR COURSE	3	Select courses that have not been completed from previous terms or semesters as prerequisite courses or courses to be retaken	
AREA III SCI/LAB COURSE	3/1	MTH 2215	3	AREA II HUM/FA COURSE	3	AREA II FINE ARTS COURSE	3		
AREA IV HIS COURSE	3			CS 2255	3				
				TOTAL 16				TOTAL 15	

3RD YEAR

TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
CS 2265	3	MINOR COURSE	3	REQ MAJ COURSE	3	REQ MAJ COURSE	3	FREE ELEC	3
REQ MAJ COURSE	3	MINOR COURSE	3	FREE ELEC	3	FREE ELEC	3	MINOR COURSE	3
TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6

FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER	
CS 2265	3	MINOR COURSE	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		
MINOR COURSE	3			MINOR COURSE	3				
				TOTAL 15				TOTAL 15	

4TH YEAR

TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
REQ MAJ COURSE	3	REQ MAJ COURSE	3	APPROVED MAJ ELEC	3	APPROVED MAJ ELEC	3	FREE ELEC	3
APPROVED MAJ ELEC	3	MINOR COURSE	3	REQ MAJ COURSE	3	MINOR COURSE	3	FREE ELEC	3
TOTAL	6	TOTAL	6	**Remember to File Your Intent to Graduate** TOTAL	6	TOTAL	6	TOTAL	6

FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER	
REQ MAJ COURSE	3	MINOR COURSE	3	REQ MAJ COURSE	3	MINOR 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	FREE ELEC	3	APPROVED MAJ ELEC	3	FREE ELEC	3		
APPROVED MAJ ELEC	3			APPROVED MAJ ELEC	3				
Remember to File Your Intent to Graduate		TOTAL 15				TOTAL 15			

TOTAL PROGRAM 120

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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

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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