

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

	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	
1 ST	TOTAL	6	TOTAL	6	TOTAL	7	TOTAL	6	TOTAL 4	
YEAR	FALL SEMESTER				Spring Semester				SUMMER SEMESTER	
I LI IIX	TROY 1101	1	AREA II HUM/FA COURSE	3	ENG 1102/04	3	MTH 2201	3	SELECT COURSES THAT HAVE NOT BEEN	
	ENG 1101/03	3	AREA IV SS COURSE	3	AREA III SCI/LAB COURSE	3/1	IS 2241	3	COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR	
	MTH 1112	3			AREA IV SS COURSE	3			COURSES TO BE RETAKEN	
	TOTAL 13				TOTAL 16					
	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	
2 ND	TOTAL	7	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL 6	
YEAR	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	
	AREA III SCI/LAB COURSE	3/1	MTH 2215	3	AREA II HUM/FA COURSE	3	AREA II FINE ARTS COURSE	3	COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR	
	AREA IV HIS COURSE	3			CS 2255	3			COURSES TO BE RETAKEN	
	TOTAL 16			TOTAL 15						
	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
3 rd	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	
YEAR	FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER	
I LAIX	CS 2265	3	MINOR COURSE	3	REQ MAJ COURSE	3	FREE ELEC	3	SELECT COURSES THAT HAVE NOT BEEN	
	REQ MAJ COURSE	3	FREE ELEC	3	REQ_MAJ COURSE	3	FREE ELEC	3	COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR	
	MINOR COURSE	3		5	MINOR COURSE	3			COURSES TO BE RETAKEN	
	TOTAL 15			TAL 15	TOTAL 15					
	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	
							R INTENT TO GRADUATE			
4 th	TOTAL 6		TOTAL 6		TOTAL 6		TOTAL 6		TOTAL 6	
YEAR	FALL SEMESTER				SPRING SEMESTER			-	SUMMER SEMESTER	
	REQ_MAJ COURSE REQ_MAJ COURSE	3	MINOR COURSE FREE ELEC	3	REQ_MAJ COURSE APPROVED MAJ ELEC	3	MINOR COURSE FREE ELEC	3	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR	
	APPROVED MAJ ELEC	3	TREE ELEC	5	APPROVED MAJ ELEC	3	TREE ELEC	3	SEMESTERS AS PREREQUISITE COURSES OR	
	REMEMBER TO FILE YOUR INTENT TO GRADUATE TOTAL 15			TOTAL 15				COURSES TO BE RETAKEN		
			A DESCRIPTION OF THE OWNER						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 **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 2201 ("C" OR BETTER) **3 HOURS** Take any two 1000-2000 level science classes (class And corresponding 8 HOURS 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. 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 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: **COMPUTER CONCEPTS & APPLICATIONS 3 HOURS** IS 2241 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 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.

NOTE: Please consult the College of Business 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.

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.



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

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					
	Take Three Additional Courses From The Following:	9 hours			
	CS 3320, CS 3332, CS 3347, CS 4449, CS 4451 OR CS 4495	7 110013			
MINOR					
	AT LEAST ONE 18 SEMESTER HOUR MINOR IS REQUIRED TO COMPLETE THIS DEGREE	(18 HOURS)			
	PROGRAM. ADDITIONAL MAJORS ARE ALSO ACCEPTABLE.				
FREE ELECTIVES REQUIREMENT					
		(18 HOURS)			
	TAKE 18 SEMESTER HOURS OF FREE ELECTIVE CREDIT.	18 Hours			

My Degree Map serves as a guide to assist you with the proper sequence and selection of courses. It does not replace your Program Evaluation (available through Trojan Web Express), which depicts the official document used to clear students for graduation. My Degree Map includes the required coursework and suggested sequence of courses for a particular degree program. Every reasonable attempt has been made to ensure accuracy of content. Please keep in mind that some courses, such as developmental or pre-requisite courses, are not reflected in My Degree Map. Completion of degree requirements is based on the specific catalog year under which you were admitted to TROY. Please consult the college catalog, your academic advisor, your specific school, department, or your Program Evaluation for any additional requirements.