

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

	Term 1		TERM 2		TERM 3		Term 4		Term 5		
1 <sup>st</sup> Year	ENG 1101/03	3	AREA IV SS COURSE	3	ENG 1102/04	3	AREA IV SS COURSE	3	TROY 1101	1	
	MTH 1112 (DR)	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		
TEM	TROY 1101	1	AREA II HUM/FA COURSE	3	ENG 1102/04	3	MTH 2201	3	SELECT COURSES THAT HAVE NOT BEE		
	ENG 1101/03	3	AREA IV SS COURSE	3	AREA III SCI/LAB COURSE	3/1	IS 2241	3	COMPLETED FROM PREVIOUS TERMS SEMESTERS AS PREREQUISITE COURSES		
	MTH 1112 (DR)	3			AREA IV SS COURSE	3			COURSES TO BE RETAKEN	LOCK	
	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		LL SE	MESTER		Spring Semester				SUMMER SEMESTER		
Litte	AREA II LIT COURSE	3	CS 2250	3	AREA IV SS COURSE	3	MINOR COURSE	3	SELECT COURSES THAT HAVE NOT BE		
	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 SEMESTERS AS PREREQUISITE COURSES		
	AREA IV HIS COURSE	3	SETTLE TO LET TO STATE OF THE SET		CS 2255	3			COURSES TO BE RETAKEN		
	T			AL 16			TOTAL 15				
	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	
$3^{RD}$	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL		
YEAR	FALL SEMESTER				Spring Semester				Summer Semester		
T LI tit	CS 2265	3	MINOR COURSE	3	REQ MAJ COURSE	3	FREE ELEC	3	SELECT COURSES THAT HAVE NOT BEE		
	REQ MAJ COURSE	3	FREE ELEC	3	REQ MAJ COURSE	3	FREE ELEC	3	COMPLETED FROM PREVIOUS TERMS SEMESTERS AS PREREQUISITE COURSES		
	MINOR COURSE	3			MINOR COURSE	3			COURSES TO BE RETAKEN		
	The state of the s		TOTAL 15				TOTAL 15			15.74	
	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		STER		SPRING S				SUMMER SEMESTER			
	REQ MAJ COURSE	3	MINOR COURSE	3	REQ MAJ COURSE	3	MINOR COURSE	3	SELECT COURSES THAT HAVE NOT BE COMPLETED FROM PREVIOUS TERMS		
	REQ_MAJ COURSE APPROVED MAJ ELEC	3	FREE ELEC	3	APPROVED MAJ ELEC APPROVED MAJ ELEC	3	FREE ELEC	3	SEMESTERS AS PREREQUISITE COURSES		
	REMEMBER TO FILE YOUR		R INTENT TO GRADUATE TOTAL 15		AFFROVED MAJELEC 3		TOTAL 15		COURSES TO BE RETAKEN		
	TEMPERATURE TO THE	TOTAL PROGRAM									



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

COMPLETE ALL 6 SUB-REQUIREMENTS				
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 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. Take any two 1000-2000 level courses with an expanded Historical	3 HOURS 3 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) 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.	3 HOURS 8 HOURS			
D. AREA IV:				
Take The Following Courses: Take any 1000-2000 level course with a primary focus in history 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.	3 Hours 9 Hours			
E. AREA V:				
Take the following courses: IS 2241 Computer Concepts & Applications MTH 2215 Applied Discrete Mathematics TROY 1101 University Orientation	3 HOURS 3 HOURS 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 STUDENTA 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 CONSULT THIS REQUIREMENT.



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APPLIED COMPUTER SCIENCE MAJOR								
Minimum 2.0 overall GPA Required								
Take the following courses:								
C	S	2250	COMPUTER SCIENCE I	3 HOURS				
C	S	2255	COMPUTER SCIENCE II	3 HOURS				
C	S	2265	ADVANCED PROGRAMMING I	3 HOURS				
C	S	3330	DATA STRUCTURE & ALGORITHMS	3 HOURS				
C	S	4420	Introduction To Database Systems	3 HOURS				
C	S	4443	Web-Based Software Development	3 HOURS				
C	S	4445	DATA COMMUNICATION & NETWORKING	3 HOURS				
C	S	4447	Systems Analysis and Design	3 HOURS				
C	S	4448	OPERATING SYSTEMS	3 HOURS				
MAJOR ELECTIVES								
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Take Three Additional Courses From The Following: CS 3320, CS 3332, CS 3347, CS 4449, CS 4451 OR CS 4495								
MINOR								
At Least One 18 Semester Hour Minor Is Required To Complete This Degree Program. Additional Majors Are Also Acceptable.								
FREE ELECTIVES REQUIREMENT								
Take 18 semester hours of free elective credit.								