

# MY DEGREE MAP COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN COMPUTER SCIENCE PROGRAM-PROGRAM YEAR 2016-17

	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
		3	AREA II FINE ARTS COURSE	3	AREA III PHY/CHM SEQ COURSE	3/1	FREE ELEC	3	MTH 1114 (DR)	3
	MTH 1112 (DR)	3	AREA II FINE ARTS COURSE	3	AREA III FITT/CHW SEQ COOKSE	3/1	FREE ELEC	3	MIH III4 (DR)	3
	TOTAL	6	TOTAL	6	TOTAL	7	TOTAL	6	TOTAL	4
		L SEM			SPRING SEM				SUMMER SEMESTER	1
	TROY 1101	AREA II FINE ARTS COURSE 3		ENG 1102/04 3		FREE ELEC 3		SELECT COURSES THAT HAVE NOT		
	ENG 1101/03	3	AREA IV SS COURSE	3	AREA III PHY/CHM SEQ COURSE	3/1	MTH 1114 (DR)	3	COMPLETED FROM PREVIOUS TER	
	MTH 1112 (DR)	3	AREA IV 33 COURSE	3	AREA IV SS COURSE	3	MTH TIT4 (DR)	3	SEMESTERS AS PREREQUISITE CO	
	MIH III2 (DK)	3	TOT	AL 13	AREA IV 33 COURSE	A IV SS COURSE 3			OR COURSES TO BE RETAKEN	
	Term 1		TERM 2		Term 3		TERM 4		Term 5	
	AREA II LIT COURSE	3	MTH 1125	4	CS 2255	3	AREA IV SS COURSE	3	AREA II HUM/FA COURSE	3
	AREA III PHY/CHM SEQ COURSE	3/1	CS 2250	3	MTH 1126	4	MTH 2215	3	AREA IV HIS COURSE	3
OVID	TOTAL	7	TOTAL	7	TOTAL	7	TOTAL	6	TOTAL	6
2 <sup>ND</sup>			ESTER		SPRING			0	SUMMER SEMESTER	
YEAR	AREA II LIT COURSE	3	CS 2250	3	AREA IV SS COURSE	3	MTH 2215	3	SELECT COURSES THAT HAVE NO	
	AREA III PHY/CHM SEQ COURSE	3/1	AREA II HUM/FA COURSE	3	MTH 1126	4	AREA IV HIS COURSE	3	COMPLETED FROM PREVIOUS TE	
	MTH 1125	4			CS 2255	3			SEMESTERS AS PREREQUISITE CO OR COURSES TO BE RETAKEN	
		ТОТ	TOTAL 16			OR COORSES TO BE RETURNED				
	Term 1		Term 2		Term 3		TERM 4		Term 5	
	REQ MAJ COURSE	3	REQ MAJ COURSE	3	REQ MAJ COURSE	3	REQ MAJ COURSE	3	AREA II HUM/FA COURSE	3
	REQ MAJ COURSE	3	MTH 2210	3	REQ MAJ COURSE	3	REQ MAJ COURSE	3	FREE ELEC	1
3 <sup>RD</sup>	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	4
	FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER	R
YEAR	IAL	L SEIVI	LUILK		STRING	J JLIVI.	ESTEK		S S IVIIVIE I C S E IVIE S I E I	
I Li tit		3	MTH 2210	3		3		3	SELECT COURSES THAT HAVE NOT	T BEEN
Litte	REQ MAJ COURSE			3	REQ MAJ COURSE		REQ MAJ COURSE	3	SELECT COURSES THAT HAVE NOT COMPLETED FROM PREVIOUS TER	RMS OR
12.44	REQ MAJ COURSE REQ MAJ COURSE	3	MTH 2210		REQ MAJ COURSE REQ MAJ COURSE	3			SELECT COURSES THAT HAVE NOT COMPLETED FROM PREVIOUS TER SEMESTERS AS PREREQUISITE CO	RMS OR OURSES
T LI LI	REQ MAJ COURSE	3	MTH 2210 AREA II HUM/FA COURSE		REQ MAJ COURSE	3	REQ MAJ COURSE FREE ELEC		SELECT COURSES THAT HAVE NOT COMPLETED FROM PREVIOUS TER	RMS OR OURSES
T EXIL	REQ MAJ COURSE REQ MAJ COURSE	3	MTH 2210 AREA II HUM/FA COURSE	3	REQ MAJ COURSE REQ MAJ COURSE	3	REQ MAJ COURSE FREE ELEC	1	SELECT COURSES THAT HAVE NOT COMPLETED FROM PREVIOUS TER SEMESTERS AS PREREQUISITE CO	RMS OR OURSES
Late	REQ MAJ COURSE REQ MAJ COURSE REQ MAJ COURSE	3	MTH 2210 AREA II HUM/FA COURSE TOT	3	REQ MAJ COURSE REQ MAJ COURSE REQ MAJ COURSE	3	REQ MAJ COURSE FREE ELEC	1	SELECT COURSES THAT HAVE NO COMPLETED FROM PREVIOUS TER SEMESTERS AS PREREQUISITE CO OR COURSES TO BE RETAKEN	RMS OR OURSES
Late	REQ MAJ COURSE REQ MAJ COURSE REQ MAJ COURSE TERM 1	3 3 3	MTH 2210 AREA II HUM/FA COURSE  TOT TERM 2	3 TAL 15	REQ MAJ COURSE REQ MAJ COURSE REQ MAJ COURSE TERM 3	3 3 3	REQ MAJ COURSE FREE ELEC  TOT TERM 4	1 AL 13	SELECT COURSES THAT HAVE NO COMPLETED FROM PREVIOUS TER SEMESTERS AS PREREQUISITE CO OR COURSES TO BE RETAKEN	RMS OR DURSES N
Latix	REQ MAJ COURSE REQ MAJ COURSE  TERM 1  REQ MAJ COURSE	3 3 3	MTH 2210 AREA II HUM/FA COURSE  TOT  TERM 2  REQ MAJ COURSE	3 FAL 15	REQ MAJ COURSE REQ MAJ COURSE REQ MAJ COURSE  TERM 3 REQ MAJ COURSE	3 3 3 3 3	REQ MAJ COURSE FREE ELEC  TOT TERM 4 REQ MAJ COURSE FREE ELEC TENT TO GRADUATE	1 CAL 13	SELECT COURSES THAT HAVE NO COMPLETED FROM PREVIOUS TER SEMESTERS AS PREREQUISITE CO OR COURSES TO BE RETAKEN  TERM 5  APPROVED MAJ ELEC	RMS OR DURSES N
4™	REQ MAJ COURSE REQ MAJ COURSE  TERM 1  REQ MAJ COURSE  FREE ELEC  TOTAL	3 3 3 3 3 6	MTH 2210 AREA II HUM/FA COURSE  TOT  TERM 2  REQ MAJ COURSE  FREE ELEC  TOTAL	3 FAL 15	REQ MAJ COURSE REQ MAJ COURSE REQ MAJ COURSE  TERM 3 REQ MAJ COURSE FREE ELEC  REMEMBER TO FILE YOUTAL	3 3 3 3 OUR IN	REQ MAJ COURSE FREE ELEC  TOT  TERM 4  REQ MAJ COURSE FREE ELEC  TENT TO GRADUATE  TOTAL	1 CAL 13	SELECT COURSES THAT HAVE NO COMPLETED FROM PREVIOUS TER SEMESTERS AS PREREQUISITE CO OR COURSES TO BE RETAKEN  TERM 5  APPROVED MAJ ELEC  APPROVED MAJ ELEC  TOTAL	RMS OR DURSES N 3 3 6
<b>4</b> ™	REQ MAJ COURSE REQ MAJ COURSE  TERM 1  REQ MAJ COURSE  FREE ELEC  TOTAL  FALI	3 3 3 3 3 6	MTH 2210 AREA II HUM/FA COURSE  TOT  TERM 2  REQ MAJ COURSE  FREE ELEC  TOTAL  ESTER	3 FAL 15	REQ MAJ COURSE REQ MAJ COURSE REQ MAJ COURSE  TERM 3 REQ MAJ COURSE FREE ELEC  REMEMBER TO FILE YOUNGE TOTAL SPRING	3 3 3 3 OUR IN	REQ MAJ COURSE FREE ELEC  TOT  TERM 4  REQ MAJ COURSE FREE ELEC  TENT TO GRADUATE  TOTAL	1 CAL 13	SELECT COURSES THAT HAVE NO COMPLETED FROM PREVIOUS TER SEMESTERS AS PREREQUISITE CO OR COURSES TO BE RETAKEN TERM 5  APPROVED MAJ ELEC  APPROVED MAJ ELEC  TOTAL  SUMMER SEMESTER	3 3 6 R
	REQ MAJ COURSE REQ MAJ COURSE  TERM 1  REQ MAJ COURSE  FREE ELEC  TOTAL  REQ MAJ COURSE	3 3 3 3 6 L SEM	MTH 2210 AREA II HUM/FA COURSE  TOT  TERM 2  REQ MAJ COURSE  FREE ELEC  TOTAL  ESTER  FREE ELEC	3 TAL 15 3 3 6	REQ MAJ COURSE REQ MAJ COURSE REQ MAJ COURSE  TERM 3 REQ MAJ COURSE FREE ELEC REMEMBER TO FILE YOUT TOTAL SPRING REQ MAJ COURSE	3 3 3 3 3 OUR IN 6 G SEMI 3	REQ MAJ COURSE FREE ELEC  TOT TERM 4  REQ MAJ COURSE FREE ELEC TENT TO GRADUATE TOTAL ESTER FREE ELEC	1 SAL 13 3 3 6	SELECT COURSES THAT HAVE NO COMPLETED FROM PREVIOUS TER SEMESTERS AS PREREQUISITE CO OR COURSES TO BE RETAKEN TERM 5  APPROVED MAJ ELEC APPROVED MAJ ELEC TOTAL SUMMER SEMESTER SELECT COURSES THAT HAVE NO	RMS OR DURSES N 3 3 6 6 R
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<b>4</b> ™	REQ MAJ COURSE REQ MAJ COURSE  TERM 1  REQ MAJ COURSE  FREE ELEC  TOTAL  FALI  REQ MAJ COURSE  REQ MAJ COURSE  REQ MAJ COURSE  APPROVED MAJ ELEC	3 3 3 3 3 6 L SEM 3 3	MTH 2210 AREA II HUM/FA COURSE  TOT  TERM 2  REQ MAJ COURSE  FREE ELEC  TOTAL  ESTER  FREE ELEC  FREE ELEC	3 3 3 3 6	REQ MAJ COURSE REQ MAJ COURSE REQ MAJ COURSE  TERM 3 REQ MAJ COURSE FREE ELEC REMEMBER TO FILE YOUT TOTAL SPRING REQ MAJ COURSE	3 3 3 3 3 OUR IN 6 G SEMI 3	REQ MAJ COURSE FREE ELEC  TOT  TERM 4  REQ MAJ COURSE FREE ELEC  TENT TO GRADUATE  TOTAL  ESTER FREE ELEC FREE ELEC FREE ELEC	1 SAL 13 3 3 6	SELECT COURSES THAT HAVE NO COMPLETED FROM PREVIOUS TER SEMESTERS AS PREREQUISITE CO OR COURSES TO BE RETAKEN TERM 5  APPROVED MAJ ELEC APPROVED MAJ ELEC TOTAL SUMMER SEMESTER SELECT COURSES THAT HAVE NO	RMS OR DURSES N 3 3 3 4 6 6 R T BEEN RMS OR DURSES
<b>4</b> ™	REQ MAJ COURSE REQ MAJ COURSE  TERM 1  REQ MAJ COURSE  FREE ELEC  TOTAL  FALI  REQ MAJ COURSE  REQ MAJ COURSE  REQ MAJ COURSE  REQ MAJ COURSE	3 3 3 3 3 6 L SEM 3 3	MTH 2210 AREA II HUM/FA COURSE  TOT  TERM 2  REQ MAJ COURSE  FREE ELEC  TOTAL  ESTER  FREE ELEC  FREE ELEC	3 TAL 15 3 3 6	REQ MAJ COURSE REQ MAJ COURSE REQ MAJ COURSE  TERM 3 REQ MAJ COURSE FREE ELEC REMEMBER TO FILE YOUT TOTAL SPRING REQ MAJ COURSE REQ MAJ COURSE REQ MAJ COURSE	3 3 3 3 OUR IN 6 G SEMI 3 3	REQ MAJ COURSE FREE ELEC  TOT  TERM 4  REQ MAJ COURSE FREE ELEC  TENT TO GRADUATE  TOTAL  ESTER FREE ELEC FREE ELEC FREE ELEC	1 SAL 13 3 3 6	SELECT COURSES THAT HAVE NOT COMPLETED FROM PREVIOUS TER SEMESTERS AS PREREQUISITE CO OR COURSES TO BE RETAKEN TERM 5  APPROVED MAJ ELEC APPROVED MAJ ELEC TOTAL SUMMER SEMESTER SELECT COURSES THAT HAVE NOT COMPLETED FROM PREVIOUS TER SEMESTERS AS PREREQUISITE CO	3 3 3 6 R T BEEN RMS OR DURSES N



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#### 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 1125 ("C" OR BETTER) 4 HOURS TAKE AN EIGHT-HOUR COURSE/LAB SEQUENCE IN CHEMISTRY OR PHYSICS 8 HOURS CHEMISTRY SEQUENCE CHM 1142/L142 AND CHM 1143/L143 OR

PHYSICS SEQUENCE PHY 2252/L252 AND PHY 2253/L253

#### D. AREA IV:

TAKE THE FOLLOWING COURSES: Take any 1000-2000 level course with a primary focus in history 3 HOURS Take 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 FOLLOV	WING COURSES:	
CS 2250	COMPUTER SCIENCE I	3 HOURS
MTH 1126	CALCULUS II	4 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. COMPLE-EVERY REASONABLE AT LEMPT TO ENSURE ACCURACY HAS BEEN MADE. SOME COURSES (SUCH AS DEVELOPMENTAL OR PRE-REQUISITE COURSES) ARE NOT REFLECTED IN THIS DEGREE MADE. SOMETHING OF DEGREE REQUIRED FOR ALL BACCALAUREATE DEGREE PARK. COMPLETED TO SERVE OF THE CREDIT HOURS REQUIRED FOR ALL BACCALAUREATE DEGREE PARK. THE CAST 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 STUDYA 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. COURSEWORK MARKED WITH AN ASTERISK (\*) ARE INTERNATIONAL COURSES. SIX HOURS OF INTERNATIONAL COURSEWORK IS REQUIRED. CONSIDER THIS REQUIREMENT. MENT WHEN SELECTING COURSEWORK IN AREAS II AND IV.



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COMPUT	ER SCIENC	E PROGRAM	(37 HOURS)			
MINI TAKE CS	MUM GRAD	FOUNDATIONS OF COMPUTER SCIENCE DATA STRUCTURES ANALYSIS OF ALGORITHMS SOFTWARE ENGINEERING I CONCEPTS OF OBJECT PROGRAM I INTRO COMPUTER ORGANIZATION & ARCHITECTURE NATURE OF PROGRAMMING LANGUAGE FORMAL LANGUAGE & THEORY OF COMPUTATION INTRODUCTION TO DATABASE SYSTEMS DATA COMMUNICATION & NETWORKING OPERATING SYSTEMS	3 HOURS			
MAJOR EI	ECTIVES		(6 HOURS)			
Take CS 33 CS 44	6 Hours					
FREE ELEC	(22 HOURS)					
TAKE	Take 22 semester hours of free elective credit.					
TAKE (DEPA	6 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 STUDIENTS FOR GRADUATION. MY DEGREE MAP INCLUDES THE REQUIRED COURSE WORK AND SUGGESTED SEQUENCE OF COURSES FOR A PARTICULAR DEGREE PROGRAM. EVERY REASONABLE ATTEMPT HAS BEEN MADE TO ENSURE ACCURACY OF CONTENT. PLEASE KEEP IN MINDT 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.