TROY UNIVERSITY™

MY DEGREE MAP
COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN
APPLIED COMPUTER SCIENCE MAJOR – PROGRAM YEAR 2014-2015

1ST YEAR

TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
ENG 1101/03	3	AREA II, GRP 4 COURSE	3	ENG 1102/04	3	IS 2241	3	TROY 1101	1
MTH 2201	3	AREA IV, GRP 2 COURSE	3	BIO 1100/LAB	3/1	AREA IV, GRP 2 COURSE	3	SELECT TWO: ART 1133, MUS 1131, DRA 2200	2/2
TOTAL	6	TOTAL	6	TOTAL	7	TOTAL	6	TOTAL	5

FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER	
TROY 1101	1	ART 1133 OR MUS 1131 OR DRA 2200	2	ENG 1102/04	3	ART 1133 OR MUS 1131 OR DRA 2200	2	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN	
ENG 1101/03	3			BIO 1100/LAB	3/1				
MTH 2201	3	AREA IV, GRP 2 COURSE	3	AREA IV, GRP 2 COURSE	3				
AREA II, GRP 4 COURSE	3			IS 2241	3				
		TOTAL	15			TOTAL	15		

2ND YEAR

TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
AREA II, GRP 3 LIT COURSE	3	MTH 2215	3	AREA IV, GRP 2 COURSE	3	MINOR COURSE	3	AREA IV, HIS COURSE	3
AREA III CONT, SCI/LAB	3/1	CS 2250	3	CS 2255	3	FREE ELECTIVE	3	COM 2241	3
TOTAL	7	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6

FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER	
AREA II, GRP 3 LIT COURSE	3	CS 2250	3	AREA IV, GRP 2 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 CONT, SCI/LAB	3/1	MTH 2215	3	COM 2241	3	FREE ELECTIVES	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 MAJOR COURSE	3	MINOR COURSE	3	MINOR COURSE	3
REQ MAJOR COURSE	3	FREE ELECTIVES	3	REQ MAJOR COURSE	3	FREE ELECTIVES	3	FREE ELECTIVES	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 ELECTIVES	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 ELECTIVES	3	REQ MAJ COURSE	3	FREE ELECTIVES	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	APPROVED MAJ ELEC	3	REQ MAJ COURSE	3	APPROVED MAJ ELEC	3	FREE ELECTIVES	3
REQ MAJ COURSE	3	MINOR COURSE	3	APPROVED MAJ ELEC	3	MINOR COURSE	3	FREE ELECTIVES	2
				FILE YOUR INTENT TO GRADUATE FOR SPRING					
TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	5

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 ELECTIVES	3	APPROVED MAJ ELEC	3	FREE ELECTIVES	2		
APPROVED MAJ ELEC	3			APPROVED MAJ ELEC	3				
FILE YOUR INTENT TO GRADUATE FOR SPRING									
		TOTAL	15			TOTAL	14		

TOTAL PROGRAM 120

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COMPLETE ALL 6 SUB-REQUIREMENTS

A. AREA I:
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:

GROUP 1: Take COM 2241 Fundamentals of Speech — 3 HOURS

GROUP 2: SELECT TWO COURSES FROM ART 1133*, MUS 1131* OR DRA 2200 — 4 HOURS

GROUP 3: TAKE THREE SEMESTER HOURS FROM THE FOLLOWING: — 3 HOURS
ENG 2205*, ENG 2206*, ENG 2211, ENG 2212, ENG 2244, ENG 2245

GROUP 4: TAKE THREE SEMESTER HOURS FROM THE FOLLOWING: — 3 HOURS
ASL 1141, CLA 2260*, ENG 2205*, ENG 2206*, ENG 2211, ENG 2212,
ENG 2244, ENG 2245, FRN 1101*, GER 1121*, GRK 1111*, IDS 2200,
LAT 1131*, PHI 2203, PHI 2204, ANT 2280* OR SPN 1141*

C. AREA III:
TAKE THE FOLLOWING COURSES:

BIO 1100/L100 GENERAL BIOLOGY W/LAB	3/1 HOURS
MTH 2201 BUSINESS CALCULUS ("C" OR BETTER)	3 HOURS

AREA III CONTINUED:

SELECT ONE COURSE WITH CORRESPONDING LAB: — 3/1 HOURS
CHM 1142/L142, PHY 2252/L252, SCI 2233/L233, SCI 2234/L234

D. AREA IV:

GROUP 1: TAKE THREE SEMESTER HOURS FROM THE FOLLOWING: — 3 HOURS
HIS 1101, HIS 1102, HIS 1111, HIS 1112, HIS 1122* OR HIS 1123*

GROUP 2: TAKE NINE SEMESTER HOURS FROM THE FOLLOWING: — 9 HOURS
ANT 2200, ECO 2251*, ECO 2252*, GEO 2210*, HIS 1101, HIS 1102,
HIS 1111, HIS 1112, HIS 1122*, HIS 1123*, IDS 2200, LDR 1100,
POL 2260*, POL 2241, PSY 2200, PSY 2210, OR SOC 2275

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

TAKE THE FOLLOWING COURSES:
2.0 GPA REQUIRED:

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 9 ADDITIONAL HOURS FROM THE FOLLOWING:

CS 3320	BUSINESS SYSTEMS PROGRAMMING	3 HOURS
CS 3332	SOFTWARE ENGINEERING I	3 HOURS
CS 3347	ADVANCED PROGRAMMING II	3 HOURS
CS 4449	APPLIED NETWORKING	3 HOURS
CS 4451	COMPUTER SECURITY	3 HOURS
CS 4495	SPECIAL TOPICS IN COMPUTER SCIENCE	3 HOURS

MINOR: (18 HOURS)

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

FREE ELECTIVES: (17 HOURS)

TAKE 17 SEMESTER HOURS OF FREE ELECTIVE CREDIT