TROY UNIVERSITY™

MY DEGREE MAP
COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN
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	MTH 1126	4	TROY 1101	1
MTH 1125	4	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	4
TOTALS	7	TOTALS	6	TOTALS	7	TOTALS	7	TOTALS	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 4 TERMS OR COURSES SUCH AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN	
ENG 1101/03	3			BIO 1100/LAB	3/1				
MTH 1125	4	AREA IV, GRP 2 COURSE	3	MTH 1126	4	AREA IV, GRP 2 COURSE	3		
AREA II, GRP 4 COURSE	3								
						TOTALS 16		TOTALS 16	

2ND YEAR

TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
AREA II, GRP 3 LIT COURSE	3	AREA IV, HIS COURSE	3	AREA IV, GRP 2 COURSE	3	COM 2241	3	MTH 2215	3
AREA III, REQ SCI SEQ COURSE	4	CS 2250	3	AREA V, CONT SCI REQ SEQ	4	MTH 2210	3	CS 2255	3
TOTALS	7	TOTALS	6	TOTALS	7	TOTALS	6	TOTALS	6

FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER	
AREA II, GRP 3 LIT	3	CS 2250	3	AREA IV, GRP 2 COURSE	3	AREA V, CONT SCI REQ SEQ	4	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS 4 TERMS OR COURSES SUCH AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN	
AREA III, REQ SCI SEQ COURSE	4	MTH 2210	3	COM 2241	3	MTH 2215	3		
AREA IV, HIS COURSE	3			CS 2255	3				
						TOTALS 16		TOTALS 16	

3RD YEAR

TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
3000 LEVL REQ CS MAJ	3	3000 LEVL REQ CS MAJ	3	3000 LEVL REQ CS MAJOR	3	3000 LEVL REQ CS MAJ	3	FREE ELECTIVES	3
3000 LEVL REQ CS MAJ	3	CS MAJOR COURSE	3	3000 LEVL REQ CS MAJ	3	FREE ELECTIVES	3	FREE ELECTIVES	3
TOTALS	6	TOTALS	6	TOTALS	6	TOTALS	6	TOTALS	6

FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER	
3000 LEVL REQ CS MAJ	3	CS MAJOR COURSE	3	3000 LEVL REQ CS MAJ	3	FREE ELECTIVES	3	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS 4 TERMS OR COURSES SUCH AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN	
3000 LEVL REQ CS MAJ	3	FREE ELECTIVES	3	3000 LEVL REQ CS MAJ	3	FREE ELECTIVES	3		
3000 LEVL REQ CS MAJ	3			3000 LEVL REQ CS MAJ	3				
						TOTALS 15		TOTALS 15	

4TH YEAR

TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
3000 LEVL REQ CS MAJ	3	CS MAJ COURSE	3	4000 LEVL REQ CS MAJ	3	4000 LEVL REQ CS MAJ	3	FREE ELECTIVES	2
3000 LEVL REQ CS MAJ	3	FREE ELECTIVES	3	4000 LEVL REQ CS MAJ	3	FREE ELECTIVES	3		
				FILE YOUR INTENT TO GRADUATE FOR SPRING					
TOTALS	6	TOTALS	6	TOTALS	6	TOTALS	6	TOTALS	2

FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER	
3000 LEVL REQ CS MAJ	3	FREE ELECTIVES	3	4000 LEVL REQ CS MAJ	3	4000 LEVL REQ CS MAJ	3	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS 4 TERMS OR COURSES SUCH AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN	
3000 LEVL REQ CS MAJ	3	FREE ELECTIVES	2	4000 LEVL REQ CS MAJ	3	FREE ELECTIVES	3		
CS MAJOR COURSE	3								
FILE YOUR INTENT TO GRADUATE FOR SPRING									
				TOTALS 14		TOTALS 12			

TOTAL PROGRAM 120

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College Of Arts And Scieneces Approved Academic plan
Computer Science Major- Program Year 2014-2015

Complete all 6 sub-requirements   **(55 HOURS)**

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: ENG 2205*, ENG 2206*, ENG 2211, ENG 2212,ENG 2244, ENG 2245	3 Hours
Group 4: Take three semester hours from the following: 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*	3 hours

C. AREA III:

Take the following courses:

Take BIO 1100/L100 General Biology w/Lab	3/1 HOURS
Take MTH 1125 Calculus I ("C" or better)	4 HOURS
Select one course with corresponding lab:	3/1 Hours
CHM 1142/L142 or PHY 2252/L252	

D. AREA IV:

Group 1: Take three semester hours from the following: HIS 1101, HIS 1102, HIS 1111, HIS 1112, HIS 1122* or HIS 1123*	3 Hours
Group 2: Take nine semester hours from the following: 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	9 hours

E. AREA V:

Take the following courses:

CS 2250	Computer Science I	3 hours
MTH 1126	Calculus II	4 hours
TROY 1101	University Orientation	1 hour

Take one course/lab combination to complete Required Science in area III

CHM 1143/L143 OR PHY 2253/L253	3/1 hours

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.
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 & 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 when selecting coursework in AREAS II and IV.

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COMPUTER SCIENCE MAJOR: (42 HOURS)

Take All Of The Following Courses:

CS 2255	Computer Science II	3 HOURS
CS 3310	Foundations of Computer Science	3 HOURS
CS 3323	Data Structures	3 HOURS
CS 3329	Anaylsis if Algorithms	3 HOURS
CS 3332	Software Engineering I	3 HOURS
CS 3360	Concepts of Object Oriented Programming I	3 HOURS
CS 3365	Introduction to Computer Organization and Architecture	3 HOURS
CS 3370	Nature of Programming Languages	3 HOURS
CS 3372	Formal Languages nad the Theroy of Computation	3 HOURS
CS 4420	Introduction to Database Systems	3 HOURS
CS 4445	Data Communication and Networking	3 HOURS
CS 4448	Operating Systems	3 HOURS
MTH 2210	Applied Statistics	3 HOURS
MTH 2215	Applied Discrete Mathematics	3 HOURS

Major Electives (6 HOURS)

Take two courses from the following:

CS 3320	Business Systems Programming	3 HOURS
CS 3325	Operation Research	3 HOURS
CS 3331	Fundamentals of Artificial Intelligence	3 HOURS
CS 3361	Concepts of Object Oriented Programming II	3 HOURS
CS 4401	Advanced Artificial Intelligence	3 HOURS
CS 4443	Web-Based Software Development	3 HOURS
CS 4447	Systems Analysis and Design	3 HOURS
CS 4451	Computer Security	3 HOURS
CS 4461	Software Engineering II	3 HOURS
CS 4462	Special topics in Object Oriented Programming	3 HOURS
CS 4495	Special Topics in Computer Science	3 HOURS

Free Electives (17 HOURS)

Select Seventeen hours of free electives   17 Hours