

**MY DEGREE MAP
TROY UNIVERSITY**

**College of Arts and Sciences Approved Academic Plan
Computer Science Major - Program Year 2013-2014**

1 st Semester/Term 1-2	Hours	2 nd Semester/Term 3-4	Hours	3 rd Semester/T5	Hours
Troy 1101 University Orientation	1	ENG 1102/04 Comp/Mod English II	3	Select courses that have not been completed from the previous 2 semesters/ 4 terms or courses such as prerequisite courses or courses to be retaken	
ENG 1101/03 Comp/Mod English I#	3	BIO 1100 Principles of Bio and Lab	4		
MTH 1125 Calculus I#	4	MTH 1126 Calculus II	4		
AREA II, Group 4 elective	3	ART 1133* or MUS 1131* DRA 2200	2		
ART 1133* or MUS 1131* or DRA 2200	2	AREA IV, Group 2 elective**	3		
AREA IV, Group 2 elective**	3				
TOTAL	16	TOTAL	16		
3 rd Semester/Term 1-2	Hours	4 th Semester/Term 3-4	Hours	3 rd Semester/T5	Hours
AREA II, Group 3 literature elective**	3	AREA IV, Group 2 elective**	3	Select courses that have not been completed from the previous 2 semesters/ 4 terms or courses such as prerequisite courses or courses to be retaken	
AREA III Continued, Sci required seq crse	4	COM 2241 Fundamentals of Speech	3		
History Course from AREA IV	3	CS 2255 Computer Science II	3		
CS 2250 Computer Science I	3	AREA V Continued, Sci required seq crse	4		
MTH 2210 Applied Stats	3	MTH 2215 Applied Discrete Math	3		
TOTAL	16	TOTAL	16		
5 th Semester/Term 1-2	Hours	6 th Semester/Term 3-4	Hours	3 rd Semester/T5	Hours
3000-level Required CS Major course	3	3000-level Required CS Major course	3	Select courses that have not been completed from the previous 2 semesters/ 4 terms or courses such as prerequisite courses or courses to be retaken	
3000-level Required C S Major course	3	3000-level Required CS Major course	3		
3000-level Required C S Major course	3	3000-level Required CS Major course	3		
Computer Science Major elective course	3	Free electives	3		
Free electives	3	Free electives	3		
TOTAL	15	TOTAL	15		
7 th Semester/Term 1-2	Hours	8 th Semester/Term 3-4	Hours	3 rd Semester/T5	Hours

3000-level Required CS Major course	3	4000-level Required CS Major course	3	Select courses that have not been completed from the previous 2 semesters/ 4 terms or courses such as prerequisite courses or courses to be retaken
3000-level Required CS Major course	3	4000-level Required CS Major course	3	
Computer Science Major elective course	3	4000-level Required CS Major course	3	
Free electives	3	Free electives	3	
Free electives	2			
TOTAL	14	TOTAL	12	

Minimum number of hours required for this major:

TOTAL 120 Hours

*Indicates an international scope class (6 hours required)

**A sequence is required in either literature or history. Make selections from AREA II and IV accordingly.

Indicates courses which require approved placement scores

Courses in **BOLD** require a grade of C or above.

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 and Sciences or current catalog for other requirements not covered in this document.

Approved by the AEC 01/14

General Studies: Computer Science Majors (55 Hours)

Complete all 6 subrequirements

A: AREA I:

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, or ENG 2245

Group 4: Take three semester hours from the following: 3 hours
*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:

Group 1: Take BIO 1100/L 100 General Biology w/Lab 3/1 hours

Group 2: **Take MTH 1125 Calculus I** **4 hours**

Area III: CONTINUED Select one course with corresponding
Lab. NOTE: An 8 hour sequence in chemistry or
physics is required in Areas III and V.
CHM 1142/L142 or PHY 2252/L252, 3/1 hours

D. AREA IV:

Group 1: Take three hours from the following: HIS 1101, 3 hours
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, *POL 2260, POL 2241,
PSY 2200, PSY 2210 or SOC 2275

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

AREAV: Continued Take CHM 1143/L or PHY 2253/L

3/1 hours

Computer Science Major - Program Year 2013-2014 (48 hours)

1. Take all of the following Computer Science courses:

CS 2255	Computer Science II	3 hours
CS 3310	Foundations of Computer Science	3 hours
CS 3323	Data Structures	3 hours
CS 3329	Analysis of Algorithms	3 hours
CS 3332	Software Engineering I	3 hours
CS 3360	Concepts of Obj. Org & Arch.	3 hours
CS 3365	Intro to Comp. Org. and Arch.	3 hours
CS 3370	Nature Of Programming Language	3 hours
CS 3372	Formal Lang. & Theory of Comp.	3 hours
CS 4420	Intro to Database Systems	3 hours
CS 4445	Data Communication & Network	3 hours
CS 4448	Operating Systems	3 hours
MTH 2210	Applied Statistics	3 hours
MTH 2215	Applied Discrete Mathematics	3 hours

2. Major Electives (6 hours)

Take two additional courses from the following: 6 hours
CS 3320, CS 3325, CS 3331, CS 3361, CS 4401,
CS 4443, CS 4447, CS 4451, CS 4461, CS 4462,
or CS 4495

3. Free Electives (17 Hours)

17 hours