

**MY DEGREE MAP  
TROY UNIVERSITY**

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

1 <sup>st</sup> Semester/Term 1-2	Hours	2 <sup>nd</sup> Semester/Term 3-4	Hours	3 <sup>rd</sup> Semester/T5	Hours
Troy 1101 University Orientation	1	<b>ENG 1102/04 Comp/Mod English II</b>	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	
<b>ENG 1101/03 Comp/Mod English I#</b>	3	BIO 1100 Principles of Bio and Lab	4		
<b>MTH 2201 Business Calculus#</b>	3	AREA IV, Group 2 elective**	3		
AREA II, Group 4 elective	3	ART 1133* or MUS 1131* DRA 2200	2		
ART 1133* or MUS 1131* or DRA 2200	2	IS 2241 Computer Concepts/Applications	3		
AREA IV, Group 2 elective**	3				
TOTAL	15	TOTAL	15		
3 <sup>rd</sup> Semester/Term 1-2	Hours	4 <sup>th</sup> Semester/Term 3-4	Hours	3 <sup>rd</sup> 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, science elective	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	Course to apply in minor	3		
MTH 2215 Discrete Math	3	Free electives	3		
TOTAL	16	TOTAL	15		
5 <sup>th</sup> Semester/Term 1-2	Hours	6 <sup>th</sup> Semester/Term 3-4	Hours	3 <sup>rd</sup> Semester/T5	Hours
CS 2265 Advanced Programming	3	Required Computer Science 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	
Required Computer Science Major course	3	Required Computer Science Major course	3		
Course to apply in minor	3	Course to apply in minor	3		
Course to apply in minor	3	Free electives	3		
Free electives	3	Free electives	3		
TOTAL	15	TOTAL	15		
7 <sup>th</sup> Semester/Term 1-2	Hours	8 <sup>th</sup> Semester/Term 3-4	Hours	3 <sup>rd</sup> Semester/T5	Hours

Required Computer Science Major course	3	Required Computer Science 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
Required Computer Science Major course	3	Approved Computer Sci Major elective	3	
Approved Computer Sci Major elective	3	Approved Computer Sci Major elective	3	
Course to apply in minor	3	Course to apply in minor	3	
Free electives	3	Free electives	2	
TOTAL	15	TOTAL	14	

**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: Applied Computer Science Majors (49 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 2201 Business Calculus** 3 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:

IS 2241 Intro to Computer Applications 3 hours

**MTH 2215 Applied Discrete Math** 3 hours

TROY 1101 University Orientation 1 hour

**Applied Computer Science Major - Program Year 2013-2014 (36 hours)**

**1. Take all of the following Computer Science courses:**

CS 2250	Computer Science I	3 hours
CS 2255	Computer Science II	3 hours
CS 2265	Advanced Programming I	3 hours
CS 3330	Data Structures and Algorithms	3 hours
CS 4420	Intro to Database Systems	3 hours
CS 4443	We-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

**2. Major Electives (9 hours)**

Take three additional courses from the following: 9 hours  
CS 3320, CS 3332, CS 3347, CS 4449, CS 4451,  
or CS 4495

**3. Select one 18 hour minor** 18 hours

**4. Free Electives (17 Hours)** 17 hours