## APPLIED COMPUTER PROGRAMMING, BS

## **Example Plan of Study**

## Finish in Four Plan of Study

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Freshman         Fall         MATH 1813       Preparation for Calculus (Q) or PHIL 1313         or PHIL 1313       or Logic and Critical Thinking (Q)         CS 1103       Computer Programming (Q)         CS 1113       Computer Science I (Q)         General Education courses       Hours         Spring       Calculus I (Q)         CS 2133       Computer Science II         General Education courses       Hours         Spring       Hours         Spring       Hours         General Education courses       Fall         Sophomore       Fall         Solution Courses       Fall         CS 3653       Discrete Mathematics for Computer Science	3 3 6 15 4 3 8 15
MATH 1813 or PHIL 1313     Preparation for Calculus (Q) or Logic and Critical Thinking (Q)       CS 1103     Computer Programming (Q)       CS 1113     Computer Programming (Q)       General Education courses     Hours       Spring     Calculus I (Q)       CS 2133     Computer Science II       General Education courses     Hours       Sophomore     Hours       Fall     Fall	3 3 6 15 4 3 8 15
or PHIL 1313 or Logic and Critical Thinking (Q) CS 1103 Computer Programming (Q) CS 1113 Computer Science I (Q) General Education courses Fail Hours Sophomore Fail	3 3 6 15 4 3 8 15
CS 1103     Computer Programming (Q)       CS 1113     Computer Science I (Q)       General Education courses     Hours       Spring     Calculus I (Q)       CS 2133     Computer Science II       General Education courses     Hours       Sophomore     Fall	3 6 15 4 3 8 15
CS 1113 Computer Science I (Q) General Education courses  Fall  Computer Science II  Calculus I (Q)  CS 2133 Computer Science II  General Education courses  Fall  Computer Science II  Computer Scie	3 6 15 4 3 8 15
General Education courses       Hours       Spring       MATH 2144     Calculus I (Q)       CS 2133     Computer Science II       General Education courses     Hours       Sophomore       Fall     Fall	6 15 4 3 8 15
Hours       Spring       MATH 2144     Calculus I (Q)       CS 2133     Computer Science II       General Education courses     Hours       Sophomore     Fall	15 4 3 8 15
Spring       MATH 2144     Calculus I (Q)       CS 2133     Computer Science II       General Education courses     Hours       Sophomore     Fall	4 3 8 <b>15</b>
MATH 2144 Calculus I (Q) CS 2133 Computer Science II General Education courses Hours Sophomore Fall	3 8 15
CS 2133 Computer Science II General Education courses Hours Sophomore Fall	3 8 15
General Education courses Hours Sophomore Fall	8
Hours Sophomore Fall	15
Sophomore Fall	
Fall	3
Fall	3
CS 2652 Discrete Mathematics for Computer Science	3
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CS 2433 C/C++ Programming	3
Upper-division related	3
General Education courses	6
Hours	15
Spring	
CS 3443 Computer Systems	3
CS 4153 Mobile Applications Development	3
Major, College, and Elective courses	6
Upper-division elective	3
Hours	15
Junior	
Fall	
CS 3353 Data Structures and Algorithm Analysis I	3
CS 4243 Introduction to Computer Security	3
CS 4273 Software Engineering	3
Major, College, and Elective courses	6
Hours	15
Spring	
STAT 4013 Statistical Methods I (Q)	3
CS 4433 Introduction to Database Systems	3
BCOM 3113 Written Communication	3
or BCOM 3223 or Oral Communication	
or ENGL 3323 or Technical Writing	
Major, College, and Elective courses	6
Hours	15
Senior	
Fall	
CS Elective	3
CS 3363 Organization of Programming Languages	3
CS 4273 Software Engineering	3

Major, College, and Elective courses		6	
	Hours	15	
Spring			
CS 4883	Social Issues in Computing	3	
CS 4983	Senior Capstone Project	3	
Upper-division related		3	
Major, College, and Elective courses		6	
	Hours	15	
	Total Hours	120	