



Bachelor of Science- Computer Science- Software Engineering Concentration Effective Fall 2019

The Bachelor of Business Administration degree requires a minimum of 120 credit hours.

Required Core Courses	
Refer to catalog for General Education Requirements	42 hours

Required Intro to Computer Science Courses		
Course Number	Course Title	Credit Hours
Math 2413	Calculus I	4
Math 2305	Discrete Mathematics	3
Math 2414	Calculus II	4
Math Elective	Math Elective	3
COSC 1315	Introduction to Computer Science	3
Total Number of Hours for Intro to Computer Science		17

Required Computer Science Core Classes		
Course Number	Course Title	Credit Hours
EE 340	Computer Architecture	3
CS 310	Analysis of Algorithms	3
CS 332	C++ Programming	3
CS 355	Python Programming	3
CS 361	Database Systems and Design	3
CS 370	Programming Language Design	3
CS 410	Operating Systems	3
CS 420	Computer Networks	3
CS 480	Innovation Lab	1
CS 490	CS Senior Design I	3
CS 491	CS Senior Design II	3
Total Number of Hours for Business Core		31

Software Engineering Concentration		
Course Number	Course Title	Credit Hours
Math 430	Mathematical Modeling	3
CS 360	Artificial Intelligence	3
CS 367	Software Engineering	3
CS 481	Software Project Management	3
CS 483	User Design Methodology	3
CS 484	Software Metrics	3
Upper Division Computer Science Electives (must include 3 programming languages)		12
Total Number of Hours for Software Engineering Concentration		30
Total hours for the BS Computer Science with Software Engineering Concentration		120

For more information on the BS Computer Science with Software Engineering Concentration degree please contact: CBET@tamut.edu