Computer Science B.S.

Core Curriculum Courses

See the Core Curriculum Requirements (http://coursecatalog.tamuc.edu/undergrad/core-curriculum-requirements/)		42
Required courses in the major		
COSC 1436	Introduction to Computer Science and Programming	4
COSC 1437	Programming Fundamentals II	4
COSC 2325	Introduction to Machine Language and Digital Logic.	3
COSC 2336	Data Structures and Algorithms	3
CSCI 303	Technical Communication for Computing Professionals	3
CSCI 340	Database	3
CSCI 359	Systems Analysis & Design	3
CSCI 380	Web Programming and Interface Design	3
CSCI 415	GLB/Ethics, Law & Cybersecurity	3
CSCI 428	Object Oriented Design	3
CSCI 430	Operating Systems	3
CSCI 434	Computer Networks	3
CSCI 440	App Software Project Dev	3
CSCI 450	Computer Architecture	3
plus 18 semester hours of advanced CSCI courses		18
Required support courses		
MATH 2318	Linear Algebra	3
MATH 2413	Calculus I [*]	
MATH 2414	Calculus II [*]	
MATH 2305	Discrete Mathematics	3
MATH 403	Mathematical Statistics	3
PHYS 2425 & PHYS 2426	University Physics I and University Physics II [*]	
Up to 7 SCH of advisor approved electives if any of science sequence courses or Math support courses are counted for CORE requirements.		7
Total Hours		**120**

[*]   This course should be used to satisfy the Core Curriculum Requirements.

A grade of "C" or higher must be earned in all courses in this Major with the exception of the Support Course a grade of "D" is acceptable.