

Accelerated BS-MS Computer Science

The BS-MS accelerated degree program allows undergraduate students in the Computer Science program to begin coursework towards the non-thesis option of the Master of Science in Computer Science program during their senior year at Texas A&M University-Commerce. Students can earn a B.S. and M.S. degree in five years upon completion of degree requirements for both degrees. For this accelerated program, 6 credits of graduate coursework can be applied to the undergraduate degree. To be admitted to the BS/MS Accelerated program in Computer Science, the candidate must be a Computer Science major with an overall Undergraduate GPA of 3.25. Students must apply for the accelerated program during the semester they will earn 90 semester hours or more towards their bachelors program. Once admitted, the BS/MS candidate must maintain a 3.25 Undergraduate GPA.

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	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	University Physics I *	
or PHYS 2426	University Physics II	
Graduate Core Courses		
CSCI 520A	Data Structures and Algorithm Analysis	4
CSCI 532A	Algorithm Design	3

Total Hours 120

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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.