Accelerated BS-MS-Mathematics

The BS-MS accelerated degree program allows undergraduate students in the Mathematics program to begin coursework towards the non-thesis option of the Master of Science in Mathematics 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 Mathematics, the candidate must be a Mathematics 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 Courses		42
Required Courses		
MATH 2305	Discrete Mathematics	3
MATH 2318	Linear Algebra	3
MATH 2320	Differential Equations	3
MATH 2413	Calculus I [*]	
MATH 2414	Calculus II	4
MATH 2415	Calculus III	4
MATH 402	Mathematical Probability	3
MATH 403	Mathematical Statistics	3
COSC 1436	Introduction to Computer Science and Programming	4
COSC 1437	Programming Fundamentals II	4
or PHYS 2425 or PHYS 2426		
Required Concentration Courses		
MATH 332	Methods of Mathematical Proofs	3
MATH 334	Abstract Algebra	3
MATH 511A	Real Analysis I	3
MATH 538A	Functions of Complex Variables I	3
Additional Electives Required		**35**
Additional six graduate hours can be taken in the senior year for graduate credit only, which won't be counted to the BS degree, ineligible for final aid, and approval is needed. A minor or second major is strongly suggested. Meet a math faculty member to choose a minor or a second major and for taking graduate classes.		
Total Hours		**120**

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