

MATHEMATICS FIELD OF STUDY CURRICULUM

Board Approval Date: January 2019

Effective Date: September 2020

Next Scheduled Revision: Fall 2024

The Mathematics FOS applies to all baccalaureate programs in the following CIP codes:

27.0101 Mathematics, General

Mathematics Field of Study

Prefix & Number	Course Name	Semester Credit Hours
MATH 2413	Calculus I	4
MATH 2414	Calculus II	4
MATH 2415	Calculus III	4
MATH 2318	Linear Algebra ¹	3
MATH 2320	Differential Equations ¹	3
I. PHYS 2425 II: A: PHYS 2325 B: PHYS 2125	Choose one of the following: I. University Physics I (lecture + lab) II: A. University Physics I (lecture) B. University Physics II (lab)	4

<p>I. ENGR 2304 II: A. COSC 1336 B. COSC 1436 III: A. COSC 1337 B. COSC 1437 C. COSC 2336 D. COSC 2436 E. COSC 2325 F. COSC 2425</p>	<p>Choose one of the following: I. Programming for Engineers II: A. Programming Fundamentals I (3 SCH version) B. Programming Fundamentals I (4 SCH version) III: A. Programming Fundamentals II (3 SCH version) B. Programming Fundamentals II (4 SCH version) C. Programming Fundamentals III (3 SCH version) D. Programming Fundamentals III (4 SCH version) E. Computer Organization (3 SCH version) F. Computer Organization (4 SCH version)</p>	<p>3-4</p>
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TOTAL: 25-26

¹Some receiving institutions may prefer the 4 SCH version of Linear Algebra (MATH 2418) and Differential Equations (MATH 2420); however, the 3 SCH is fully transferable and must apply to the degree program. Students are encouraged to check the curriculum of the institution to which they plan to transfer.

Courses in the Field of Study must transfer at all Texas public institutions of higher education and must be applied to the student's degree program in Mathematics and related degree programs.