

**MECHANICAL ENGINEERING  
FIELD OF STUDY CURRICULUM**

Board Approval Date: July 2017  
Effective Date: September 2018  
Next Scheduled Revision: Summer 2022

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

14.1901      Mechanical Engineering

**Mechanical Engineering Field of Study**

<b>Prefix &amp; Number</b>	<b>Course Name</b>	<b>Semester Credit Hours</b>
MATH 2413	Calculus I	4
MATH 2414	Calculus II	4
MATH 2415	Calculus III	4
I. CHEM 1409 II: A. CHEM 1309 B. CHEM 1109	Choose one: I. General Chemistry for Engineering Majors (lecture + lab) II: A: General Chemistry for Engineering Majors (lecture) B. General Chemistry for Engineering Majors (lab)	4
I. PHYS 2425 II: A. PHYS 2325 B. PHYS 2125	Choose one: I. University Physics I (lecture + lab) II: A. University Physics I (lecture) B. University Physics I (lab)	4

I. PHYS 2426 II: A. PHYS 2326 B. PHYS 2126	Choose one: I. University Physics II (lecture + lab) II: A. University Physics II (lecture) B. University Physics II (lab)	4
ENGR 2301	Engineering Mechanics: Statics	3
ENGR 2302	Engineering Mechanics: Dynamics	3
ENGR 2305	Electrical Circuits I	3
ENGR 2332	Mechanics of Materials	3

**TOTAL: 36**

*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 Mechanical Engineering and related degree programs.*