

**ELECTRICAL ENGINEERING
FIELD OF STUDY CURRICULUM**

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

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

- 14.1001 Electrical and Electronics Engineering
- 14.1004 Telecommunications Engineering

Electrical Engineering 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 2320	Differential Equations	3
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
I. COSC 1320 II COSC 1420	Choose one: I. C Programming (3 SCH version) II. C Programming (4 SCH version)	3 or 4

I. ENGR 2405 II: A. ENGR 2305 B. ENGR 2105	Choose one: I. Electrical Circuits I (lecture + lab) II: A. Electrical Circuits I (lecture) B. Electrical Circuits I (lab)	4
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TOTAL: 30-31

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 Electrical Engineering and related degree programs.