

# Associate of Science in Electrical Engineering

## First Year: Technical Coursework

Fall Semester			Spring Semester		
✓	Course	Credits	✓	Course	Credits
	ENGR 1201 Intro to Engineering	2		PHYS 2425 University Physics I <sup>†</sup>	4
	MATH 2413 Calculus I <sup>*†</sup>	4		MATH 2414 Calculus II <sup>†</sup>	4
	ENGR 2406 Digital Systems & Lab	4		ENGR 2304 Engr Programming	3
				CHEM 1409 Chem for Engineers or CHEM 1411 General Chemistry I	4

*\*Students starting in Precalculus should take the Math 2412/Math 2413 Fasttrack/Flextrack courses so they will have completed Calculus 1 by the end of the fall semester.*

## Second Year: Technical Coursework

Fall Semester			Spring Semester		
✓	Course	Credits	✓	Course	Credits
	ENGR 2308 Engineering Economics	3		ENGR 2305 <sup>†</sup> & 2105 <sup>†</sup> Circuits	4
	PHYS 2426 University Physics II <sup>†</sup>	4		COSC 1320 C Programming <sup>†</sup>	3
	MATH 2305 Discrete Math	3		MATH 2320 Differential Equations <sup>†</sup>	3
	MATH 2318 Linear Algebra	3		MATH 2415 Calculus III <sup>†</sup>	4

## Additional Coursework

Core Classes			<b>In addition to the technical coursework above, students also need to complete 8 hours of core coursework. These courses can be taken at any time.</b>
✓	Course	Credits	
	Texas Core Curriculum 1	3	
	Texas Core Curriculum 2	3	
	Texas Core Curriculum 3	2	

**Total Degree Hours: 60**

### Important Notes:

[Texas Education Code \(TEC\) 61.823](#) imposes a legal requirement that a Field of Study (FOS) curriculum must be accepted and applied for credit to the degree program upon a student's acceptance into the program. Related to the FOS statute are the rules of the Texas Higher Education Coordinating Board (THECB), [Texas Administrative Code \(TAC\) 4.32](#). The final version of four Engineering FOS curricula, which were approved by the THECB at its [meeting on July 27, 2017 \(see page 102\)](#), stipulates that they must be implemented at all institutions no later than fall 2018.

All courses marked with a <sup>†</sup> are courses in the Electrical Engineering FOS. For students earning a C or better in any of these courses, these courses are **legally required to transfer and apply to graduation requirements** upon admission to a Electrical Engineering program at any Texas public four-year institution.

If your courses are not accepted or you believe you have been denied admission to the program because of your FOS courses, you have the right to file a complaint

- <https://www1.thecb.state.tx.us/Apps/CRAFT/Home/Create>
- Every complaint is reviewed and taken very seriously