AS/BS Electrical Engineering: (Computer Engineering Concentration)

Texas State University courses taken at Collin College Technical Campus

First Year - Collin College/Texas State University

FIRST SEMESTER	SECOND SEMESTER
CHEM 1409 Chemistry for Engineering	[C] ENGL 2311 Technical & Business Writing
[C] *MATH 2413 Calculus I	[C] *MATH 2414 Calculus II
[C] ENGL 1301 Composition I	*COSC 1437 Programming Fundamentals II
COSC 1436 Programming Fundamentals I	*EE 2320/2120 Digital Logic
US 1100 University Seminar	
16 credit hours	**15 credit hours**
SUMMER SEMESTER	
[C]HIST 1301 US History I	
[C] PHYS 2425 University Physics I	**7 credits** hours

Second Year - Collin College/Texas State University

FIRST SEMESTER	SECOND SEMESTER
MATH 2415 Calculus III	[C] PHYS 2426 University Physics II
*COSC 2436 Programming Fundamentals III: Data Structures	MATH 2305 Discrete Math I
*ENGR 2305 Electrical Circuits 1/ENGR 2105 Lab	*MATH 2320 Differential Equations
*EE 3320/3120 Microprocessors	CS 3339 Computer Architecture
16 credit hours	**13 credit hours**
SUMMER SEMESTER	
[C]GOVT 2306 Texas Government	
[C]HIST 1302 US History II	**6 credit hours**

AS/BS Electrical Engineering: (Computer Engineering Concentration)

Third Year – Texas State University/Collin College

FIRST SEMESTER	SECOND SEMESTER
*EE 3300/3100 Circuits II	EE 4331 Intro to Machines for Learning Engineer Applications
*EE 3350/3150 Electronics I	*EE 3370 Signals & Systems
MATH 2318 Linear Algebra	*EE 4252/4152 Intro to BLSI Design
[C] ECON 1301 or 1302 Micro/Macroeconomics	*IE 3320 Engineering Statistics
*CS 3358 Data Structures	[C] PHIL 2306 Introduction to Ethics
17 credit hours	**15 credit hours**

Fourth Year – Texas State University/Collin College

FIRST SEMESTER	SECOND SEMESTER
EE Elective (Availability Determined by Dept)	EE 4291 Electrical Engineering Design II
EE 4372 Communication Networks	EE Electives – 6 credit hours (Availability Determined by Dept)
*EE 4290 Electrical Engineering Design I	EE 4377 Intro to Digital Signal Processing
CS 3354 Intro to Object Oriented Design	[C] Creative Arts Core 050 Course
[C]GOVT 2305 Federal Government	
14 credit hours	**14 credit hours**

[C] Fulfills core requirement

- **Minimum Graduation Requirements**
  - 2.0 or higher TXST GPA
  - 2.25 or higher major GPA
  - 2.0 or higher minor GPA
  - Minimum 127 overall hours
  - 9 hours of writing intensive coursework
  - Minimum of 36 hours of advanced coursework (3000-4000 level)
  - 24 hours of advanced TXST coursework (3000-4000 level)
  - 24 of the last 30 hours must be completed with TXST coursework
  - All students in the Electrical Engineering degree programs must complete Electrical Engineering (EE)

course prerequisites with a grade of "C" or higher.

- The Electrical Engineering degree programs include all the courses required for an Applied Mathematics minor.

Admission Requirements:

Any student admitted to Texas State may initially declare and be admitted to the electrical engineering program under a temporary status, pre-Electrical Engineering. Once a student is qualified to enroll in Texas State's MATH 2471 Calculus I they will be fully admitted to the program. Once admitted, students will be considered a "full" major, rather than a "pre" major. For more information, please refer to the full policy on the TXST College of Science and Engineering website.

Important Note: This pathway map is intended for planning purposes only and does not guarantee course availability or fulfillment of degree requirements. Requirements may vary based on individual circumstances. Students are strongly encouraged to meet with an academic advisor regularly to ensure they are on track to complete their academic program.