

Collin College/Texas State University AS/BS Engineering Technology: Electrical Engineering Technology

Guided Pathway

Texas State University courses taken at Collin College Technical Campus

◻ Fulfills core requirement

*"C" or better is required

First Year - Collin College

First Semester	Second Semester
◻ *MATH 2413 Calculus I	◻ ENGL 2311 Technical & Business Writing
◻ ENGL 1301 Composition I	◻ HIST 1301 US History I
CHEM 1409 Chemistry for Engineering	◻ MATH 2414 Calculus II
COSC 1436 Programming Fundamentals I	*COSC 1437 Programming Fundamentals II
US 1100 University Seminar	*ENGR 2300 Materials Engineering
16 credit hours	17 credit hours

Second Year - Collin College/Texas State University

First Semester	Second Semester	Summer Semester
*EE 2320/2120 Digital Logic	◻ PHYS 2426 University Physics II	TECH 2190 Internship
◻ *PHYS 2425 University Physics I	◻ GOVT 2305 Federal Government	
ENGR 1304 Engineering Graphics	*IE 3320 Engineering Statistics	
◻ GOVT 2306 Texas State & Local Government	EE 3326 Numerical and Scientific Data Analysis Using Python	
◻ HIST 1302 US History II	◻ ECON 1301 or 1302 Micro/Macroeconomics	
17 credit hours	16 credit hours	1 credit hour

Texas State University courses taken at Collin College Technical Campus

◌ Fulfills core requirement

*"C" or better is required

Third Year – Texas State University/Collin College

First Semester	Second Semester
*EE 3320/3120 Microprocessors	TECH 3370 Electronics
ENGR 2301 Engineering Mechanics-Statics	TECH 3373 Communication Systems
*ENGR 2305/2105 Electrical Circuits I	ENGR 3315 Engineering Economic Analysis
TECH 3364 Quality Assurance	◌ Creative Arts Core Course
	◌ PHIL 2306 Introduction to Ethics
14 credit hours	15 credit hours

Fourth Year – Texas State University/Collin College

First Semester	Second Semester
TECH 4372 Electronic Devices and Circuits	EE 4321/EE4331/EE4332
TECH 4373 Control Systems & Instrumentation	TECH 4382 Senior Design II
TECH 4381 Senior Design I	TECH 4380 Industrial Safety
TECH 3345 Principles of Lean Systems	MGT 4330 Production & Operations Management
MGT 3301 Introduction to Management	TECH 4392 Micro & Nano Manufacturing
15 credit hours	15 credit hours

Minimum Graduation Requirements

- 2.0 or higher TXST GPA
- 2.25 or higher major GPA
- 2.0 or higher minor GPA
- Minimum 121 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

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.