

# Transfer Planning Guide 2022-2023

## Major in Electrical Engineering

## (Micro & Nano Devices & Systems Concentration

## or Networks & Communications Systems Concentration)

## Bachelor of Science Degree (BS)

## 131 Credit Hours

Texas Education Code Section 61.822 requires that Texas public institutions facilitate the transferability of lower-division course credit through the **Core Curriculum**. The [Core Curriculum](http://mycatalog.txstate.edu/undergraduate/general-education-core-curriculum/) contains nine Foundational Component Areas (42 hours), which every Texas State student must satisfy to graduate.

Texas State is a participant in the **Texas Common Course Numbering System** [(TCCNS).](https://www.tccns.org/) Use the TCCNS to find courses you can take at your institution to ensure transfer of credit toward freshman- and sophomore- level degree requirements at Texas State.

| Code | Course | Required Hours |
| --- | --- | --- |
| 010 | Communication | 6 required hours |
| 020 | Mathematics | 3 required hours *(see Recommended Core Curriculum Choices below)* |
| 030 | Life and Physical Sciences | 6 required hours *(see Recommended Core Curriculum Choices below)* |
| 040 | Language, Philosophy & Culture | 3 required hours *(see Recommended Core Curriculum Choices below)* |
| 050 | Creative Arts | 3 required hours |
| 060 | American History | 6 required hours |
| 070 | Government/Political Science | 6 required hours |
| 080 | Social and Behavioral Sciences | 3 required hours *(see Recommended Core Curriculum Choices below)* |
| 090 | Component Area Option | 6 required hours *(see Recommended Core Curriculum Choices below)* |

*Students will receive core credit at Texas State for any course successfully completed in the Core Curriculum of the sending institution.*

## RECOMMENDED CORE CURRICULUM CHOICES FOR THE BS in ELECTRICAL ENGINEERING

This degree requires specific courses for degree completion, and with wise planning, you may take courses that satisfy both the Core Curriculum and the BS requirements:

| Courses | TCCN | TEXAS STATE |
| --- | --- | --- |
| 020 Mathematics | MATH 2413 | MATH 2471 |
| 030 Life and Physical Sciences | PHYS 2425 (or 2325 & 2125) | PHYS 1430 |
| 030 Life and Physical Sciences | CHEM 1409 (or CHEM 1309 & 1109) | CHEM 1335 & 1135 |
| 040 Language, Philosophy  | PHIL 1301 or 2306 | PHIL 1305 or 1320 |
| 080 Social and Behavioral Sciences | ECON 1301 or 2302 | ECO 2301 or 2314 |
| 090 Component Area Option | MATH 2414 | MATH 2472 (092) |
| 090 Component Area Option continued | PHYS 2426 (or 2326 & 2126) | PHYS 2425 (093) |

## ADDITIONAL LOWER-DIVISION REQUIREMENTS

| TCCN | TEXAS STATE |
| --- | --- |
| MATH 2320 | MATH 3323 |
| MATH 2315 | MATH 2393 |
| COSC 1337 or 1437 | CS 1428 |
| ENGR 2405 (or 2305 & 2105) | EE 2400 |
| CHEM 1409 (or CHEM 1309 & 1109) | CHEM 1335 & 1135 |
| ENGR 2301 | ENGR 2301 |

NOTE: COSC 1320, COSC 1420 and COSC 2315 are no longer being taught at ACC. ACC converted to the new TCCN numbers COSC 1337, COSC 1437, COSC 2336 and COSC 2436.

## UNIVERSITY ADMISSION:

1. Submit a completed [application,](https://www.admissions.txstate.edu/apply) all supporting documents, including an official high school transcript and transcript(s) from every institution attended and application fee, to the Office of Undergraduate Admissions by the stated [priority date.](http://www.admissions.txstate.edu/future/application-dates.html)
2. Students with **1-15 transferable hours** must have a minimum 2.0 GPA in all transferable course work and meet [freshman admission standards.](http://www.admissions.txstate.edu/future/freshman/admissions-requirements) Students with **16-29 transferable hours** must have a minimum 2.5 GPA in all transferable course work. Students with **30 or more transferable hours** must have a minimum 2.25 GPA in all transferable course work. All students must be eligible to return to all previous institutions and be at least one full semester out of high school.

Students transferring to Texas State from a community college may elect to follow the [Texas State](http://mycatalog.txstate.edu/) [Undergraduate Catalog](http://mycatalog.txstate.edu/) that was in effect at the time they enrolled at their community college. Students may also, with the approval of their College Dean, follow a subsequent catalog. Students are reminded to refer to their designated catalog for information related to University requirements for curriculum, graduation, probation/suspension, and other general information.

## FOR MORE INFORMATION, CONTACT:

Office of Undergraduate Admissions

Texas State University

Richard A. Castro Undergraduate Admissions Center

429 N. Guadalupe St.

San Marcos, Texas 78666

512.245.2364

<https://www.admissions.txstate.edu/>

College of Science and Engineering Advising Center

Centennial Hall, Room 202

512.245.1315

<https://www.cose.txstate.edu/advising/>

***Texas State reserves the right to withdraw courses at any time, to change its fees or tuition, calendar, curriculum, degree requirements, graduation procedures, and any other requirements affecting students. Changes will become effective whenever authorities determine and will apply to both prospective students and those already enrolled.***

**JULY 2022**