BS – Electrical Engineering: Networks & Communication Systems (SC-BS/EE/NTCM) 2024 Catalog year: College of Science and Engineering

### Core courses must be completed:
- EE 3420: Digital Logic
- EE 3430: Electromagnetics
- EE 4370: Communication Systems
- EE 4390: Electrical Engineering Design II

### Senior Fall semester
- EE 4372: Communication Networks

### Senior Spring semester
- EE 4391: Electrical Engineering Design II

### Senior
- EE 4372: Communication Networks
- EE 4391: Electrical Engineering Design II

### Junior
- EE 4350: Electronics II
- EE 4355: Solid State Devices
- EE 4390: Electrical Engineering Design I

### Junior Spring semester
- EE 4370: Digital Image Processing
- EE 4390: Electrical Engineering Design I

### Required WI courses: EE 3420, 4390, 4391

### Spring semester
- EE 3400: Circuits II
- EE 3370: Signals & Systems

### Junior
- MATH 3320: Engineering Statistics
- EE 3400: Circuits II

### Fall semester
- MATH 3377: Linear Algebra
- EE 3400: Circuits II

### Sophomore
- PHYS 2335: Waves & Heat Lab
- PHYS 2326: Electricity & Magnetism
- MATH 2393: Calculus III

### Sophomore Spring semester
- PHYS 2126: Electricity & Magnetism Lab
- PHYS 216: Electricity & Magnetism
- MATH 2471: Calculus I

### Sophomore
- PHYS 216: Electricity & Magnetism
- MATH 2471: Calculus I
- MATH 2393: Calculus III

### Fall semester
- EE 2400: Linear Algebra
- PHYS 2326: Electricity & Magnetism

### Freshman
- CHEM 1335+1135 (F,S,Su)
- CS 1428 (F,S,Su)
- ENGR 2301 (F,S,Su)

### Freshman Fall semester
- CHEM 1335+1135 (F,S,Su)
- CS 1428 (F,S,Su)
- ENGR 2301 (F,S,Su)

### Freshman Spring semester
- PHYS 2126: Electricity & Magnetism
- PHYS 2126: Electricity & Magnetism
- MATH 2471: Calculus I

### Core courses must be completed:
- 6 credits Core 010
- 3 credits Core 020
- 6 credits Core 030
- 3 credits Core 040
- 3 credits Core 050
- 6 credits Core 060
- 3 credits Core 070
- 3 credits Core 080
- 6 credits Core 090

### 3 hours from:
- EE 4323 – Digital Image Processing (S)
- EE 4320 – Intro to Digital Signal Processing (FS)

### 11 hours from:
- EE 3326
- EE 4321
- EE 4351
- EE 4352
- EE 4354
- EE 4355
- EE 4356
- EE 4358
- EE 4359
- EE 4360
- EE 4374
- EE 4375
- EE 4376
- EE 4378
- EE 4380
- EE 4381
- EE 4382

### 30 credits core and minor requirements (if applicable) and any other requirements for graduation.

This is not an official degree audit and it is subject to change. This chart is intended to be used by students who start out at Texas State. Please contact the College of Science Undergraduate Advising Center for advising.

**Note:** In addition to major courses, students must also complete all core and minor requirements (if applicable) and any other requirements for graduation.