BS – Electrical Engineering: Networks & Communication Systems  (SC-B$\text{S}$/EE/NTCM)  2017 Catalog year: College of Science and Engineering

**Freshman Fall semester**
- CHEM 1335 (F,S) Engineering Chemistry & CHEM 1141 (F,S,Su) General Chemistry Lab
- PHYS 1430 (F,S) Mechanics
- MATH 2471 (F,S,Su) Calculus I

**Freshman Spring semester**
- ENGR 2300 (F,S) Materials Engineering
- PHYS 2425 (F,S) Electricity & Magnetism
- MATH 2472 (F,S,Su) Calculus II

**Sophomore Fall semester**
- CS 1428 (F,S,Su) Foundations of Computer Science I
- PHYS 2435 (F,S) Waves & Heat
- MATH 3323 (F,S,Su) Differential Equations

**Sophomore Spring semester**
- EE 2420 (F,S) Digital Logic
- MATH 3373 (F,S,Su) Calculus III
- IE 3320 (F,S) Engineering Statistics
- EE 3400 (F,S,Su) Circuits II

**Junior Fall semester**
- EE 3420 (F,S,Su) Microprocessors
- ENGR 3375 (F,S) Engineering Mechanics
- EE 3370 (F,S) Signals & Systems
- IE 3320 (F,S) Engineering Statistics

**Junior Spring semester**
- EE 3355 (F,S) Solid State Devices
- MATH 3377 (F,S,Su) Linear Algebra
- EE 3340 (F,S) Electromagnetics
- EE 34370 (F,S) Communication Systems

**Senior Fall semester**
- EE 4391 (F,S) Electrical Engineering Design I
- EE 4390 (F,S) Electrical Engineering Design II
- EE 3350 (F,S,Su) Electronics I

**Senior Spring semester**
- EE 4372 (S) Communication Networks
- EE 4358 (F) Digital Signal Processing
- EE 4374 (F) Microprocessors
- EE 4371 (F) Digital Signal Processing

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**All prerequisite courses must be completed with C or higher.**

**KEY:**
- Arrows indicate prerequisites.
- Arrows with dotted lines indicate corequisites.
- Courses taught specific semesters are indicated with the following codes:
  - F-Fall
  - Su-Summer Session I or II
  - S-Spring

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

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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.

**Core courses must be completed:**
- __US 1100__
- __COMM 1310__
- __PHIL 1305 or 1320__
- __ENG 1310__
- __ENG 1320__
- __ENG 2310-2360__
- __HIST 1310__
- __HIST 1320__
- __ART/DAN/MU/TH 2313__
- __POSI 2310__
- __POSI 2320__
- __ECO 2301 or ECO 2314__

US 1100 & ENG 1310 recommended for first semester. HIST 1310/1320 not recommended for first semester.