BS – Electrical Engineering: Micro & Nano Systems  
(SC-BSE/EE/NANO)  
2024 Catalog year: College of Science and Engineering

Freshman  
Fall semester  
CHEM 1335+1135  
(F,S,Su)  
Engineering Chemistry  
+Lab  
TCCNS: CHEM 1409/1309+1109  
(Precedes PHYS 2435)

Spring semester  
PHYS 2325  
(F,S)  
Mechanics & Thermodynamics  
TCCNS: PHYS 2325 (Precedes PHYS 2450)

Sophomore  
Fall semester  
CS 1428  
(F,S,Su)  
Foundations of Computer Science I  
TCCNS: COSC 3200/3210

Spring semester  
EE 2420  
(F,S)  
Digital Logic  
EE required course: MATH 2471

Junior  
Fall semester  
EE 4392  
(F,S)  
Microelectronics Manufacturing I  
EE required course: PHYS 2326

Spring semester  
ENGR 3315  
(F,S,Su)  
Computing Economic  
Analysis  
EE required course: PHIL 1305 or 1320

Senior  
Fall semester  
ENGR 3352  
(F,S)  
Intro to VLSI Design  
Also requires COSC 3420  
EE required course: ENG 1310

Spring semester  
EE 4390  
(F,S)  
Electrical Engineering Design I  
EE required course: MATH 2472 & PHYS 2326

EE required course: MATH 2472 & PHYS 2326

EE required course: MATH 2471 & PHYS 2325 & CHEM 1335

All prerequisite courses must be completed with C or higher.

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.

Key:

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

Required WI courses: EE 3420, 4390, 4391

Core courses must be completed:

- 6 credits Core 010
- 3 credits Core 020
- 6 credits Core 030
- 3 credits Core 040
- 6 credits Core 050
- 6 credits Core 060
- 6 credits Core 070
- 6 credits Core 080
- 6 credits Core 090

TXST options: [ENG 1310 & ENG 1320, ENG 1321, ENG 3303, COMM 1110, COMM 3310, PHYS 2325 & CHEM 1335, PHYS 2425, HIST 2310/2327/2381 & [HIST 2320/2328/2382]

US 1100 may be required for some students. Consult with an advisor regarding course choices.

Enforced corequisite