

Semester

Electrical Engineering (EE) Degree Flowchart

Semester Hours

**1
Fall**

GOVT 2306
US/TX Constitutions

ENGL 1301
First Year Writing 1

ENGI 1100
Intro. to Engineering

MATH 2413
Calculus I

CHEM 1311
Fundamentals of Chemistry

CHEM 1111
Fundamentals of Chemistry Lab

15

**2
Spring**

HIST 1301
US History to 1877

ENGL 1302
First Year Writing 2

CHEM 1311 or
PHYS 2325

ENGI 1331
Computing & Problem Solving for Engineers

MATH 2414
Calculus II

PHYS 2325
University Physics I

PHYS 2125
University Physics I Lab

17

**3
Fall**

HIST 1302
US History since 1877

MATH 2414

MATH 3321
ENGI Mathematics

ECE 2201
Circuits I

MATH 2415
Calculus III

PHYS 2326
University Physics II

PHYS 2126
University Physics II Lab

16

**4
Spring**

X3XX
Creative Arts Core

ENGI 2304
ENGI Technical Communications

ECE 2202
Circuits II

ECE 2100
Circuits Lab

ECE 3331
Programming Applications in ECE

ECE 3441
Digital Logic Design

16

**5
Fall**

ECE 2100

ECE 3155
Electronics Lab

ECE 3355
Electronics

ECE 3337
Signals and Systems

ECE 3317
Electromagnetic Waves

ECE 3436
Microprocessor Systems

INDE 2333
Engineering Statistics

17

**6
Spring**

ECON 2302
Principles of Microeconomics

ECE 3340
Numerical Methods

Concentration Elective

Elective Lab

ECE Elective

ECE Elective

16

ECE 3355/3155, ECE 3317, ECE 3340, ECE 3436, INDE 2333, ECON2302, Dept. Approval

**7
Fall**

GOVT 2305
US Government

ECE 4335
ECE Design I

Concentration Elective

Concentration Elective

Elective Lab

Technical Elective

16

**8
Spring**

X3XX
Lang/Phil/Culture Core

ECE 4336
ECE Design II

Concentration Elective

Concentration Elective

Concentration Elective

Elective Lab

16

Total Credit Hours

129