

Semester

Computer Engineering (CpE) 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

COSC 1437
Intro to Programming

18

6
Spring

ECON 2302
Principles of Microeconomics

INDE 2333
Engineering Statistics

ECE Elective + Lab

ECE 5367
Intro Computer Architecture

MATH 2305
Discrete Math

16

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

7
Fall

ECE 4335
ECE Design I

CpE Elective + Lab

ECE 3457
Digital Electronics

COSC 2436
Programming and Data Structures

15

8
Spring

GOVT 2305
US Government

ECE 4336
ECE Design II

CpE Elective + Lab

X3XX
Lang/Phil/Culture Core

COSC 4351
Fund Software Engineering

16

Total Credit Hours

129