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 and Engineering 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
- ENG 1310
- HIST 1310
- POSI 2310

Additional WI courses: TECH 4330

Choose 8 hours mechanical systems elective:
- MFGE 4367 (S)
- MFGE 4392 (F,S)

Check prerequisites

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

Required WI courses: MFGE 4363, 4395

Additional WI courses: TECH 4330

IC 1313
(F,S,Su)
Engineering Design Graphics

CHEM 1341
(F,S,Su)
General Chemistry I

CHEM 1141
(F,S,Su)
General Chemistry II

ENGR 2300
(F,S,Su)
Materials Engineering

PHYS 2425
(F,S)
Electricity & Magnetism

PHYS 1430
(F,S)
Mechanics

MATH 2472
(F,S,Su)
Calculus II

MATH 2471
(F,S,Su)
Calculus I

MATH 3323
(F,S,Su)
Differential Equations

IE 3320
(F,S)
Engineering Statistics

IE 3330
(F,S)
Quality Engineering

MFGE 2332
(F,S,Su)
Materials Selection

MFGE 4365 (S,Su)
Tool Design

MFGE 4355 (S)
Design of Machine Elements

MFGE 4357 (F)
Dynamics of Machinery

MFGE 4376 (S)
Control Systems & Instrumentation
Also requires PHYS 1430

MFGE 4396
(S,Su)
Manufacturing Systems Design

IE 3360 (F,S)
Methods Engineering & Ergonomics

ENGR 3311
(F,S)
Math 3375 also an acceptable prereq

ENGR 3373
(F,S)
Circuits & Devices

ENGR 3375
(F,S,Su)
Engineering Mechanics

CS 1428
(F,S,Su)
Foundations of Computer Science I

ENGR 3315
(F,S)
Engineering Economic Analysis

ENGR 3316
(F,S)
Computer Aided Design & Manufacturing

Physics 3315
Thermodynamics

CS 3377
Computer Science I

ENG 3385
(F)
Facilities Planning

ENG 3377
Computer Aided Design

ENG 3392
Computer Integrated Manufacturing

ENG 3395
(F,S)
Computer Integrated Manufacturing

ENG 5373
Manufacturing Systems Engineering

ENG 5392
(F,S)
Manufacturing Processes Engineering

ENG 5399
C16

ENG 5355 (S)
Design of Machine Elements

ENG 5357 (F)
Dynamics of Machinery

ENG 5376 (S)
Control Systems & Instrumentation
Also requires PHYS 1430

ENG 5396
(S,Su)
Manufacturing Systems Design

ENG 5360 (F,S)
Methods Engineering & Ergonomics

ENG 5312
(F)