BS – Manufacturing Engineering

(SC-Bs/MFGE)

2018 Catalog year: College of Science and Engineering

**Freshman Fall semester**
- MATH 2471 (F,Su) Calculus I

**Freshman Spring semester**
- MATH 2472 (F,Su) Calculus II

**Sophomore Fall semester**
- PHYS 1430 (F,S) Mechanics
- MATH 3323 (F,Su) Differential Equations

**Sophomore Spring semester**
- PHYS 2425 (F,S) Electricity & Magnetism
- CHEM 1341 (F,Su) General Chemistry I I
- CHEM 1335 (F,S) Engineering Chemistry
- CHEM 1141 (F,Su) General Chemistry I Lab
- ENGR 1313 (F,Su) Engineering Design Graphics
- ENGR 2300 (F,S) Materials Engineering
- MFGE 2332 (F,S) Materials Selection

**Junior Fall semester**
- CS 1428 (F,Su) Foundations of Computer Science I
- ENGR 2375 (F,S) Engineering Mechanics
- MATH 3377 (F,S) Linear Algebra
- IE 3320 (F,S) Engineering Statistics

**Junior Spring semester**
- Choose 3-4 hours: MATH 3373
- MATH 3330
- PHYS 2485
- PHYS 3315
- CHEM 342/1142
- IE 3321 (F,S) Manufacturing Processes
- MATH 3373 also an acceptable prerequisite

**Senior Fall semester**
- ENGR 3315 (F,S) Engineering Economic Analysis
- ENGR 3390 Manufacturing Engineering Senior Design I
- MFGE 4390 (F,S)
- MFGE 4391 (F,S) Must be senior Manufacturing Engineering Senior Design II
- MFGE 4376 (F,S) Manufacturing System Design
- MGT 4330 (F,S) Operations Management

**Senior Spring semester**
- MGT 430 (F,S) Manufacturing Program Coordinator
- Manufacturing Program Coordinator
- Manufacturing Program Coordinator

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.

**KEY:**
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 4395, 4396, 4390, 4391
Additional WI courses: TECH 4330, IE 4360

Core courses must be completed:
- US 1100
- COMM 1310
- PHIL 1305 or 1320
- ENG 1310
- ENG 1320
- ENG 2410-2360
- HIST 1310
- HIST 1320
- ART/DAN/MU/TH 2313
- POSI 2310
- POSI 2320
- ECO 2301

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