BS – Manufacturing Engineering (SC-BS/MFGE) 2015 Catalog year: College of Science and Engineering

Freshman Fall semester
- PHYS 1430 (F, S) Mechanics
- MATH 2471 (F, S, Su) Calculus I
- CHEM 1341 (F, S, Su) General Chemistry I
- ENGR 1313 (F, S, Su) Engineering Design Graphics

Freshman Spring semester
- PHYS 2425 (F, S) Electricity & Magnetism
- MATH 2472 (F, S, Su) Calculus II
- CHEM 1141 (F, S, Su) General Chemistry II
- ENGR 2300 (F, S, Su) Materials Engineering

Sophomore Fall semester
- PHYS 2475 (F, S) Mechanics
- ENGR 2330 (F, S, Su) Materials Science
- MFGE 2332 (F, S, Su) Materials Selection

Sophomore Spring semester
- CS 1428 (F, S, Su) Foundations of Computer Science I
- ENGR 3375 (F, S) Engineering Mechanics
- MATH 3323 (F, S, Su) Differential Equations
- IE 3320 (F, S) Engineering Statistics

Junior Fall semester
- ENGR 3373 (F, S) Circuits & Devices
- MATH 3377 (S, Su) Linear Algebra
- ENGR 3375 (F) Engineering Mechanics
- MATH 3323 (F, S, Su) Linear Algebra

Junior Spring semester
- ENGR 3311 (F, S) MATH 3373 also an acceptable prerequisite
- MGT 3303 (S) Management of Organizations
- IE 3330 (F, S) Quality Engineering
- MFGE 3316 (F, S) Computer Aided Design & Manufacturing

Senior Fall semester
- ENGR 3315 (F, S) Engineering Economic Analysis
- MFGE 4363 (F, S) Must be senior Corequisite: Properties of Engineering
- MGT 4330 (F, S) Operations Management
- MFGE 4395 (F, S) Corequisite: Manufacturing Engineering

Senior Spring semester
- MFGE 4376 (S, Su) MATH 3323 is a corequisite: Control Systems & Instrumentation
- IE 4355 (F, S) Manufacturing Systems Design
- MFGE 4363 (F, S) Manufacturing Systems Design
- MGT 4330 (S, Su) Operations Management

**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
  - S-Spring
  - Su-Summer Session I or II

**Core courses must be completed:**

- **US 1100**
- **COMM 1310**
- **PHIL 1305 or 1320**
- **ENG 1310**
- **ENG 1320**
- **ART/2130-2360**
- **HIST 1310**
- **HIST 1320**
- **ART/DAN/MU/TH 2313**
- **POSI 2310**
- **POSI 2320**
- **ECO 2301 or ECO 2314**

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