BS – Manufacturing Engineering
(SC-BS/MFGE)

2017 Catalog year: College of Science and Engineering

Freshman Fall semester
- PHYS 1430 (F,S) Mechanics
- MATH 2471 (F,S,Su) Calculus I

Freshman Spring semester
- MATH 2472 (F,S,Su) Calculus II
- CHEM 1341 (F,S,Su) General Chemistry I
- ENGR 1313 (F,S,Su) Engineering Design Graphics

Sophomore Fall semester
- ENGR 3200 (F,S) Materials Engineering
- CHEM 1316 (F,S) Chemistry I
- MATH 3323 (F,S,Su) Differential Equations

Sophomore Spring semester
- PHYS 2425 (F,S) Electricity & Magnetism
- PHYS 1430 (F,S) Mechanics
- MATH 2472 (F,S,Su) Calculus II

Sophomore Fall semester
- MFGE 2300 (F,S) Materials Science
- ENGR 2300 (F,S) Materials Engineering
- MATH 2471 (F,S,Su) Calculus I

Sophomore Spring semester
- MATH 3377 (F,S,Su) Linear Algebra
- MATH 3377 (F,S,Su) Linear Algebra
- ENGR 3375 (F,S,Su) Engineering Mechanics

Junior Fall semester
- CS 1428 (F,S,Su) Foundations of Computer Science I
- ENGR 3373 (F,S) Circuits & Devices
- ENGR 3373 (F,S) Circuits & Devices

Junior Spring semester
- ENGR 3311 (F,S) Engineering Mechanics
- Choose 3-4 hours: MATH 3373
- MATH 3330
- PHYS 2485
- PHYS 3315

Senior Fall semester
- ENGR 3315 (F,S) Engineering Economic Analysis
- MFGE 3430 (F,S) Manufacturing Processes
- IE 3360 (F,S) Methods Engineering & Ergonomics

Senior Spring semester
- MGT 4303 Management of Organizations
- IE 4355 (F,S) Facilities Planning
- IE 4355 (F,S) Facilities Planning
- MFGE 4390 (F,S) Must be senior Manufacturing Engineering Senior Design I

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

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

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

Note: In addition to major courses, students must also complete all core and minor requirements (if applicable) and any other requirements for graduation.