ONLINE Engineering Management, BSE
Bachelor of Science in Engineering, 2024 Catalog Year

**ESEMGSE**

**FALL-1**
- ENG 101 (3) 1st-Year Comp.
- ASU 101-CAI (1) ASU Experience
- FSE 100 (2) Intro to Engineering
- MAT 265 (3) CALC I ***
- PHY 121 & 122 (3) & (1) University Physics I & Laboratory
- AMIT (3)
- HUAD (3)

15 HOURS

**SPRING-2**
- ENG 102 (3) 1st-Year Comp.
- CHM 113 (4) OR CHM 114 (4)
- CSE 110 (3) Principles of Programming Java
- MAT 266 (3) CALC II
- HUAD (3)

16 HOURS

**FALL-3**
- ECN 211 (3) Macro OR ECN 212 (3) Micro
- CSE 205 (3) Object-Oriented Programming
- MAT 267 (3) CALC III
- PHY 121 & 122 (3) & (1) University Physics I & Laboratory
- MAT/SCI* FOR FOCUS AREA (3)

16 HOURS

**SPRING-4**
- CIVI (3)
- ACC 231 (3) Uses of Acctg Info I
- ACC 241 (3) Uses of Acctg Info II
- IEE 380** (3) Prob. & Stats.
- FOCUS AREA* (3)

15 HOURS

**FALL-5**
- IEE 300 (3) Economic Analysis for Engr
- IEE 457 (3) System Dynamics and Thinking
- IEE 321 (1) Ethics & Technology
- IEE 381** (3) Lean Six Sigma Methodology
- IEE 456** (3) Project Mgmt.
- ENG 101/105/107

15 HOURS

**SPRING-6**
- IEE 369 (3) Work Analysis & Design
- IEE 458** (3) Risk Mgmt.
- IEE 454** (3) Org. & Mgmt. Leadership
- IEE 369
- IEE 458
- MAT/SCI* FOR FOCUS AREA (3)
- FOCUS AREA* (3)

16 HOURS

**FALL-7**
- IEE 485 (3) Capstone I
- MGT 300** (3) Org. & Mgmt. Leadership
- IEE 486 (3) Capstone II
- ENG 101/105/107
- MAT/SCI* FOR FOCUS AREA (3)
- FOCUS AREA* (3)

15 HOURS

**SPRING-8**
- IEE 431 (3) Intro to Systems Engineering
- IEE 432 (3) Organizational Behavior
- IEE 433 (3) Ethics & Technology
- IEE 434 (3) Entrepreneurship
- IEE 435 (3) Capstone II

12 HOURS

*Review EM Major Map for specific focus area courses: https://scai.engineering.asu.edu/engineering-management-bse/engineering-management-degree-requirements-online/

*** First math class is determined by ALEKS Placement Assessment
** IEE 380 is the prerequisite to many IEE-upper division courses
Prerequisite Pre or Co-requisite

Color Coding Key: Completed Requirements Enrolled Need to Retake