Bachelor of Science in Mechanical Engineering (BSME)
Program Map - Effective Fall 2018
Total Credit hours: 128

Semester 1 (14cr.)
- ENGR 19500 [1c] New Student Seminar
- ENGR 19600 [3c] Intro. to Engineering
- MATH 16500 [4c] Analytic Geom. & Calc 1
- ME 10000 Gen Ed
- ENGR 19700 [2c] Intro. to Programming C: MATH 16500
- STAT 10000 Gen Ed
- ENGR 29700 [1c] Computer Tools
- Gen Ed [3c]

Semester 2 (16cr.)
- MATH 17100 [3c] Multidimensional Math
- PHYS 15000 [4c] Mechanics C: MATH 16600
- ME 27000 [3c] Basic Mechanics 1 C: MATH 26100
- ECE 20400 [4c] Intro to Electrical Circuits C: PHYS 25100
- STAT ELEC [3c]
- ENGR 19500 or ENGR 19600
- ENGR 19700 [1c] New Student Seminar
- ENG-W 131 [3c] Elementary Composition
- C: MATH 16600

Semester 3 (17cr.)
- MATH 16600 [4c] Analytic Geom. & Calc 2
- PHYS 25100 [5c] Heat, Electricity & Optics
- ME 27400 [3c] Basic Mechanics 2 C: MATH 26600
- ME 27000 [3c] Basic Mechanics 1 C: MATH 26100
- Phys ELEC [3c]
- CHEM-C 105 [3c] Principles of Chemistry 1
- COMM-R 110 [3c] Fundamentals of Speech
- MATH 16500 [4c] Analytic Geom. & Calc 1
- MATH 16600 [4c] Analytic Geom. & Calc 2
- ENGR 29700 [1c] Computer Tools
- GEN ED
- SCI/TECH ELEC [3c]

Semester 4 (16cr.)
- ME 26200 [2c] Engr. Design, Ethics, Entrpnrshp
  C: Comm -R 110, ENGR 29700, ME 27000, ENG-W 131, ME 25001
- ME 26600 [3c] Ordinry Diff. EQ
- Gen Ed [3c]
- MATH 17200 [3c] Intro to Electrical Circuits C: PHYS 25100
- ECE 20400 [4c] Intro to Electrical Circuits C: PHYS 25100
- Gen Ed [3c]
- STAT ELEC [3c]
- ME 26200 [2c] Engr. Design, Ethics, Entrpnrshp
  C: Comm -R 110, ENGR 29700, ME 27000, ENG-W 131, ME 25001
- GEN ED
- SCI/TECH ELEC [3c]

Semester 5 (16cr.)
- ME 34000 [2c] Dynamic Sys. Measurements C: STAT ELEC.
- ME 37200 [3c] Design of Mechanisms
- ME 35001 [1c] ME Lab 4 C: ME 31400, R: ME 37200
- STAT ELEC [3c]
- Gen Ed [3c]
- STAT ELEC [3c]
- ME 31000 [3c] Fluid Mechanics C: ME 32501
- ME 32501 [1c] ME Lab 3 C: ME 31000
R: ME 27200

Semester 6 (17cr.)
- ME 35001 [1c] ME Lab 4 C: ME 31400, R: ME 37200
- ME 48200 [3c] Control Sys. Analis & Design C: ME 34000, ME 42501
- ME 42501 [1c] ME Lab 5 C: ME 48200
- TECH ELEC [3c]
- GEN ED [3c]
- TECH ELEC [3c]
- Restricted ELEC [3c]
- C: CO-REQUISITE (course must be taken before or with indicated course)

Semester 7 (16cr.)
- ME 41400 [3c] Thermal-Fluid System Design C: ME 31400
  or
- ME 48200 [3c] Control Sys. Analis & Design C: ME 34000, ME 42501
- ME 49700 [1c] Robust Design, Standards & Contemp. Issues C: ME 48200
- TCM 36000 [2c] Comm in Engr Practice
- ME 49700 [1c] Robust Design, Standards & Contemp. Issues C: ME 48200

Semester 8 (16cr.)
- TECH ELEC [3c]
- TECH ELEC [3c]
- ME 46200 [3c] Capstone Design C: ME 48200, ME 49700, ME 41400 OR ME 45310
- Gen Ed [3c]

Minimum GPA of 2.0 required.

- Requires C- or better
- Choose Either ME 41400 or ME 45310
- Passing grade required

Pre-requisite

C: CO-REQUISITE (course must be taken before or with indicated course)

R: Recommend course is taken with lab