**FIRST YEAR**

**Fall** (12 credit hours, 14 contact hours)
- ENC 1101 English Composition I – GEP 1 3(3,0)
- ECGS 1060c Intro to the Engr Prof 1 1(1,2)
- MAC 2311C Calc. I w/ Analytic Geometry – C1 4(4,0)
- Pick One - CHS 1440 Principals of Chemistry or *CHM 2045C Chemistry Fundamentals I – GEP 11 4(3,1)

**Spring** (15 credit hours, 19 contact hours)
- ENC 1102 English Composition II – GEP 2 3(3,0)
- SPC 1608 Oral Communications – GEP 3 3(3,0)
- EML 4501C Engineering Design I w/ Analytic Geometry 4(4,0)
- *PHY 2048C General Physics Using Calc I – GEP 11 4(3,3)

**Summer** (10 credit hours, 11 contact hours)
- *MAC 2313 Calc. III w/ Analytic Geometry 4(4,0)
- *EGN 3310 Engr Analysis Statics 3(3,0)
- *COP 3223C Intro to Programming with C 3(1,1)

**SECOND YEAR**

**Fall** (13 credit hours, 15 contact hours)
- *EGN 3321 Engineering Analysis - Dynamics 3(3,0)
- MAP 2302 Differential Equations 3(3,0)
- *PHY 2049C General Physics Using Calculus II 4(3,3)
- *EML 3303C Structure & Properties of Materials 3(3,0)

**Spring** (12 credit hours, 12 contact hours)
- *EGN 3337 Principles of Electrical Engr 3(3,0)
- *EGN 3343 Thermodynamics 3(3,0)
- *EGM 3601 Solid Mechanics 3(3,0)
- Historical Foundation – GEP 4 3(3,0)

**SECOND YEAR**

**Fall** (15 credit hours, 18 contact hours)
- EML 3933 Career/Academic Advising I 0(0,0)
- *EML 3034C Modeling Methods in MAE 3(3,1)
- *EML 3701 Fluid Mechanics 3(3,0)
- *EML 3303C Mechanical Engr Measurements 3(2,3)
- *EML 3500 Design & Analysis of Machine Components 3(3,0)
- Life Sciences Foundation – GEP 12 3(3,0)

**Spring** (15 credit hours, 15 contact hours)
- *EML 4142 Heat Transfer 3(3,0)
- *EML 4225 Introduction to Vibrations & Controls 3(3,0)
- *Approved Technical Elective 3(3,0)
- Social Foundation – GEP 10 3(3,0)

**THIRD YEAR**

**Fall** (15 credit hours, 18 contact hours)
- EML 4931 Career/Academic Advising II 0(0,0)
- *EML 4502C Engineering Design II 3(2,4)
- *Approved Technical Elective 3(3,0)
- *Laboratory Course (Choose 1 of 2) 3(2,3)
- Cultural Or Historical Foundation – GEP 6 3(3,0)

**Spring** (12 credit hours, 18 contact hours)
- *EML 4502C Engineering Design II 3(2,4)
- *Laboratory Course (Choose 1 of 2) (See List Below) 3(2,3)
- Cultural Or Historical Foundation – GEP 6 3(3,0)

**FORTH YEAR**

**Fall** (15 credit hours, 18 contact hours)
- EML 4703 Fluid Mechanics II 3(3,0)

**Spring** (12 credit hours, 18 contact hours)
- EML 4313 Inter Systems Dynamics & Controls 3(3,0)
- EML 4703 Fluid Mechanics II 3(3,0)

**ALL Mechanical Students Will Select 2 of 5 Courses (6 Credit Hours):**
- EML 4143 Heat Transfer II 3(3,0)
- EML 4313 Inter Systems Dynamics & Controls 3(3,0)
- EML 4703 Fluid Mechanics II 3(3,0)
- EML 4306C Energy Systems Lab 3(2,3)

**ALL Mechanical Students Will Select 1 of 2 Laboratory Courses (3 Credit Hours):**
- EML 4301C Mechanical Systems Lab 3(2,3)
- EML 4306C Energy Systems Lab 3(2,3)