FIRST YEAR

Fall (15 credit hours, 17 contact hours)
- EGN 1006 Introduction to Engr Prof 1(1,2)
- ENC 1101 English Composition I 3(3,0)
- *CHS 1440 Chemistry for Engrs or CHM 2045 w/lab 4(3,1)
- *MAC 2311 Calculus I 4(4,0)
- ECO 2013 Econ I (pref) or ECO 2023 Econ II 3(3,0)

Spring (15 credit hours, 19 contact hours)
- EGN 1007 Engineering Concepts & Methods 1(1,2)
- ENC 1102 English Composition II 3(3,0)
- *MAC 2312 Calculus II 4(4,0)
- PHY 2048 Physics for Engineers I w/lab 4(3,3)
- SPC 1603 Oral Com For Engi (pref.) or SPC 1608 Oral Com 3(3,0)

SECOND YEAR

Fall (13 credit hours, 15 contact hours)
- EGN 3310 Engr Analysis Statics 3(3,0)
- *MAP 2302 Differential Equations 3(3,0)
- PHY 2049 Physics for Engr II wLab 4(3,3)
- STA 3032 Probability/Statistics 3(3,0)

Spring (12 credit hours, 14 contact hours)
- EML 3303C Mech Engr. Meas. I 3(2,3)
- Approved Technical Elective 3(3,0)

THIRD YEAR

Fall (15 credit hours, 17 contact hours)
- EML 3701 Fluids Mechanics I 3(3,0)
- EML 3500 Machine Design 3(3,0)
- EML 3034C Model. Met. MMAE 3(3,0)
- EML 3302C Mech Engr. Meas. I 3(2,3)
- Science Foundation 3(3,0)
- EML 3990 ME Career/Acad Fac. Adv. I 0(0,0)

Spring (14 credit hours, 19 contact hours)
- EML 4220 Vibrations 3(3,0)
- EML 4142 Heat Transfer 3(3,0)
- EML 4535C CAD/CAM 3(2,3)
- Approved Technical Elective 3(3,0)

FOURTH YEAR ENERGY SYSTEMS OPTION

Fall (14 credit hours, 21 contact hours)
- EML 4510C Engineering Design I 3(1,6)
- EML 4302 Kinematics of Mechanisms 3(3,0)
- EML 4312C Feedback Control 3(2,3)
- EML 4221C Mechanical Systems Exp. Tech 2(1,2)
- EML 4991 ME Career/Acad Fac. Adv. II 0(0,0)

Spring (13 credit hours, 19 contact hours)
- EML 4304C Design of Thermo-Mech Exp. 2(1,3)
- EML 4305C Engineering Design II 3(1,6)
- EML 4302C Engineering Design II 2(1,6)
- Approved Technical Elective 3(3,0)
- Approved Technical Elective 3(3,0)

FOURTH YEAR MECHANICAL SYSTEMS OPTION

Fall (14 credit hours, 21 contact hours)
- EML 4501C Engineering Design I 3(1,6)
- EML 4302 Kinematics of Mechanisms 3(3,0)
- EML 4312C Feedback Control 3(2,3)
- EML 4221C Mechanical Systems Exp. Tech 2(1,2)
- Approved Technical Elective 3(3,0)
- Approved Technical Elective 3(3,0)

Spring (13 credit hours, 20 contact hours)
- EML 4304C Design of Thermo-Mech Exp. 2(1,3)
- EML 4305C Engineering Design II 3(1,6)
- Approved Technical Elective 3(3,0)
- Approved Technical Elective 3(3,0)

FOURTH YEAR MATERIALS SYSTEMS OPTION

Fall (15 credit hours, 21 contact hours)
- EMA 4102 Thermodyn. & Kinetics of Mats. 3(3,0)
- EML 4510C Engineering Design I 3(1,6)
- EMA 3124 Design and Select of Mats 3(3,0)
- EML 4312C Feedback Control 3(2,3)
- Approved Technical Elective 3(3,0)
- Approved Technical Elective 3(3,0)

Spring (12 credit hours, 17 contact hours)
- EMA 3012C Exp. Tech. in Mech. and Mat. 3(2,2)
- EML 4302C Engineering Design II 3(1,6)
- EMA 4223 Fund. of Mech. Behavior of Mats. 3(3,0)
- EML 4305C Engineering Design II 3(1,6)
- Approved Technical Elective 3(3,0)

IMPORTANT NOTICE:
* Grade of C or better is required.

Bolded course should be taken in the term noted or in a previous term if your schedule permits and as long as all prerequisites for that course have been met.

Non-bolded course may be taken at any time as long as all prerequisites for that course have been met. Caution must be taken to insure that you take courses in a proper sequence according to prerequisites.

Please meet with your advisor if you have any questions regarding your schedule. Do not drop any course before discussing this action with your advisor — there may be alternative actions, which will benefit you.

If you are not ready to begin the Calculus sequence upon entry to the Mechanical Engineering curriculum it is imperative that you meet with your advisor to plan a personalized program of study. Mathematics and physics are cornerstones of a quality engineering program and it is important for your academic career that you proceed accordingly.

Revised: 11/18/2009