FIRST YEAR

Fall (12 credit hours, 14 contact hours)
EGN 1006 Intro to the Engr Prof  1(1,2)
ENC 1101 English Composition I  3(3,0)
*MAC 2311 Calc. I  4(4,0)

Spring (15 credit hours, 19 contact hours)
EGN 1007 Engr Concepts & Methods  1(1,2)
ENC 1102 English Composition II  3(3,0)
*MAC 2312 Calc. II  4(4,0)
*PHY 2048C Physics for Engineers I w/lab  4(3,3)

Summer (10 credit hours, 10 contact hours)
SPC 1608 Oral Communications  3(3,0)

SECOND YEAR

Fall (13 credit hours, 15 contact hours)
STA 3032 Probability & Statistics  3(3,0)
*MAP 2302 Differential Equations  3(3,0)
PHY 2049C Phys for Engr II w/lab  4(3,3)
EGN 3310 Engr Analysis Statics  3(3,0)

Spring (12 credit hours, 12 contact hours)
EML 3217 Engineering Analysis Dynamics  3(3,0)
EGN 3343 Thermodynamics  3(3,0)
EGM 3601 Solid Mechanics¹  3(3,0)

Summer (9 credit hours, 9 contact hours)

THIRD YEAR

Fall (15 credit hours, 17 contact hours)
EML 3034C Mod Met in MAE¹  3(3,0)
EML 3990 Career/Academic Advising I  0(0,0)
EML 3701 Fluid Mechanics¹  3(3,0)
EGN 3330C ME Engr Measurements  3(2,3)
EML 3500 Machine Design  3(3,0)
Science Foundation  3(3,0)

Spring (15 credit hours, 19 contact hours)
EML 4225 Introduction to Vibrations & Controls  3(3,0)
EML 4142 Heat Transfer  3(3,0)
Approved Technical Elective  3(3,0)
Approved Technical Elective  3(3,0)
Laboratory Course (Choose 1 of 2)  3(2,3)
(See List Below)

Summer (6 credit hours, 6 contact hours)

FOURTH YEAR

Fall (15 credit hours, 19 contact hours)
EML 4501C Engineering Design I  3(1,6)
EML 4499 Career/Academic Advising I  0(0,0)
Approved Technical Elective  3(3,0)
Approved Technical Elective  3(3,0)
Option Course (Choose 1 of 5)  3(3,0)
(See List Below)
Option Course (Choose 1 of 5)  3(3,0)
(See List Below)

Spring (12 credit hours, 16 contact hours)
EML 4502C Engineering Design II  3(1,8)
EML 4610 Career/Academic Advising II  0(0,0)
Approved Technical Elective  3(3,0)
Approved Technical Elective  3(3,0)
Laboratory Course (Choose 1 of 2)  3(2,3)
(See List Below)

Summer (6 credit hours, 6 contact hours)
ALL Mechanical Students Will Select 2 of 5 Courses (6 Credit Hours) :
EML 3101: Thermodynamics of Mechanical Systems  3(3,0)
(Pr: EGN 3343)
EML 4505: Machine Design II  3(3,0)
(Pr: EML 3500; CR: EML 4535C)
EML 4143: Heat Transfer II  3(3,0)
(Pr: EML 4142)
EML 4311: Intermediate System Dynamics & Controls  3(3,0)
(Pr: EML 3217, EML 4225)
EML 4703: Fluids Mechanics II  3(3,0)
(Pr: EML 3701)

ALL Mechanical Students Will Select 1 of 2 Laboratory Courses (3 Credit Hours) :
EML 4301C Mechanical Systems Lab  3(2,3)
(Pr: EML 3303C, EGM 3601; CR: EML 4225)
EML 4306C Energy Systems Lab  3(2,3)
(Pr: EML 3303C; CR: EML 4142)

IMPORTANT NOTICES:

* Grade of C or better is required in these courses.
¹ Grade of C or better is required in MAC 2311, MAC 2312, MAC 2313 and PHY 2048C

Bolded Courses should be taken in the term noted or 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 regarding 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 options.

If you are not ready to begin the Calculus sequence upon entry to the Aerospace 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 that you proceed accordingly.