MECHANICAL ENGINEERING

FIRST YEAR

FALL
- MATH 1004 Calculus for Eng. Students
- Elective Basic Science Elective
- CHEM 1101 Chemistry for Eng. Students
- PHYS 1004 Introductory Electromagnetism & Wave Motion

WINTER
- ECOR 1041 Computation & Prog. (0.25 credit)
- ECOR 1043 Circuits (0.25 credit)
- ECOR 1045 Statics (0.25 credit)
- ECOR 1047 Visual Comm. (0.25 credit)
- ECOR 1042 Data Management (0.25 credit)
- ECOR 1044 Mechanics (0.25 credit)
- ECOR 1046 Mechanics (0.25 credit)
- ECOR 1048 Dynamics (0.25 credit)
- ECOR 1057 Engineering Profession (0.0 credit)
- ECOR 1056 Introduction to Engineering Disciplines II (0.0 credit)

SECOND YEAR

FALL
- MATH 1005 Differential Equations & Infinite Series for Eng. Students
- MAAE 2101 Engineering Dynamics
- MAAE 2400 Thermodynamics & Heat Transfer
- MAAE 2700 Engineering Materials
- MAAE 2202 Mechanics of Solids I
- MAAE 2300 Fluid Mechanics I
- MAAE 2500 Design & Analysis of Engineering Experiments
- ELEC 3605 Electrical Engineering
- ELEC 2995 Introduction to Engineering Experiments (0.0 credit)

WINTER
- MATH 2004 Multivariable Calculus for Eng. Students
- MAAE 2001 Engineering Graphical Design
- MAAE 2202 Mechanics of Solids I
- MAAE 2300 Fluid Mechanics I
- MAAE 2400 Thermodynamics & Heat Transfer
- MAAE 2700 Engineering Materials
- MAAE 2500 Design & Analysis of Engineering Experiments
- ELEC 3605 Electrical Engineering
- ELEC 2995 Introduction to Engineering Experiments (0.0 credit)

THIRD YEAR

FALL
- MATH 3705 Mathematical Methods I
- MAAE 3202 Mechanics of Solids II
- MAAE 3300 Fluid Mechanics II
- MAAE 3004 Dynamics of Machinery
- MAAE 3400 Applied Thermodynamics
- MAAE 3500 Systems and Simulation
- MAAE 3000 Materials: Strength & Fracture
- MAAE 3000 Materials: Strength & Fracture
- MAAE 3000 Materials: Strength & Fracture

WINTER
- MECH 3002 Machine Design & Practice
- MAAE 3202 Mechanics of Solids II
- MAAE 3300 Fluid Mechanics II
- MAAE 3400 Applied Thermodynamics
- MAAE 3500 Systems and Simulation
- MAAE 3000 Materials: Strength & Fracture
- MAAE 3000 Materials: Strength & Fracture
- MAAE 3000 Materials: Strength & Fracture

FOURTH YEAR

FALL
- MAAE 4907 Engineering Design Project (note b) (1.0 credit)
- MECH 3800 Engineering Economics
- MECH 4995 Engineering Portfolio (0.0 credit)
- ELEC 4602 Electrical Engineering
- ELEC 4504 Electrical Engineering
- ELEC 4602 Electrical Engineering

WINTER
- MAAE 4907 Engineering Design Project (note b) (1.0 credit)
- MECH 3800 Engineering Economics
- MECH 4995 Engineering Portfolio (0.0 credit)
- ELEC 4602 Electrical Engineering
- ELEC 4504 Electrical Engineering
- ELEC 4602 Electrical Engineering

2nd year status requires completion of (i) all ECOR 1040 series of courses with a minimum grade of C- (C minus), and (ii) all ECOR 1050 series of courses with SAT grade, and (iii) MATH 1004, MATH 1104, CHEM 1101 and PHYS 1004 with minimum grade of D- (D minus).

Notes:
(a) 2.0 credits in Mechanical and Aerospace Engineering (MAAE, AERO or MECH) at the 4000-level or ELEC 4504 or ELEC 4602.
(b) Students must complete all first and second year courses, as well as 3.5 credits of third year courses (with the exception of Complementary Studies Elective) to enroll in MAAE 4907 (Design Project).
(c) ECOR 4995 can be taken in Fall or Winter term, if elective options allow for it.