AEROSPACE ENGINEERING - STREAM A

FIRST YEAR

FALL
- MATH 1004 Calculus for Eng. Students
- PHYS 1004 Introductory Electromagnetism & Wave Motion
- CHEM 1101 Chemistry for Eng. Students
- ECOR 1042 Circuits (0.25 credit)
- ELEC 1021 Introduction to Engineering
- ELEC 1022 Communication Skills for Eng. Students (0.25 credit)
- ECOR 1041 Visualization (0.25 credit)

WINTER
- MATH 1104 Linear Algebra for Eng. Students
- ECOR 1043 Intro. to Data Management (0.25 credit)
- ECOR 1044 Intro. to Mechanics (0.25 credit)
- ECOR 1045 Intro. to Computation & Prog. (0.25 credit)
- ECOR 1046 Intro. to Engineering Disciplines I (0.0 credit)
- ECOR 1047 Intro. to Engineering Disciplines II (0.0 credit)

SECOND YEAR

FALL
- PHYS 1004 Introductory Electromagnetism & Wave Motion
- CHEM 1101 Chemistry for Eng. Students

WINTER
- MATH 1004 Calculus for Eng. Students
- PHYS 1004 Introductory Electromagnetism & Wave Motion
- CHEM 1101 Chemistry for Eng. Students
- ECOR 1043 Intro. to Data Management (0.25 credit)
- ECOR 1044 Intro. to Mechanics (0.25 credit)
- ECOR 1045 Intro. to Computation & Prog. (0.25 credit)
- ECOR 1046 Intro. to Engineering Disciplines I (0.0 credit)
- ECOR 1047 Intro. to Engineering Disciplines II (0.0 credit)

THIRD YEAR

FALL
- MATH 1005 Differential Equations & Infinite Series for Eng. Students
- AERO 2001 Aerospace Engineering Graphical Design
- MAAE 2101 Engineering Dynamics
- MAAE 2202 Mechanics of Solids I
- MAAE 2300 Fluid Mechanics I
- MAAE 2400 Thermodynamics & Heat Transfer
- MAAE 2700 Engineering Materials
- MAAE 2800 Engineering Materials
- MAAE 2900 Engineering Materials

WINTER
- MATH 2004 Multivariable Calculus for Eng. Students
- AERO 2001 Aerospace Engineering Graphical Design
- MAAE 2101 Engineering Dynamics
- MAAE 2202 Mechanics of Solids I
- MAAE 2300 Fluid Mechanics I
- MAAE 2400 Thermodynamics & Heat Transfer
- MAAE 2700 Engineering Materials
- MAAE 2800 Engineering Materials
- MAAE 2900 Engineering Materials

FOURTH YEAR

FALL
- MATH 3705 Mathematical Methods I
- AERO 3002 Aerospace Design & Practice
- MAAE 3004 Mechanics of Machinery
- MAAE 3202 Mechanics of Solids II
- MAAE 3300 Fluid Mechanics II
- MAAE 3400 Applied Thermodynamics
- AERO 3700 Aerospace Materials
- AERO 3800 Engineering Economics
- ECOR 4995 Professional Practice (0.0 credit)

WINTER
- MATH 3705 Mathematical Methods I
- AERO 3002 Aerospace Design & Practice
- MAAE 3004 Mechanics of Machinery
- MAAE 3202 Mechanics of Solids II
- MAAE 3300 Fluid Mechanics II
- MAAE 3400 Applied Thermodynamics
- AERO 3700 Aerospace Materials
- AERO 3800 Engineering Economics
- ECOR 4995 Professional Practice (0.0 credit)

Electives
- Elective Complementary Studies Elective
- Elective Basic Science Elective
- Elective Engineering Elective

Notes:
- 1.5 credits in Mechanical and Aerospace Engineering (MAAE, AERO or MECH) at the 4000-level or ELEC 4504 or ELEC 4602.
- 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 (Eng. Design Project).
- ECOR 4995 can be taken in Fall or Winter term, if elective options allow for it.