MECHANICAL ENGINEERING

**FIRST YEAR**

**FALL**
- ECOR 1051: Fundamentals of Engineering I
- MATH 1004: Calculus for Eng. Students
- CHEM 1101: Chemistry for Eng. Students
- Elective: Basic Science Elective

**WINTER**
- ECOR 1053: Fundamentals of Engineering II
- MATH 1104: Linear Algebra for Eng. Students
- CHEM 1101: Chemistry for Eng. Students
- Elective: Complementary Studies Elective

**SECOND YEAR**

**FALL**
- MATH 1005: Differential Equations and Infinite Series for Eng. Students
- MAAE 2101: Engineering Dynamics
- MAAE 2400: Thermodynamics and Heat Transfer
- Elective: Engineering Experiments

**WINTER**
- MATH 2004: Multivariable Calculus for Eng. Students
- MAAE 2202: Mechanics of Solids I
- MAAE 2700: Engineering Materials
- Elective: Engineering

**THIRD YEAR**

**FALL**
- MATH 3705: Mathematical Methods I
- MAAE 3202: Mechanics of Solids II
- MAAE 3400: Applied Thermodynamics
- Elective: Engineering Economics

**WINTER**
- MECH 3002: Machine Design & Practice
- MAAE 3300: Fluid Mechanics II
- MAAE 4102: Materials: Strength and Fracture
- Elective: Engineering Elective (note a)

**FOURTH YEAR**

**FALL**
- MECH 4003: Mechanical Systems Design
- MECH 4006: Heat Transfer
- Elective: Engineering Elective (note a)

**WINTER**
- MAAE 4907: Engineering Design Project
- MECH 4995: Professional Practice
- Elective: Engineering Elective (note a)

Notes:
- Students wanting to register in 2nd Year Status courses must complete all first year Science, Mathematics and Engineering (including a C- (C minus) grade or better in ECOR 1051, 1052, 1053 and 1054)
- Students must complete all 1st, 2nd and 3.5 credits of 3rd year (with the exception of Complementary Studies Electives) to enroll in MAAE 4907 (Design Project)

- **Engineering Common Core**
- **Mech. & Aerospace Engineering**
- **Arts and Social Sciences**
- **Civil and Environmental Engineering**
- **Science (Physics, Chemistry, etc)**
- **Systems & Computer Engineering**
- **Electronics**
- **Mathematics and Statistics**
- **Electives**

*Notes: (a) 2.0 credits in Mechanical and Aerospace Engineering (MAAE, AERO or MECH) at the 4000-level or ELEC 4504 or ELEC 4602.*