# Electrical Engineering Program Overview

**First Year**
- **Winter:** ECOR 1054: Fundamentals of Engineering IV, MATH 1104: Linear Algebra for Eng. Students, ELEC 2501: Circuits and Signals, SWITCHING CIRCUITS (0.0 credit).

**Second Year**
- **Fall:** ECOR 1055: Introduction to Engineering Disciplines I (0.0 credit), MATH 1005: Differential Equations for Eng. Students, ELEC 2507: Electronics I, 2nd.

**Third Year**

**Fourth Year**
- **Fall:** ELEC 4907: Engineering Design Project, SYSC 4907: Design Project, Elective: Engineering Elective (note b).
- **Winter:** ELEC 4907: Engineering Design Project, SYSC 4907: Design Project, Elective: Engineering Elective (note b).

**Notes:**
- For students wanting to register in 2nd Year Status courses, they 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 SYSC 4907 / ELEC 4907 (Design Project).

**Electives:**
- Engineering Common Core
- Mechanical & Aerospace Engineering
- Civil and Environmental Engineering
- Systems & Computer Engineering
- Electronics
- Mathematics and Statistics
- Complementary Studies Electives

**Elective (note b):**
- 2.0 credits in Electronics (ELEC) or Systems and Computer (SYSC) at the 4000 level or ELEC 3508, MECH 4503, SYSC 3202 or SYSC 3200.
- 0.5 credits from Basic Science Elective list, ENVE, CIVE, IDES, AERO or MECH at the 2000 level of above, MECH 4503, SYSC 3000, SYSC 3200, SYSC 3300, or any ELEC or SYSC at the 4000- level.