**ELECTRICAL ENGINEERING**

**FIRST YEAR**
- **FALL**
  - MATH 1004: Calculus for Eng. Students (0.25 credit)
  - CHEM 1101: Chemistry for Eng. Students (0.0 credit)
  - PHYS 1004: Introductory Electromagnetism & Wave Motion (0.25 credit)
  - ECOR 1056: Engineering Disciplines I (0.25 credit)
- **WINTER**
  - MATH 1104: Linear Algebra for Eng. Students (0.25 credit)
  - ECOR 1042: Engineering Disciplines II (0.25 credit)

**SECOND YEAR**
- **FALL**
  - MATH 2004: Multivariable Calculus for Eng. Students (0.25 credit)
  - ECOR 1043: Engineering Disciplines I (0.25 credit)
  - ECOR 1044: Mechanics (0.25 credit)
  - ECOR 1055: Engineering Disciplines II (0.25 credit)
- **WINTER**
  - MATH 3705: Mathematical Methods I (0.25 credit)
  - ELEC 2601: Switching Circuits (0.25 credit)
  - ELEC 2602: Electric Machines and Power (0.25 credit)

**THIRD YEAR**
- **FALL**
  - ELEC 2501: Circuits & Signals (0.25 credit)
  - ELEC 2507: Electronics I (0.25 credit)
  - ELEC 2607: Switching Circuits (0.25 credit)
  - ELEC 2608: Physical Electronics (0.25 credit)
- **WINTER**
  - ELEC 3505: Electromagnetic Fields (0.25 credit)
  - ELEC 3509: Electronics II (0.25 credit)
  - ELEC 3907: Engineering Project (1.0 credit)

**FOURTH YEAR**
- **FALL**
  - ELEC 3500: Digital Electronics (0.25 credit)
  - ELEC 3909: Electromagnetic Waves (0.25 credit)
  - ELEC 3995: Engineering Elective (0.0 credit)
  - ECOR 4995: Engineering Portfolio (0.0 credit)
- **WINTER**
  - ELEC 4601: Microprocessors (0.25 credit)
  - ELEC 4907 / SYSC 4907: Engineering Design Project (note a) (1.0 credit)
  - SYSC 4505: Automatic Control Systems (0.25 credit)
  - SYSC 4907: Engineering Elective (note b)

Notes:
- Courses marked with asterisks (*) are zero credit courses.
- Courses marked with (note) are prerequisites.
- Courses marked with (a), (b), (c), or (d) are specific requirements.
- Courses marked with (w) are third year courses.
- Courses marked with (p) are professional practice courses.

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).

*2nd*, *3rd* or *4th* designation above a course defines 2nd, 3rd or 4th year status as a prerequisite.