The written English requirement is satisfied by completing three (3) credit hours from the list of approved Written English Courses for Engineering Students listed in the University Calendar (see Faculty of Engineering, Section 4.2).

Students must take either of:
- ENG 2030 Engineering Communication: Strategies for the Profession
- ENG 2040 Engineering Communication: Strategies, Practice, and Design

Technical Electives:
- Seven (7) technical electives are required to complete the program. Five (5) form the Communication Systems Focus Area. The two (2) remaining electives may be selected from either the Group A or Group B electives lists of the Electrical Engineering Standard Program.
- Technical electives may be taken at anytime, subject to prerequisites.

Additional required elective courses which may be completed in any term.
Electrical Engineering Focus Areas

Students wishing to pursue more focused studies in an Electrical Engineering subject/research area have the choice of doing so through a recognized Focus Area. Courses taken towards a Focus Area take the place of some or all of the Technical Electives required in the Electrical Engineering program.

**COMMUNICATION DEVICES FOCUS AREA**

**Requirements:**
To complete the Communication Devices Focus the three (3) prescribed courses must be taken. Two (2) of the five Communication Devices Technical Elective Courses must also be taken. To complete the program requirements two (2) additional courses must be selected from the elective courses listed in the Electrical Engineering Standard Program.

**PRESCRIBED COMMUNICATION DEVICES COURSES:** (All are required)
- ECE 4270 Antennas
- ECE 4290 Microwave Engineering
- ECE 4250 Digital Communications or ECE 4830 Signal Processing 2

**COMMUNICATION DEVICES ELECTIVE COURSES:** (2 required)
- ECE 4250 Digital Communications
- ECE 4280 Engineering Electromagnetics
- ECE 4430 Design of RF Devices and Wireless Systems
- ECE 4580 Optoelectronics
- ECE 4830 Signal Processing 2