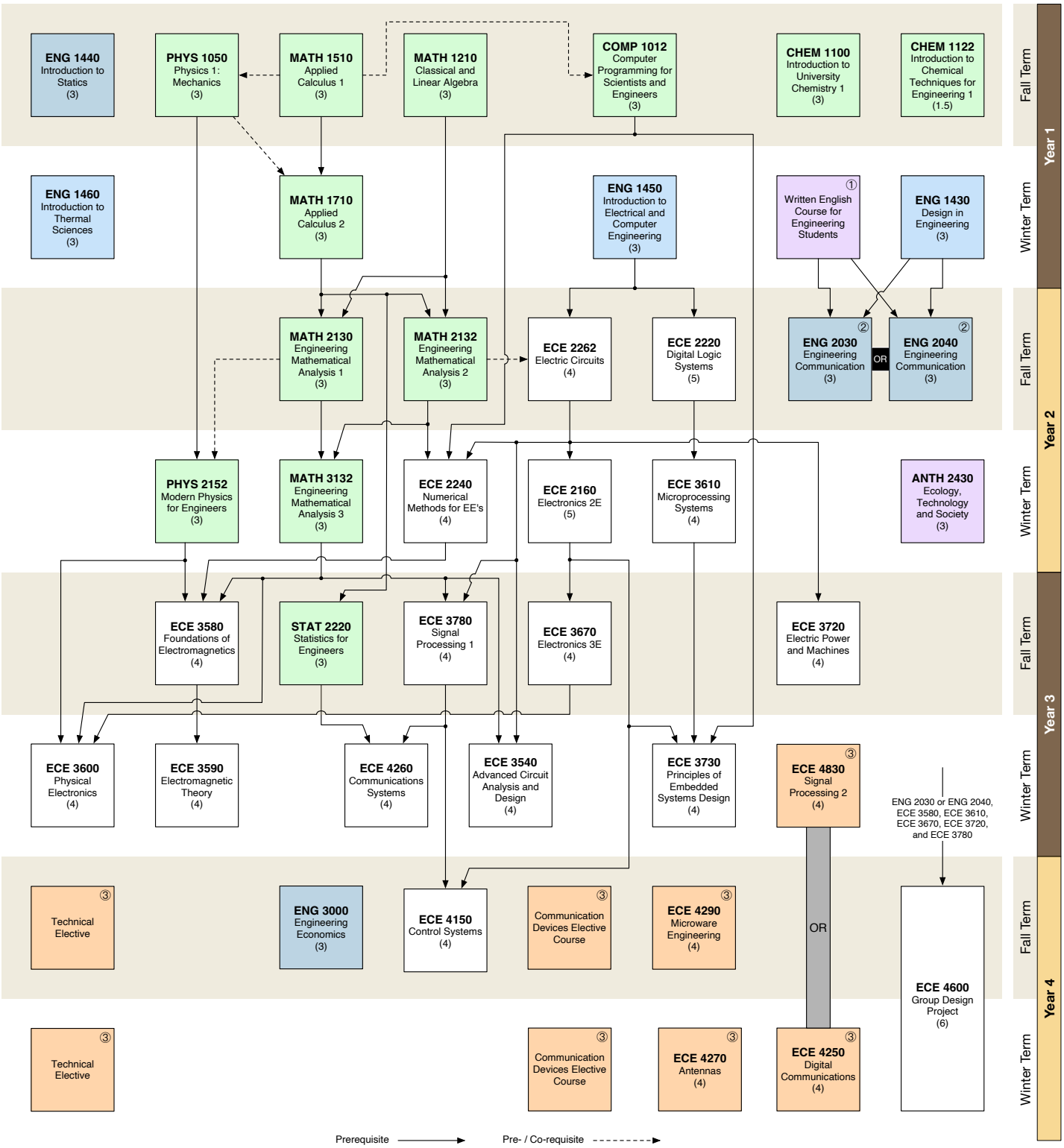
2024 – 2025 Electrical Engineering Course Flow Chart
Communication Devices Focus Area – Model 4 Year Program



① 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 *Academic Calendar* (see *Price Faculty of Engineering*, Faculty Academic Regulations).

② Students must take either of:
- *ENG 2030 Engineering Communication: Strategies for the Profession*
- *ENG 2040 Engineering Communication: Strategies, Practice, and Design*

③ 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.

This flow chart is intended as a guide, and only applies for the current academic year. It should not be used as a guide for subsequent years. Errors may be present in this document. Students should refer to information in the *Academic Calendar*.

Additional required elective courses which may be completed in any term.

- Complementary Studies Elective
- Complementary Studies Elective
- Natural Science Elective

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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