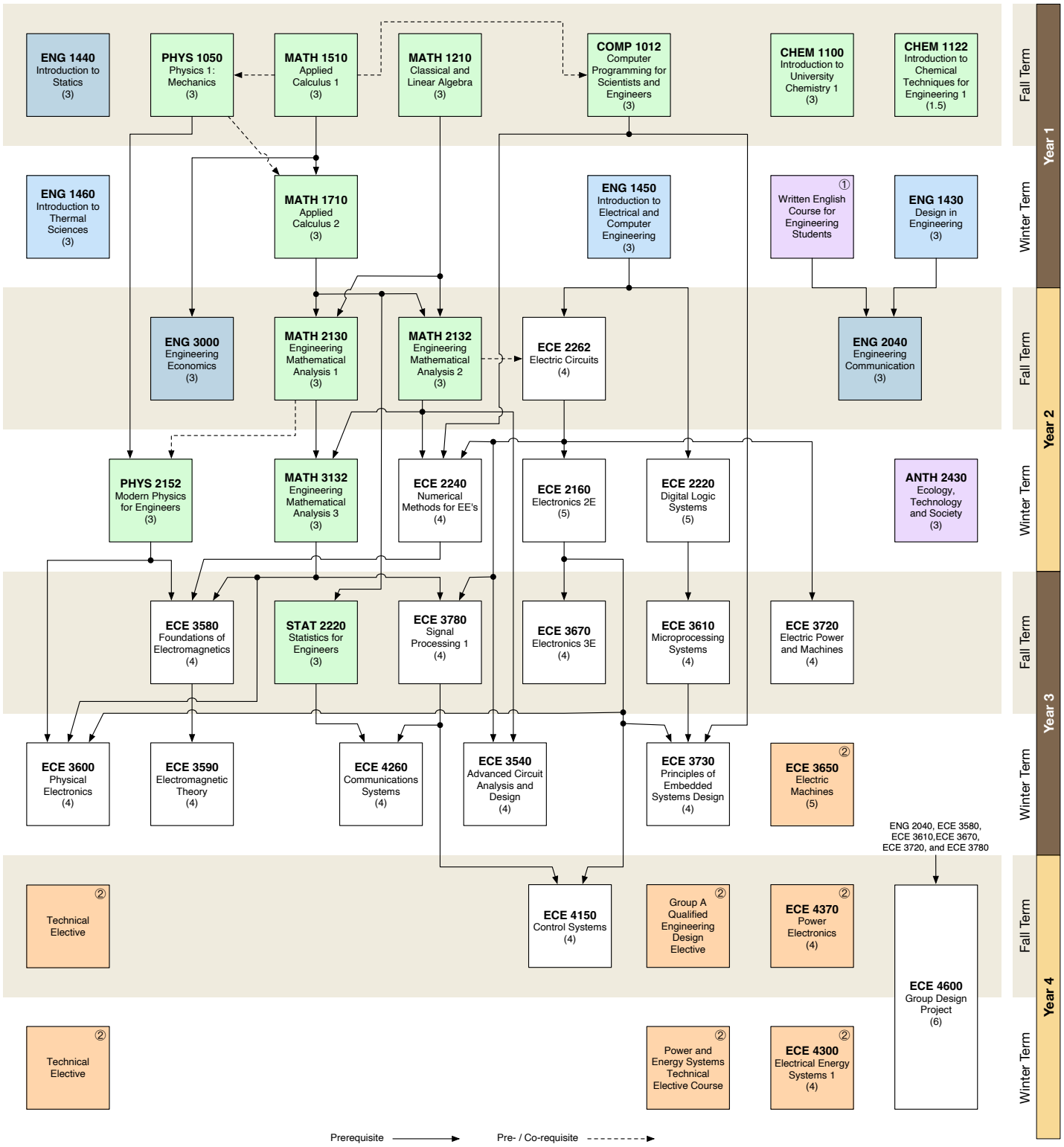
2026 – 2027 Electrical Engineering Course Flow Chart
Power and Energy Systems Focus Area – Model 4 Year Program



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 Technical Electives:
- Seven (7) technical electives are required to complete the program. Five (5) form the *Power and Energy 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.

Complementary Studies Elective	Complementary Studies Elective	Natural Science Elective

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*.

4 March 2026, v.1

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.

Power and Energy Systems Focus Area

Requirements:

To complete the Power and Energy Systems Focus the four (4) prescribed courses must be taken. One (1) of the three Power and Energy Systems 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 POWER AND ENERGY SYSTEMS COURSES: (All are required)

ECE 3650 Electric Machines*
ECE 4300 Electrical Energy Systems 1
ECE 4370 Power Electronics
One (1) additional course from the list of *Group A Qualified Design Elective Courses* found in the Electrical Engineering Standard Program.

POWER AND ENERGY SYSTEMS TECHNICAL ELECTIVE COURSES: (1 required)

ECE 4310 Electrical Energy Systems 2
ECE 4360 High Voltage Engineering

* **NOTE:** *ECE 3650 Electric Machines* is a prerequisite for other courses in this Focus Area. It is recommended that students complete the course *prior to their final year*.