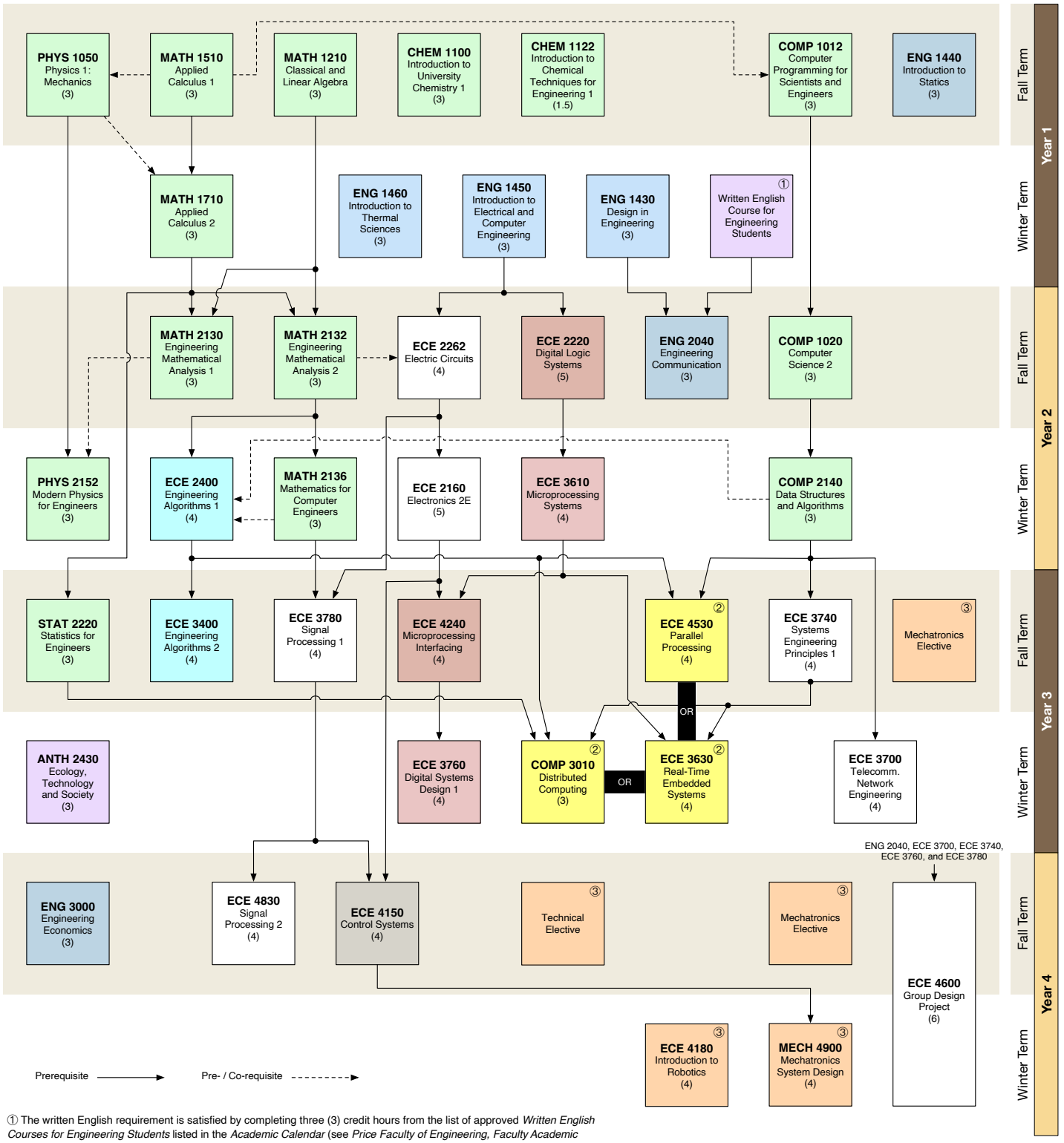
2026 – 2027 Computer Engineering Course Flow Chart
Mechatronics Focus Area – Model 4 Year Program



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 one of:
- *ECE 3630 Real-time Embedded Systems*
- *ECE 4530 Parallel Processing*
- *COMP 3010 Distributed Computing*

③ Technical Electives:
- Five (5) technical electives are required to complete the program. Four (4) form part of the Focus Area.
- At most two (2) of these electives may be selected from the list of approved Electrical Engineering courses.
- 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 | 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*.

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Computer Engineering Focus Areas

Students wishing to pursue more focused studies in a Computer 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 of the Technical Electives required in the Computer Engineering program.

Mechatronics Focus Area

Requirements:

To complete the Mechatronics Focus the prescribed courses must be taken. Two (2) of the five Mechatronics Technical Elective courses must also be taken. To complete the program requirements, one (1) additional courses must be selected from the elective courses listed in the Computer Engineering Standard Program.

PRESCRIBED MECHATRONICS COURSES: (All are required)

ECE 4150 Control Systems
ECE 4180 Introduction to Robotics
MECH 4900 Mechatronics System Design

MECHATRONICS TECHNICAL ELECTIVE COURSES: (2 required)

ECE 3720 Electric Power and Machines [1]
ECE 4160 Control Engineering [1]
ECE 4370 Power Electronics [1]
ECE 4440 Computer Vision
ENG 4110 Operational Excellence

1. *Computer Engineering students are limited to a maximum of two (2) Electrical Engineering elective courses in their program.*