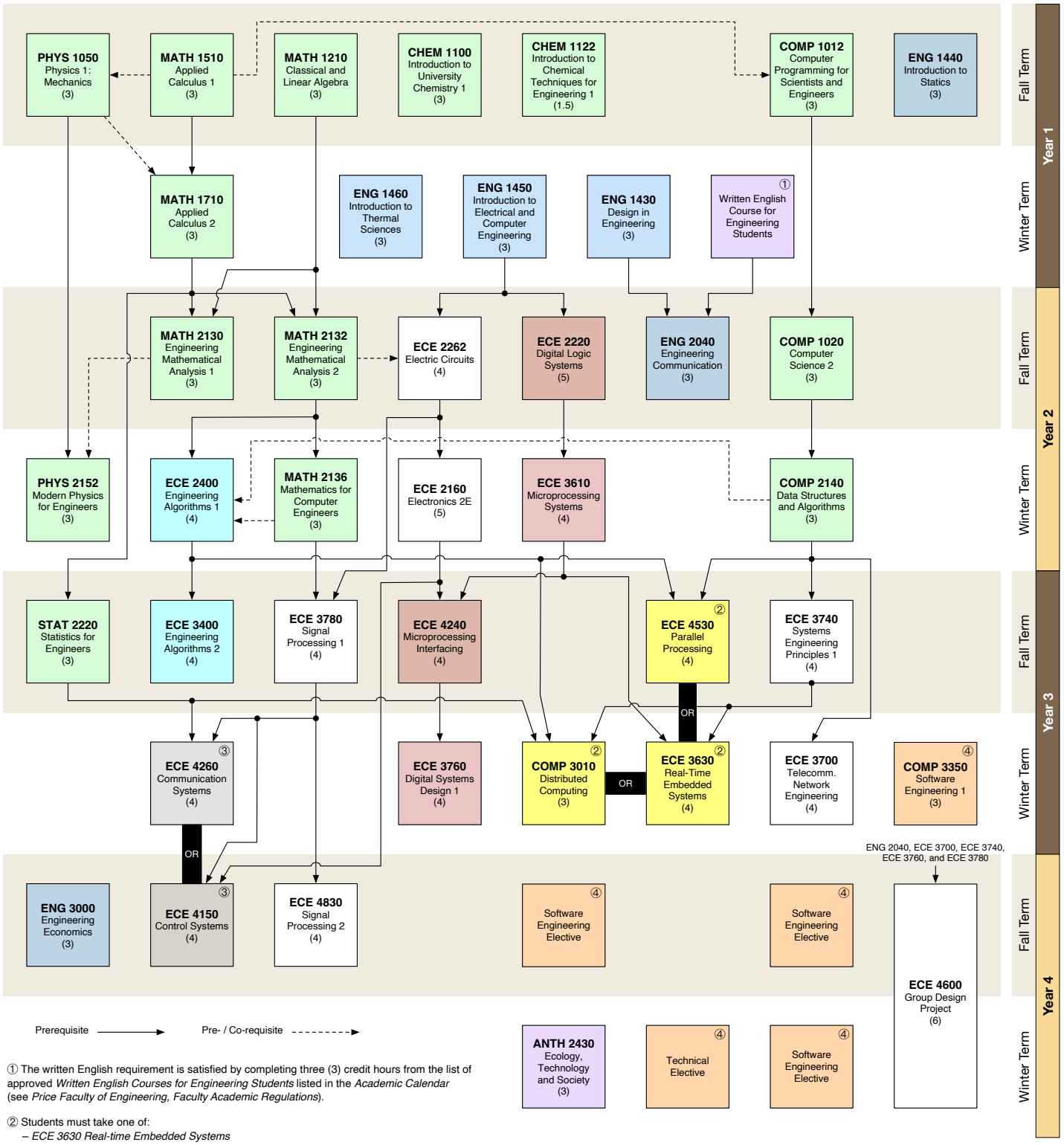
2026 – 2027 Computer Engineering Course Flow Chart
Software Engineering Focus Area – Model 4 Year Program



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 Students must take either of:
- *ECE 4150 Control Systems*
- *ECE 4260 Communication Systems*

④ Technical Electives:
- Five (5) technical electives are required to complete the program.
- 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.

Software Engineering Focus Area

Requirements:

To complete the Software Engineering Focus the prescribed course must be taken. Three (3) of the eight Software Engineering 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 Software Engineering Course (required)

COMP 3350 Software Engineering 1

Software Engineering Technical Elective Courses (3 required)

ECE 3750 Systems Engineering Principles 2
ECE 4530 Parallel Processing
COMP 3010 Distributed Computing
COMP 3020 Human-Computer Interaction 1
COMP 3380 Databases: Concepts and Usage
COMP 4350 Software Engineering 2
COMP 4580 Computer Security
COMP 4710 Introduction to Data Mining