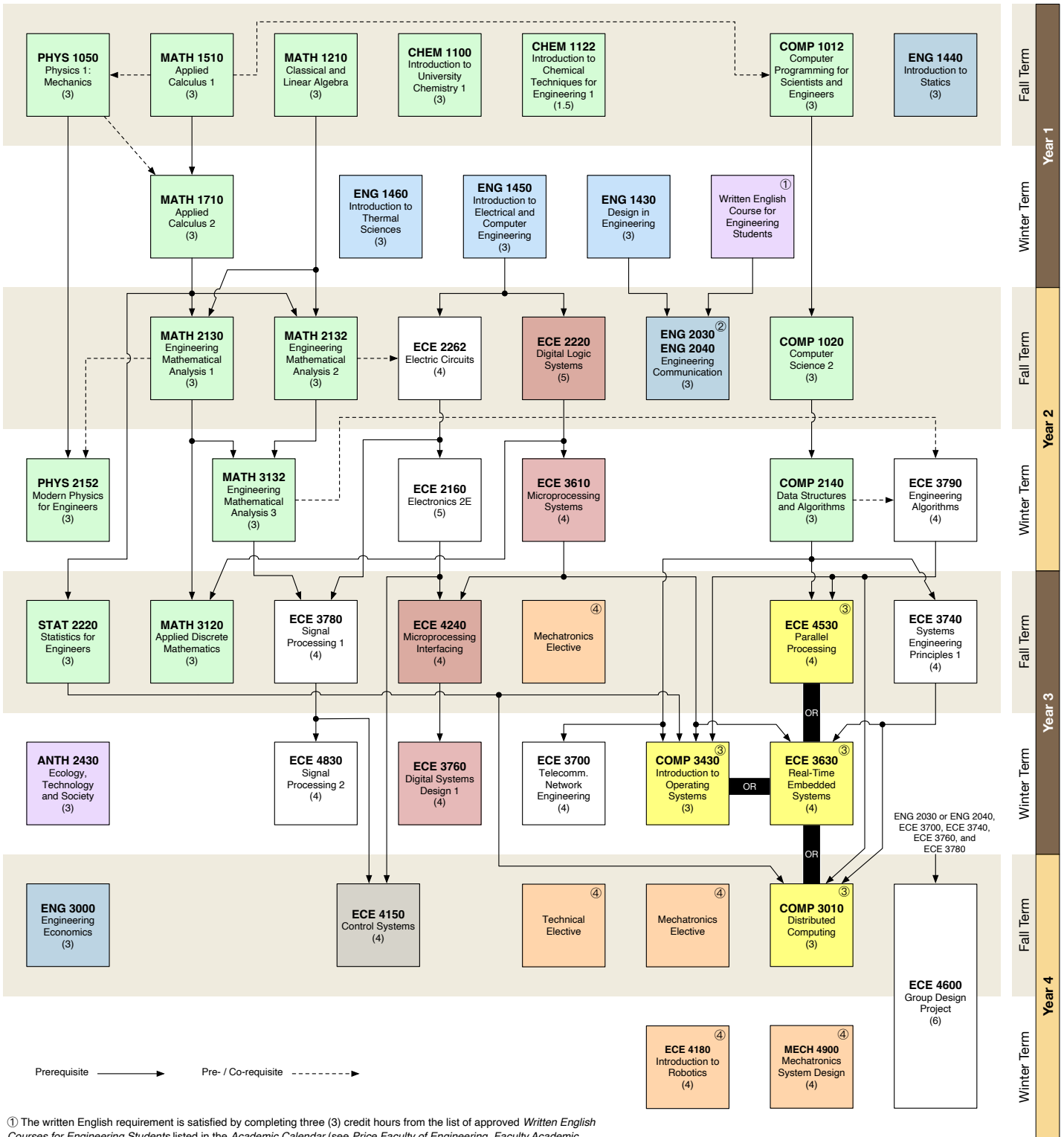


2023 – 2024 Computer Engineering Course Flow Chart Mechatronics Focus Area – Model 4 Year Program



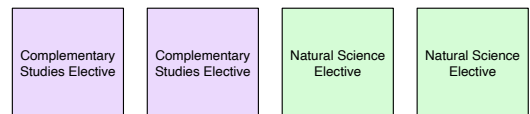
① The written English requirement is satisfied by completing three (3) credit hours from the list of approved *Written English Courses for Engineering Students* listed in the *Academic Calendar* (see *Price Faculty of Engineering, Faculty Academic Regulations*).

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

③ Students must take one of:
 – ECE 3630 *Real-time Embedded Systems* – COMP 3010 *Distributed Computing*
 – ECE 4530 *Parallel Processing* – COMP 3430 *Operating Systems*

④ 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.



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.*