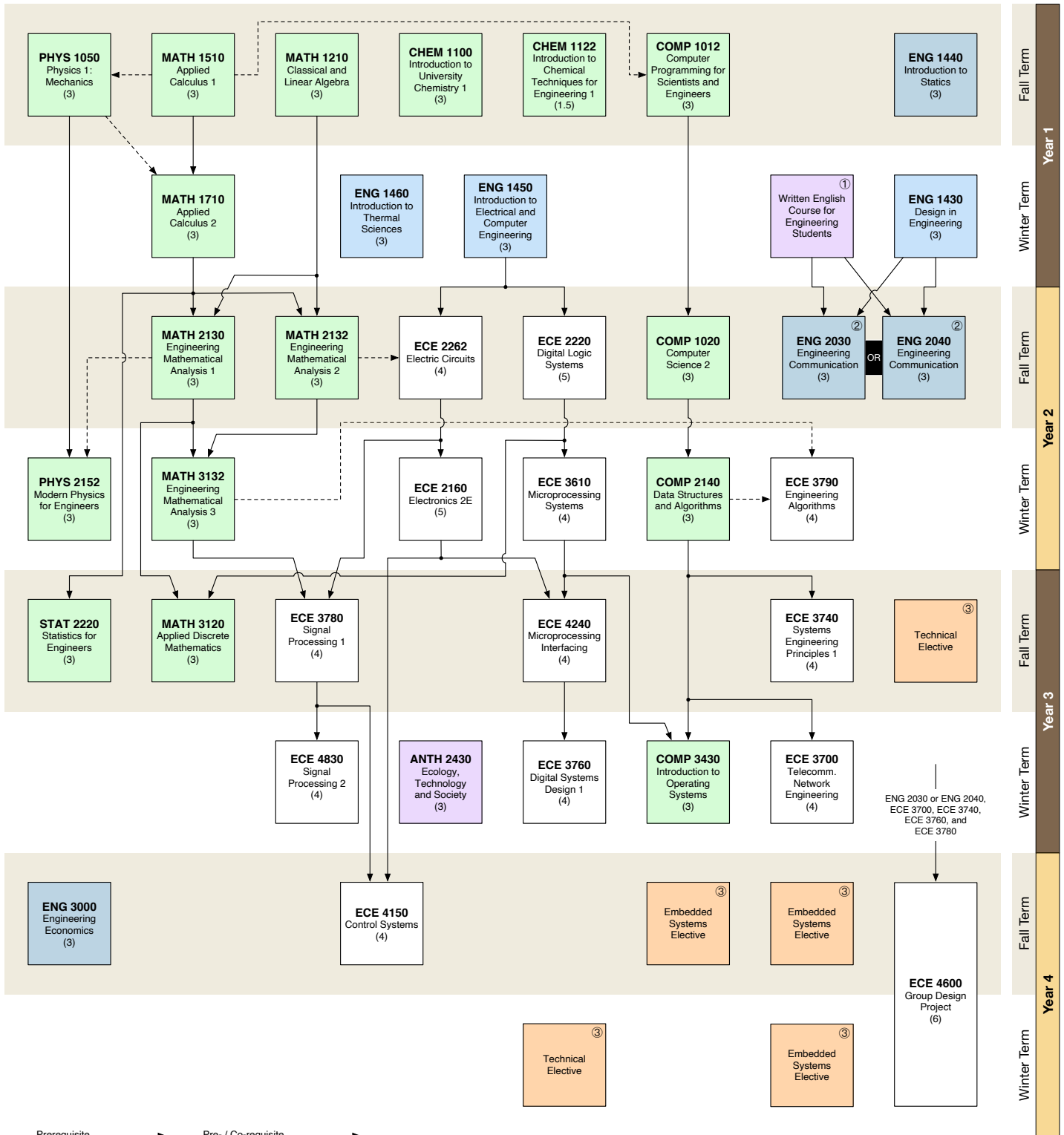


2021 – 2022 Computer Engineering Course Flow Chart Embedded Systems Focus Area – Model 4 Year Program



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.

EMBEDDED SYSTEMS FOCUS AREA

Requirements:

To complete the Embedded Systems Focus the prescribed course must be taken. Three (3) of the nine Embedded 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 Computer Engineering Standard Program.

Prescribed Embedded Systems Course (required)

ECE 4150 Control Systems

Embedded Systems Technical Elective Courses (3 required)

ECE 3770 Digital Systems Design 2

ECE 4180 Introduction to Robotics

ECE 4440 Computer Vision

ECE 4560 Modern Computing Systems

ECE 4610 Biomedical Instrumentation and Signal Processing

ECE 4740 Digital System Implementation

COMP 3020 Human-Computer Interaction 1

COMP 4580 Computer Security