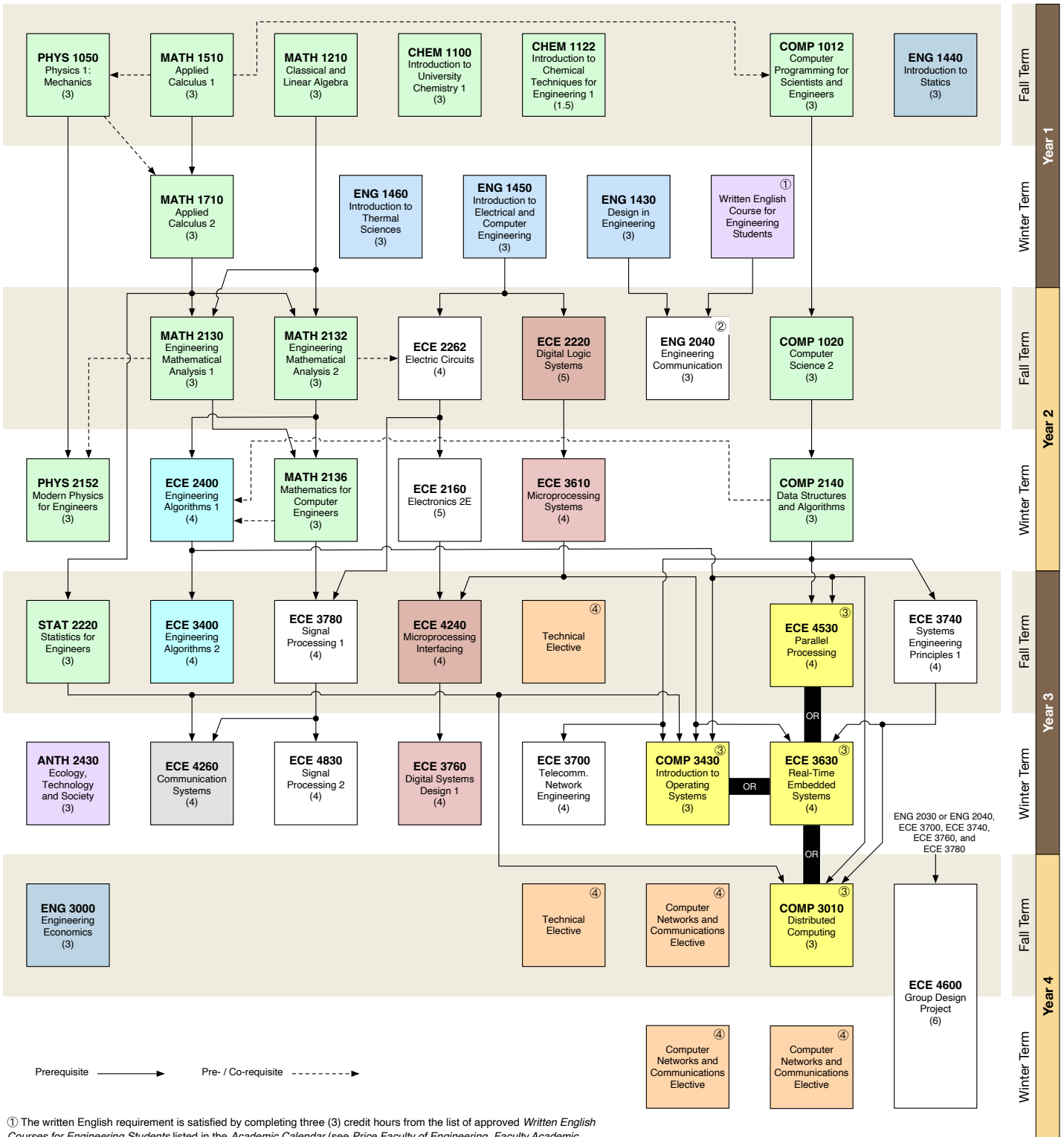


# 2024 – 2025 Computer Engineering Course Flow Chart

## Computer Networks and Communications Focus Area – Model 4 Year Program



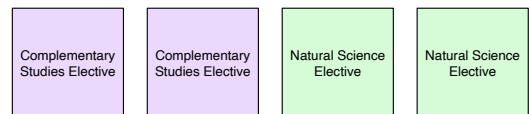
① The written English requirement is satisfied by completing three (3) credit hours from the list of approved *Written English Courses for Engineering Students* listed in the *Academic Calendar* (see *Price Faculty of Engineering, Faculty Academic Regulations*).

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. Three (3) 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.

### **COMPUTER NETWORKS AND COMMUNICATIONS FOCUS AREA**

#### **Requirements:**

To complete the Computer Networks and Communications Focus the prescribed course must be taken. Three (3) of the seven Computer Networks and Communications 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 Computer Networks and Communications Course** (required)

**ECE 4260** Communication Systems

#### **Computer Networks and Communications Technical Elective Courses** (3 required)

**ECE 4250** Digital Communication

**ECE 4520** Simulation and Modelling

**ECE 4540** Wireless Networks

**ECE 4870** Computer Communication Networks

**COMP 3010** Distributed Computing

**COMP 4580** Computer Security