2023 – 2024 Computer Engineering Course Flow Chart
Model 5 Year Program

- **Year 1**
  - **Winter Term**
    - MATH 1050: Applied Calculus 1 (3)
    - MATH 1210: Linear Algebra (3)
  - **Fall Term**
    - CHEM 1100: Introduction to University Chemistry 1 (3)
    - CHEM 1120: Introduction to Chemical Techniques for Engineering 1 (1.5)

- **Year 2**
  - **Winter Term**
    - MATH 1710: Applied Calculus 2 (3)
    - ENG 1450: Introduction to Electrical and Computer Engineering (3)
  - **Fall Term**
    - ECE 2262: Electric Circuits (4)
    - ECE 2220: Digital Logic Systems (5)

- **Year 3**
  - **Winter Term**
    - MATH 2130: Engineering Mathematical Analysis 1 (3)
    - MATH 2132: Engineering Mathematical Analysis 2 (3)
  - **Fall Term**
    - ECE 2160: Electronics 2E (3)
    - ECE 2220: Microprocessing Systems (4)

- **Year 4**
  - **Winter Term**
    - ANTH 2430: Ecology, Technology and Society (3)
    - MATH 2132: Engineering Mathematical Analysis 2 (3)
  - **Fall Term**
    - ECE 2260: Digital Systems Design 1 (4)
    - ECE 2220: Microprocessing Interfacing (4)

- **Year 5**
  - **Winter Term**
    - PHYS 2152: Modern Physics for Engineers (3)
    - STAT 2220: Statistics for Engineers (3)
  - **Fall Term**
    - ECE 3740: Systems Engineering Principles 1 (4)
    - ECE 3700: Telecomm. Network Engineering (4)

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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
   - COMP 3430: Operating Systems

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

5. 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
- Natural Science Elective
- Written English Course for Engineering Students

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.