2022 – 2023 Electrical Engineering Course Flow Chart
Model 5 Year Program

- PHYS 1050 Physics I: Mechanics (3)
- MATH 1510 Applied Calculus 1 (3)
- MATH 1210 Classical and Linear Algebra (3)
- CHEM 1100 Introduction to University Chemistry 1 (3)
- CHEM 1122 Introduction to Chemical Techniques for Engineering 1 (1.5)
- Written English Course for Engineering Students

- MATH 1710 Applied Calculus 2 (3)
- ENG 1450 Introduction to Electrical and Computer Engineering (3)
- ENG 1430 Design in Engineering (3)
- ENG 1440 Introduction to Statics (3)
- COMP 1012 Computer Programming for Scientists and Engineers (3)

- MATH 2130 Engineering Mathematical Analysis 1 (3)
- MATH 2132 Engineering Mathematical Analysis 2 (3)
- ECE 2262 Electric Circuits (4)
- ECE 2220 Digital Logic Systems (5)
- ECE 2240 Numerical Methods for EE's (4)

- STAT 2220 Statistics for Engineers (3)
- ECE 3580 Engineering Electromagnetic Theory (3)
- ECE 3780 Signal Processing 1 (4)
- ECE 3670 Electronics 3E (4)
- ECE 3610 Microprocessing Systems (4)

- ECE 3600 Physical Electronics (4)
- ECE 4260 Communications Systems (4)
- ECE 3610 Microprocessing Systems (4)
- ECE 4150 Control Systems (4)
- ECE 3720 Electric Power and Machines (4)

- ECE 3590 Electromagnetic Theory (4)
- ECE 3540 Advanced Circuit Analysis and Design (4)
- ECE 3730 Principles of Embedded Systems Design (4)
- ECE 4150 Control Systems (4)
- ECE 3720 Electric Power and Machines (4)

- ECE 3730 Principles of Embedded Systems Design (4)
- ECE 4260 Communications Systems (4)
- ECE 3540 Advanced Circuit Analysis and Design (4)
- ECE 3590 Electromagnetic Theory (4)
- ECE 3720 Electric Power and Machines (4)

- ECE 4600 Group Design Project (6)
- ENG 2030 Engineering Communication: Strategies for the Profession (3)
- ENG 2040 Engineering Communication: Strategies, Practice, and Design (3)
- ANTH 2430 Ecology, Technology and Society (3)
- MATH 2130 Engineering Mathematical Analysis 2 (3)

- PHYS 2152 Modern Physics for Engineers (3)
- MATH 3132 Engineering Mathematical Analysis 3 (3)
- ECE 2160 Electronics 2E (5)
- ECE 2240 Numerical Methods for EE's (4)
- ECE 2220 Digital Logic Systems (5)

- ECE 2220 Digital Logic Systems (5)
- ECE 2240 Numerical Methods for EE's (4)
- ECE 2262 Electric Circuits (4)
- ECE 2160 Electronics 2E (5)
- PHYS 2152 Modern Physics for Engineers (3)

- ECE 3600 Physical Electronics (4)
- ECE 4260 Communications Systems (4)
- ECE 3780 Signal Processing 1 (4)
- ECE 3670 Electronics 3E (4)
- ECE 3580 Engineering Electromagnetic Theory (3)

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- ECE 4150 Control Systems (4)
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- ENG 2040 Engineering Communication: Strategies, Practice, and Design (3)
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- MATH 2130 Engineering Mathematical Analysis 2 (3)

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 University 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 Technical Electives:
– Seven (7) technical electives are required to complete the program. They are divided into Group A and Group B lists.
– At least three (3) of these electives must be selected from the Group A technical electives list.
– Technical electives may be taken at anytime, subject to prerequisites.

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.