2023 - 2024 Electrical Engineering Course Flow Chart **Model 5 Year Program**

PHYS 1050 Physics 1: Mechanics (3)	MATH 1510 Applied Calculus 1 (3)	MATH 1210 Classical and Linear Algebra (3)	CHEM 1100 Introduction to University Chemistry 1	CHEM 1122 Introduction to Chemical Techniques for Engineering 1 (1.5)	Written English Course for Engineering Students			Fall Term	Year 1
		MATH 1710 Applied Calculus 2 (3)	ENG 1450 Introduction to Electrical and Computer Engineering	ENG 1430 Design in Engineering (3)	ENG 1440 Introduction to Statics (3)	COMP 1012 Computer Programming for Scientists and Engineers (3)		Winter Term	Ye
	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)				Fall Term	ar 2
	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)			Winter Term	Year
STAT 2220 Statistics for Engineers (3)	ECE 3580 Foundations of Electromagnetics (4)	ECE 3780 Signal Processing 1 (4)	ECE 3670 Electronics 3E (4)					Fall Term	Year 3
ECE 3600 Physical Electronics (4)		ECE 4260 Communications Systems (4)		ECE 3610 Microprocessing Systems (4)			ANTH 2430 Ecology, Technology and Society (3)	Winter Term	Yes
		ECE 4150 Control Systems (4)	ECE 3720 Electric Power and Machines (4)		ENG 2030 Engineering Communication (3)	ENG 2040 Engineering Communication (3)	ENG 3000 Engineering Economics (3)	Fall Term	Year 4
	ECE 3590 Electromagnetic Theory (4)		ECE 3540 Advanced Circuit Analysis and Design (4)	ECE 3730 Principles of Embedded Systems Design (4)		Technical Elective	ENG 1460 Introduction to Thermal Sciences (3)	Winter Term	Ye
				Technical Elective	Technical Elective	Technical Elective	ECE 4600 Group Design	Fall Term	Year 5
				Technical Elective	Technical Elective	Technical Elective	Project (6)	Winter Tem	Yes

- 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.

Additional required elective courses which may be completed in any term.



Complementary Studies Elective

Elective