2026 – 2027 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 (3)	**CHEM 1122** Introduction to Chemical Techniques for Engineering 1 (1.5)	① Written English Course for Engineering Students			Fall Term — Year 1
		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)		Winter Term — Year 1
	MATH 2130 Engineering Mathematical Analysis 1 (3)	**MATH 2132** Engineering Mathematical Analysis 2 (3)	**ECE 2262** Electric Circuits (4)			**ENG 2040** Engineering Communication (3)		Fall Term — Year 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 2
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 2220** Digital Logic Systems (5)			**ANTH 2430** Ecology, Technology and Society (3)	Winter Term — Year 3
		ECE 4150 Control Systems (4)	**ECE 3720** Electric Power and Machines (4)	**ECE 3610** Microprocessing Systems (4)			**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)		② Technical Elective	**ENG 1460** Introduction to Thermal Sciences (3)	Winter Term — Year 4
				② Technical Elective	② Technical Elective	② Technical Elective	**ECE 4600** Group Design Project (6)	Fall Term — Year 5
				② Technical Elective	② Technical Elective	② Technical Elective		Winter Term — Year 5

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 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*.

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

Complementary Studies Elective	Complementary Studies Elective	Natural Science Elective

18 February 2026 v.1