Electrical Engineering (Option A)
September 2020 (for students who entered first year in September 2018)

Year 2
Term A
AM 2270A Applied Mathematics for Engineering II
CS 1027A Computer Science Fundamentals II
ECE 2205A Electric Circuits I
ECE 2277A Digital Logic Systems
ECE 2240A Electrical Laboratory
Writ 2130F Building Better (Communication) Bridges: Rhetoric & Professional Communication for Engineers

Term B
ECE 2231B Introduction to Electronics
ECE 2233B Circuits and Systems
ECE 2236B Magnetic Circuits and Transmission Lines
ECE 2242B Principles of Design in Electrical Engineering
MME 2234B Heat Transfer and Dynamics

NOTES:
Non-technical electives:
Please choose 1.0 credits (one 1.0-credit or two 0.5-credit courses) from the 1000 level and one 0.5-credit course from the 2000 (or higher) level.

Technical Electives
Some technical electives may not be offered in a given academic year. Consult the Department for accurate listing.

Year 3
Term A
AM 3415A Applied Math for Electrical Engineering
ECE 3330A Control Systems
ECE 3332A Electric Machines
ECE 3337A Electronic Circuits
SS 2141A Applied Probability and Statistics for Engineers
One 0.5-credit non-technical elective from approved list (either term)

Term B
ECE 3331B Introduction to Signal Processing
ECE 3333B Electric Power Systems I
ECE 3336B Electromagnetic Theory
ECE 3370B Communication Electronics I
ECE 3375B Microprocessors and Microcomputers
ECE 3399B Principles and Practices of Design of Electronic Systems

Year 4
Term A
ECE 4416 Electrical/Computer Engineering Project
ECE 4429A Advanced Digital Signal Processing
ECE 4437A Communications Theory
One 0.5-credit non-technical elective from approved list
Two 0.5-credit technical electives

Term B
ECE 4416 Electrical/Computer Engineering Project
ES 4498G Engineering Ethics, Sustainable Development & the Law
One 0.5-credit non-technical elective from approved list
Three 0.5-credit technical electives