

# Electrical Engineering

## ECE Technical Electives 2025/26

**Electrical Eng. Program: 7-8 units, level 4**

**Electrical Eng. & Society: 3-4 units, level 5**

**Note: there are no “ECE Technical Electives” for the Management program.**

Revised: Sept 16, 2025

Course	Description	Term	Note
CompEng 3DQ5	Digital Systems Design	1	May require permission
CompEng 4DK4	Computer Networks	1	
CompEng 4DM4	Computer Architecture	1	May require permission
CompEng 4DN4	Advanced Internet Communications	2	
CompEng 4DS4	Embedded Systems	2	
CompEng 4DV4	Very Large-Scale Integration System Design	2	
CompEng 4SL4	Fundamentals of Machine Learning	1	
CompEng 4SP4	High-Performance Programming	1	
CompEng 4TL4	Digital Signal Processing	1	
CompEng 4TN4	Image Processing	2	
CompEng 4TS3	Introduction to Digital Sequences	1	
ElecEng 4BB3	Cellular Bioelectricity	2	
ElecEng 4BF4	Advanced Medical Imaging	2	
ElecEng 4CL4	Control System Design	1	
ElecEng 4EK4	Microelectronics	1	
ElecEng 4EM4	Photonic Devices and Systems Engineering	2	
Engineering 4EX3	Experiential Engineering Design	1 & 2	
ElecEng 4FJ4	Devices and Antennas for Wireless Systems	1	
ElecEng 4OJ4	Research Project	1 & 2	
ElecEng 4OH4	Advanced Research Project	2	
ElecEng 4PK4	Power Electronics	1	
ElecEng 4PM4	Electrical Power Systems	2	
ElecEng 4PN4	Electric Motor Drives	2	
ElecEng 4PP4	Smart and Micro Grids	2	

ElecEng 4PR4	Net-Zero Emission Power Systems	2	
ElecEng 4QT3	Advanced Quantum Theory and Technology	2	
ElecEng 4TK4	Digital Communications Systems	1	