

# Electrical & Biomedical Engineering (B.Eng)

## ECE Technical Electives 2020/21

Revised: May 25, 2020

<b>Course</b>	<b>Description</b>	<b>Term</b>	<b>Note</b>
CompEng 3DQ5	Digital Systems Design	1	
CompEng 3SK3	Computer-Aided Engineering	2	
CompEng 4DS4	Embedded Systems	2	
CompEng 4EK4	Microelectronics	1	
CompEng 4TN4	Image Processing	2	
ElecEng 3FK4	Advanced Electromagnetics	1	
ElecEng 3PI4	Energy Conversion	2	
ElecEng 3TQ3	Advanced Probability and Random Processes	1	
ElecEng 4BE4	Medical Robotics		Not offered in 2020/21
ElecEng 4CL4	Control System Design	1	
ElecEng 4EM4	Photonic Devices And Systems	2	
Engineering 4EX3	Experiential Engineering Design	1 & 2	
ElecEng 4OJ4	Research Project	1 & 2	
ElecEng 4OH4	Advanced Research Project	1 & 2	
ElecEng 4PK4	Power Electronics	2	
ElecEng 4PN4	Electric Motor Drives	2	
ElecEng 4PP4	Smart and Micro Grids	2	
ElecEng 4TK4	Digital Communications	1	
ElecEng 4TM4	Advanced Digital Communications	2	
SfwrEng 3K04	Software Development	Refer to Calendar	Permission may be required
MedPhys 4B03	Radioactivity and Radiation Interactions	Refer to Calendar	Permission may be required
MedPhys 4T03	Clinical Applications of Physics in Medicine	Refer to Calendar	Permission may be required
ChemEng 4T03	Applications of Chemical Engineering in Medicine	Refer to Calendar	Permission may be required
EngPhys 3O04	Introduction to Fluid Mechanics and Heat Transfer	Refer to Calendar	Permission may be required

MedPhys 4IO3	Introduction to Biophotonics	Refer to Calendar	Permission may be required
MechEng 3O04	Fluid Mechanics	Refer to Calendar	Permission may be required
MechEng 4BB3	Biomechanics	Refer to Calendar	Permission may be required
MechEng 4CC3	Experimental and Computational Biomechanics	Refer to Calendar	Permission may be required
CompEng 4SL3	Fundamentals of Machine Learning	1	