

“ECE Technical” Electives for 2017/2018 Listed by Program

(Note: there are no “ECE Technical Electives” for the Management or Society programs)

Last revised on June 13, 2017

Electrical Engineering

Course	Description	Term	Note
CompEng 3DQ5	Digital Systems Design	1	
CompEng 3DR4	Computer Organization	2	
CompEng 4DK4	Computer Communication Networks	1	
CompEng 4DM4	Computer Architecture	1	
CompEng 4DN4	Advanced Internet Communications	2	
CompEng 4DS4	Embedded Systems	2	
CompEng 4EK4	Microelectronics	1	
CompEng 4TL4	Digital Signal Processing	1	
CompEng 4TN4	Image Processing	2	
ElecEng 4BD4	Biomedical Instrumentation	1	
ElecEng 4BE4	Medical Robotics		Not offered in 2017/18
ElecEng 4CL4	Control System Design	1	
ElecEng 4EM4	Photonic Devices And Systems	2	
ElecEng 4EX3	Experiential Engineering Design	1 & 2	
ElecEng 4OJ4	Research Project	1	
ElecEng 4OK4	Research Project	2	
ElecEng 4OH4	Advanced Research Project	2	
ElecEng 4PK4	Power Electronics	2	
ElecEng 4PL4	Energy Systems And Management	1	
ElecEng 4PM4	Electrical Power Systems	2	
ElecEng 4TK4	Digital Communications Systems	1	
ElecEng 4TM4	Advanced Digital Communications	2	

Computer Engineering

Course	Description	Term	Note
CompEng 4EK4	Microelectronics	1	
CompEng 4OJ4	Research Project	1	
CompEng 4OK4	Research Project	2	
CompEng 4OH4	Advanced Research Project	2	
CompEng 4TL4	Digital Signal Processing	1	
CompEng 4TN4	Image Processing	2	
ElecEng 3FK4	Advanced Electromagnetics	1	
ElecEng 3PI4	Energy Conversion	2	
ElecEng 4BD4	Biomedical Instrumentation	1	
ElecEng 4BE4	Medical Robotics		Not offered in 2017/18
ElecEng 4CL4	Control System Design	1	
ElecEng 4EM4	Photonic Devices And Systems	2	
ElecEng 4EX3	Experiential Engineering Design	1 & 2	
ElecEng 4PK4	Power Electronics	2	
ElecEng 4PL4	Energy Systems And Management	1	
ElecEng 4PM4	Electrical Power Systems	2	
ElecEng 4TK4	Digital Communication Systems	1	
ElecEng 4TM4	Advanced Digital Communication Systems	2	

Electrical & Biomedical Engineering

Course	Description	Term	Note
CompEng 3DQ5	Digital Systems Design	1	
CompEng 3DR4	Computer Organization	2	
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 2017/18
ElecEng 4CL4	Control System Design	1	
ElecEng 4EM4	Photonic Devices And Systems	2	
ElecEng 4EX3	Experiential Engineering Design	1 & 2	
ElecEng 4OJ4	Research Project	1	
ElecEng 4OK4	Research Project	2	
ElecEng 4OH4	Advanced Research Project	2	
ElecEng 4PK4	Power Electronics	2	
ElecEng 4PL4	Energy Systems and Management	1	
ElecEng 4PM4	Electrical Power Systems	2	
ElecEng 4TK4	Digital Communications	1	
ElecEng 4TM4	Advanced Digital Communications	2	
SFWR ENG 3K04	Software Development	Refer to Calendar	Permission of instructor/department may be required
MED PHYS 3R03	Computational Medical Physics		Not offered in 2017/18
MED PHYS 4B03	Radioactivity And Radiation Interactions	Refer to Calendar	Permission of instructor/department may be required
MED PHYS 4T03	Clinical Applications Of Physics In Medicine	Refer to Calendar	Permission of instructor/department may be required
CHEM ENG 4T03	Applications Of Chemical Engineering In Medicine	Refer to Calendar	Permission of instructor/department may be required
ENG PHYS 3E03	Fundamentals Of Physical Optics	Refer to Calendar	Permission of instructor/department may be required
ENG PHYS 3O04	Introduction To Fluid Mechanics And Heat Transfer	Refer to Calendar	Permission of instructor/department may be required
ENG PHYS 4IO3	Introduction To Biophotonics	Refer to Calendar	Permission of instructor/department may be required
MECH ENG 3O04	Fluid Mechanics	Refer to Calendar	Permission of instructor/department may be required
MECH ENG 4BB3	Biomechanics	Refer to Calendar	Permission of instructor/department may be required
MECH ENG 4CC3	Experimental And Computational Biomechanics	Refer to Calendar	Permission of instructor/department may be required