

Electrical Computer Engineering
preferred skills for courses Winter 2021

Subject Area	Catalog N	SECTION	Academic Career	Description	Instructor	Preferred skills and or Qualifications
ELEC	2170	1	Undergrad	Digital Logic Design I	Muscedere, R.	
ELEC	2200	1	Undergrad	Circuit Analysis	Chen, C.	PSPICE Simulation tools
ELEC	2240	1	Undergrad	Signals and Systems	Balasingam, B.	
ELEC	2260	1	Undergrad	Electronics I	Mirhassani, M.	
ELEC	2280	1	Undergrad	Electromagnetic Fields	Rashidzadeh, R.	
MECH	3221	60	Undergrad-BTECH	Control Theory	Ahmadi, A.	
MeECH	3224	60	Undergrad-BTECH	Engineering Measurements	Ahmadi, A.	
ELEC	4190	1	Undergrad	Digital Communications	Shahrrava, B.	
ELEC	4310	1	Undergrad	Control Systems II	Chen, X.	
ELEC	4360	1	Undergrad	Computer Communications	Wu, H.	knowledge of Python programming
ELEC	4370	1	Undergrad	Intelligent Computing	Kwan, H.K.	Have completed 8330 or 4370 with a grade of A- or above
ELEC	4380	1	Undergrad	Coding and Information Theory	Zhang, N.	
ELEC	4430	1	Undergrad	Embedded System Design	Khalid, M.	
ELEC	4440	1	Undergrad	Analog Integrated Circuit Desn	Chen, C.	MAGIC software tools
ELEC	4450	1	Undergrad	Power Electronics	Kar, N.	
ELEC	4490	1	Undergrad	Sensor and Vision Systems	Wu, J.	
ELEC	4500	1	Undergrad	Power Systems I	Azzouz, M.	
GENG	4500	60	Undergrad-BTECH	Artificial Intel-Machine Lrng	Ahmadi, A.	
ELEC	4570	1	Undergrad	Fund-Digital Signal Processg	Shahrrava, B.	
Geng	4800	60	Undergrad-BTECH	Capstone Mechatronics	Alirezadee, S.	
GENG	8010	30	Graduate	Engineering Mathematics	Hassanzadeh, M.	
GENG	8010	31	Graduate	Engineering Mathematics	Hassanzadeh, M.	
GENG	8030	1	Graduate	Comp. Meth. & Modlng for Eng	Toulabi, M.	
GENG	8030	2	Graduate	Comp. Meth. & Modlng for Eng	Toulabi, M.	
ELEC	8250	1	Graduate	2-Diml Digital Signal Processg	Ahmadi, M.	
ELEC	8280	1	Graduate	Image Processing	Wu, J.	
ELEC	8290	1	Graduate	Discrete Transforms&Nmbr Theor	Wu, H.	
ELEC	8330	1	Graduate	Computational Intelligence	Kwan, H.K.	Have completed 8330 or 4370 with a grade of A- or above
ELEC	8560	1	Graduate	Computer Networks	Erfani, S.	
ELEC	8580	1	Graduate	Network Security	Erfani, S.	
ELEC	8590	1	Graduate	Phys Design Auto: VLSI & FPGAs	Khalid, M.	
ELEC	8630	1	Graduate	Wireless Communication Systems	Tepe, K.	
ELEC	8900	2	Graduate	Analog Integrated Circuit Dsgn	Chen, C.	
ELEC	8900	9	Graduate	Digital Communications	Shahrrava, B.	
ELEC	8900	10	Graduate	Applied Machine Learning	Razavi Far, R.	
ELEC	8900	21	Graduate	Sensor Design Intr.BioMed APP	Emadi, A.	COMSOL & Knowledge of Sensor Design & Microfabrication
ELEC	8900	30	Graduate	Adv Energy Storage Systems	Balasingam, B.	Matlab simulation and/or have taken the Estimation course
ELEC	8900	31	Graduate	Adv Energy Storage Systems	Balasingam, B.	Matlab simulation and/or have taken the Estimation course
ELEC	8900	66	Graduate	Design Optimization	Kwan, H.K.	have completed8900-65 or equivalent with a grade of A- or above
ELEC	8900	67	Graduate	Power System Analysis & Control	Azzouz, M.	
ELEC	8900	83	Graduate	Linear Robust & Optimal Control	Chen, X.	
ELEC	8900	105	Graduate	RFID Tech & Smart Sensors	Rashidzadeh, R.	
ELEC	8900	110	Graduate	Connected Autonomous Vehicles	Zhang, N.	
ELEC	8900	115	Graduate	Design of AC Machines	Toulabi, M.	ANSYS-Maxwell & ANSYS-RMxprt software
ELEC	4000A	1	Undergrad	Capstone Design Project	Muscedere, R.	