

ECE Course Offerings, 2023-2024 Academic Year

Course #	Course Name	Term
ELEC 224	Cont.-Time Signals & Systems	W
ELEC 324	Discrete-Time Signals & Systems	F
ELEC 345	Sensor Fabrication Technologies	F
ELEC 353	Electronics II	F
ELEC 372	Numerical Methods and Optimization for Ele	W
ELEC 408	Biomedical Signal and Image Processing	W
ELEC 409	Bioinformatic Analytics	F
ELEC 421	Digital Signal Processing: Filters and Syst.	W
ELEC 431	Power Electronics	F
ELEC 443	Linear Control Systems	F
ELEC 451	Digital Integrated Circuit Engineering	F
ELEC 461	Digital Communications	W
ELEC 464	Wireless Communications	W
ELEC 470	Computer System Architecture	W
ELEC 473	Cryptography and Network Security	F
ELEC 475	Computer Vision with Deep Learning	F
ELEC 477	Distributed Systems	W
SOFT 423	S/W Requirements	W
SOFT 437	Performance Analysis	F
MREN 348*	Intro to Robotics	W

new

new

new

new

Course #	Course Name	Term
ELEC 344	Sensors and Actuators	N/O
ELEC 425	Machine Learning and Deep Learni	N/O
ELEC 444	Modeling & Comp.Control of Mech.	N/O
ELEC 448*	Intr. Robotics: Mechanics & Control	N/O
ELEC 472	Artificial Intelligence	N/O
ELEC 474	Machine Vision	N/O

N/O - not offered in 2023-24 AY

**MREN 348 is equivalent to ELEC 448 and can be substituted for a 4th year elective*

ECE Offerings per Term

Fall 2023			Winter 2024				
ELEC 324	Discrete-Time Signals & Systems	F	<i>P.Eng</i>	ELEC 224	Cont.-Time Signals & Systems	W	<i>P.Eng</i>
ELEC 345	Sensor Fabrication Technologies	F		ELEC 372	Numerical Methods and Optimizati	W	<i>P.Eng</i>
ELEC 353	Electronics II	F	<i>P.Eng</i>	ELEC 408	Biomedical Signal and Image Proce	W	
ELEC 409	Bioinformatic Analytics	F	<i>P.Eng</i>	ELEC 421	Digital Signal Processing: Filters and	W	<i>P.Eng</i>
ELEC 431	Power Electronics	F	<i>P.Eng</i>	ELEC 461	Digital Communications	W	<i>P.Eng</i>
ELEC 443	Linear Control Systems	F		ELEC 464	Wireless Communications	W	<i>P.Eng</i>
ELEC 451	Digital Integrated Circuit Engineering	F	<i>EIT</i>	ELEC 470	Computer System Architecture	W	<i>P.Eng</i>
ELEC 473	Cryptography and Network Security	F	<i>EIT</i>	ELEC 477	Distributed Systems	W	<i>Eng. License</i>
ELEC 475	Computer Vision with Deep Learning	F	<i>P.Eng</i>	MREN 348	Intro to Robotics	W	<i>P.Eng</i>
SOFT 437	Performance Analysis	F	<i>P.Eng</i>				

The School of Computing Offerings per Term

Fall 2023			Winter 2024		
CMPE 204	Logic for Computing Science	F	CMPE 204	Logic for Computing Science	W
CMPE 251	Data Analytics	F	CMPE 223	Software Specifications	W
CMPE 327	Software Quality Assurance	F	CMPE 322	Software Architecture	W
CMPE 330	Computer-Integrated Surgery	F	CMPE 325	Human-Computer Interaction	W
CMPE 422	Formal Methods in Soft. Eng.	F	CMPE 332	Database Management Systems	W
CMPE 452	Neural and Genetic Computing	F	CMPE 351	Advanced Data Analytics	W
CMPE 457	Image Processing & Comp. Vision	F	CMPE 454	Comp. Graphics	W
			CMPE 458	Program. Language Processors	W
			SOFT 423	S/W Requirements	W