

KEY	
	Offered
	Not offered

COURSE NUMBER	COURSE NAME	Fall 2016	Spring 2017	Fall 2017	Spring 2018	Fall 2018	Spring 2019
EC311 A1	Introduction to Logic Design						
EC311 A2	Introduction to Logic Design						
EC327 A1	Introduction to Software Engineering						
EC327 A2	Introduction to Software Engineering						
EC330 A1	Applied Algorithms for Engineers						
EC330 A2	Applied Algorithms for Engineers						
EC400	Optics & Waves						
EC401 A1	Signals & Systems						
EC402 A1	Control Systems						
EC410 A1	Introduction to Electronics						
EC410 A2	Introduction to Electronics						
EC412 A1	Analog Electronics						
EC413 A1	Computer Organization						
EC414 A1	Machine Learning						
EC415 A1	Communication Systems						
EC416 A1	Introduction to Digital Signal Processing						
EC417 A1	Electric Energy Systems: Adapting to Renewable Resources						
EC440 A1	Introduction to Operating Systems						
EC441 A1	Introduction to Computer Networking						
EC444 A1	Smart and Connected Systems						
EC447 A1	Software Design						
EC450 A1	Microprocessors (discontinued)						
EC455 A1	Electromagnetic Systems I						
EC456 A1	Electromagnetic Systems II						
EC463 A1	Senior Design Project I						
EC464 A1	Senior Design Project II						
EC471 A1	Physics of Semiconductor Devices						
EC500	Building Software Products for ECE Applications						
EC500	Sftwr Prod Ece						
EC500	Molecular Spectroscopic Imaging						
EC500	Computational Synthetic Biology for Engineers						
EC500	Design of Secure and Reliable Computer Systems						
EC500	Fourier Optics						
EC500	Par Prog & Data Comp						
EC500	Computer Engineering in a Connected World						
EC500	Introduction to Computational Neuroscience						
EC500	Comp Tools Data Sci						
EC500	Introduction to Online Learning						
EC500	Cyber Physical Systems						
EC500	Design Comp Sys						
EC500	AI Audio Physio						
EC500	Introduction to Nanotechnology						
EC501 A1	Dynamic System Theory						
EC503 A1	Learning From Data (was EC500)						
EC504 A1	Advanced Data Structures						
EC504 A2	Advanced Data Structures						
EC505 A1	Stochastic Processes						
EC508 A1	Wireless Communication						
EC512 A1	Enterprise Client-Server Software Systems Design						
EC513 A1	Computer Architecture						
EC515 A1	Digital Communication						
EC516 A1	Digital Signal Processing						
EC517 A1	Introduction to Information Theory						
EC519 A1	Speech Processing by Humans and Machines						
EC520 A1	Digital Image Processing and Communication						
EC521 A1	Cybersecurity						
EC521 A2	Cybersecurity						
EC522 A1	Computational Optical Imaging (was EC500)						
EC523 A1	Deep Learning (was EC500)						
EC524 A1	Optimization Theory and Methods						
EC526 A1	Numerical Algorithms for High Performance (was EC500)						
EC527 A1	High Performance Programming with Multicore and GPUs						
EC528 A1	Cloud Computing (was EC500)						
EC533 A1	Advanced Discrete Mathematics						
EC534 A1	Discrete Stochastic Models						
EC535 A1	Introduction to Embedded Systems						
EC541 A1	Computer Communication Networks						
EC543 A1	Sustainable Power Systems: Planning, Operation, and Markets						
EC544 A1	Networking the Physical World						
EC551 A1	Advanced Digital Design with Verilog and FPGA						
EC555 A1	Introduction to Biomedical Optics						
EC556 A1	Optical Spectroscopic Imaging						
EC560 A1	Introduction to Photonics						
EC561 A1	Error-Control Codes						
EC562 A1	Engineering Optics						
EC565 A1	Electromagnetic Fundamentals						
EC568 A1	Optical Fibers and WaveGuides						
EC570 A1	Lasers and Applications						
EC571 A1	Digital VLSI Circuit Design						
EC573 A1	Solar Energy Systems						
EC574 A1	Physics of Semiconductor Materials						

EC575 A1	Semiconductor Devices								
EC577 A1	Electronic Optical and Magnetic Properties of Materials								
EC578 A1	Fabrication Technology for Integrated Circuits								
EC579 A1	Nano/Microelectronic Device Technology								
EC580 A1	Analog VLSI Circuit Design								
EC582 A1	RF/Analog IC Design Fundamentals								
EC583 A1	Power Electronics for Energy Systems								
EC591 A1	Photonics Lab 1								
EC591 A2	Photonics Lab 1								
EC591 A3	Photonics Lab 1								
EC601 A1	Product Design in Electrical and Computer Engineering								
EC601 A2	Product Design in Electrical and Computer Engineering								
EC602 A1	Design by Software								
EC602 A2	Design by Software								
EC605 A1	Computer Engineering Fundamentals								
EC674 A1	Optimization Theory II								
EC700	Advanced Computer Systems and Architecture								
EC700	Vulnerability, Defense Systems, and Malware Analysis								
EC700	Hardware Security								
EC700	Stat Inf&Learn								
EC700	Computer-Aided Verification and Synthesis								
EC700	Neural Data Analysis								
EC700	Silicon Photonics								
EC700	Computational Neuroscience								
EC700	IOT Security								
EC700	Computational Optical Imaging								
EC700	Advances in Cybersecurity								
EC700	Advanced Computer Architecture								
EC700	Malware, Online Abuse and Cybercrime								
EC700	Optmztn T/M Doc								
EC701 A1	Optimal and Robust Control								
EC702 A1	Recursive Estimation and Optimal Filtering								
EC707 A1	Radar Remote Sensing								
EC710 A1	Dynamic Programming and Stochastic Control								
EC716 A1	Advanced Digital Signal Processing								
EC717 A1	Image Reconstruction and Restoration								
EC719 A1	Statistical Pattern Recognition								
EC720 A1	Digital Video Processing								
EC724 A1	Advanced Optimization Theory and Methods								
EC725 A1	Queueing Systems								
EC730 A1	Information-Theoretical Design of Algorithms								
EC732 A1	Combinatorial Optimization and Graph Algorithms								
EC733 A1	Discrete Event and Hybrid Systems								
EC745 A1	Nanomedicine								
EC762 A1	Quantum Optics								
EC763 A1	Nonlinear and Ultrafast Optics								
EC765 A1	Biomedical Optics and Biophotonics								
EC770 A1	Guide Wave Optoelectronics								
EC771 A1	Physics of Compound Semiconductor Devices								
EC772 A1	VLSI Graduate Design Project								
EC773 A1	Advanced Optical Microscopy and Biological Imaging								
EC774 A1	Semiconductor Quantum Structures and Photonic Devices								
EC777 A1	Nanostructure Optics								
EC782 A1	RF/Analog IC Design - Advanced Applications								
EK102 A1	Introduction to Linear Algebra								
EK102 B1	Introduction to Linear Algebra								
EK103	Computer Linear Algebra								
EK128 A1	Engineering Computation (Discontinued)								
EK131/2	The Electric Guitar as a Gateway to Electro-Acoustics								
EK131/2	Photonics - Engineering with Light								
EK131/2	High Performance Computing								
EK131/2	Kinect Gaming								
EK131/2	Electronic Control of Robots								
EK131/2	Intelligent Robots								
EK131/2	Wireless Networking								
EK131/2	Heart to Kinect								
EK131/2	Optics, Waves, Metrology and Biosensors								
EK131/2	Rf Propagation								
EK131/2	Radio Propagation, Antennas, and Software Defined Radios								
EK210	Introduction to Engineering Design								
EK210	Introduction to Engineering Design								
EK307 A1	Electric Circuits								
EK307 A2	Electric Circuits								
EK307 A3	Electric Circuits								
EK381 A1 (originally EC381)	Probability, Statistics, and Data Science for Engineers								
EK481 A1	Introduction to Nanotechnology								
EK500 A1	Probability with Statistical Applications								
EK501 A1	Mathematical Methods I: Linear Algebra and Complex Analysis								