

CRS #	CROSSLIST	COURSE TITLE	CR	Fall or Spring Only	PRE-REQS	PRE or CO-REQS	COORDINATOR
101		Intro to Electrical and Computer Engineering	1				Prof. Jordan
131L		Programming Fundamentals	4		MATH 1220		Prof. Tavakoli
203		Circuit Analysis I	3		MATH 1522 (recommended ECE 300 as pre or co/req)	PHYS 1320	Prof. Bidram
206L		Instrumentation	2		ENGL 1120	ECE 203 (recommend completing this first)	Prof. Bidram
213		Circuit Analysis II	3		ECE 203	ECE 300 or MATH 314 and 316	Prof. Bidram
ENG 220		Engineering, Business, and Society	3	Fall			Prof. Jordan
231L		Intermediate Programming	4		ECE 131L or CS 152L		Prof. Tavakoli
238L		Computer Logic Design	4		ECE 131L or CS 152L or 259L		Prof. Jordan
300		Advanced Engineering Mathematics	4		MATH 1522 (recommend taking at the same time as 203)		Prof. Palacios
314L		Signals and Systems	4		ECE 213 and ECE 300		Prof. Elshafiey
321L		Electronics I	4	Fall	ECE 206L and ECE 238L		Prof. Cavallo
322L		Electronics II	4	Spring	ECE 321L		Prof. Cavallo
331		Data Structures and Algorithms	3	Spring	ECE 231L, MATH 327	ECE 340	Prof. Palacios
335		Integrated Software Systems	3	Fall	ECE 231L		Prof. Sun
338		Intermediate Logic Design	3	Fall	ECE 238L		Prof. Plusquellic
340		Probabilistic Methods in Engineering	3		ECE 300	ECE 314L	Prof. Palacios
341		Introduction to Communication Systems	3	Fall	ECE 314L, ECE 340		Prof. Elshafiey
344L		Microprocessors	4	Spring	ECE 206L, 238L, 321L		Prof. Tavakoli
345		Introduction to Control Systems	3		ECE 314L		Prof. Oishi
360L		Electromagnetic Fields and Waves	4	Spring	PHYS 1320, MATH 2531		Prof. Schamiloglu
371		Materials and Devices	3	Fall	PHYS 2310, ECE 300		Prof. Feezell
381		Introduction to Electric Power Systems	3	Spring	ECE 213		Prof. Bidram
419		Senior Design I	3		Senior Standing (second to last semester)		Prof. Busani
420		Senior Design II	3		ECE 419		Prof. Busani
437	CS 481	Computer Operating Systems	3		ECE 335 or CS 341L	ECE 331	Prof. Sun
440	CS 485	Introduction to Computer Networks	3				Prof. Sun
421	523	Analog Electronics	3	Fall	ECE 322L		Prof. Zarkesh-ha
424	520	VLSI Design	3	Spring	ECE 321L, 338		Prof. Zarkesh-ha
435		Software Engineering	3	Spring	ECE 331	ECE 335	Prof. Sun
438		Design of Computers	3	Spring	ECE 338, 344L		Prof. Tragetta and Prof. Plusquellic
439		Introduction to Digital Signal Processing	3		MATH 1522		Prof. Santhanam
442		Introduction to Wireless Communications	3		ECE 341		Prof. Jayaweera
445	545	Introduction to Quantum Information Science	3				Prof. Marvian
446		Design of Feedback Control Systems	3		ECE 345		Prof. Fierro
460	560	Introduction to Microwave Engineering	3	Fall	ECE 360		Prof. Gilmore

463	PHYC 463	Advanced Optics I	3	Fall			Prof. Feezell
464	PHYC 464	Laser Physics	3	Fall			Prof. Feezell
469	569	Antennas for Wireless Com Sys	3	Spring	ECE 360		Prof. Christodoulou
471		Materials and Devices II	3	Fall	ECE 371		Prof. Feezell
474L	574L NSMS 574L	Microelectronics Processing	3	Fall		ECE 371	Prof. Godwin
475		Intro to Electro-Optics and Opto-Electronics	3	Spring	ECE 371		Prof. Feezell
483	583	Power Electronics I	3	Spring Even Years	ECE 322L, 381	ECE 371	Prof. Bidram
484	584	Photovoltaics	3	Spring	ECE 381	ECE 371	Prof. Busani
488	588	Smart Grid Technologies	3	Spring Odd Years	ECE 381		Prof. Bidram
495	595	Special Topics in ECE	3		Students should inquire with the instructor about recommended background for their specific topics course section		