

Electrical Engineering
Prerequisite List
2002-2004 Undergraduate Catalog

NOTE: Prerequisites for CE, EE, ME and EGR courses must be completed with a grade of “C” or better. Transfer students must request a transfer evaluation from an Undergraduate Advisor before or during their first semester.

Course Number and Title	Prerequisite (credit or concurrent enrollment)
CHE 1103 General Chemistry	Passing grade on Chemistry Placement exam, or grade of C or better in CHE 1073 (MAT 1023)
CS 2073 Comp Prog w/ Engr Applications	MAT 1214 (MAT 1223)
MAT 1214 Calculus I	MAT 1093 or an equivalent course or placement
MAT 1223 Calculus II	MAT 1214
PHY 1904 Technical Physics I	MAT 1214 (PHY 1911 recommended, MAT 1223)
PHY 1911 Technical Physics I Lab	(PHY 1904)
PHY 1924 Technical Physics II	PHY 1904, MAT 1223, (PHY 1931 recommended)
PHY 1931 Technical Physics II Lab	PHY 1911 (PHY 1924)
EGR 1303 Exploring the Engineering Profession	
EGR 2213 Statics and Dynamics	MAT 1223 and PHY 1904
EGR 2323 Applied Engineering Analysis I	MAT 1223
EGR 3323 Applied Engineering Analysis II	EGR 2323
EE 2423 Network Theory	(PHY 1924, MAT 3253 or EE 2323, or EGR 2323)
EE 2513 Logic Design	(CS 2073) or CS major
EE 3113 Electrical Engineering lab I	EE 2423, 2513, (EE 3313)
EE 3213 Electromagnetic Engineering	PHY 1924, (EGR 3323)
EE 3313 Electronic Circuits I	PHY 1924, EE 2423, (EE 3423, or ME 3323)
EE 3413 Analysis & Design of Control Systems	EGR 2323, or EE 2323 or MAT 3253, EE 3423 or ME 3323
EE 3423 Signals and Systems I	EGR 2323 or EE 2323, EE 2423
EE 3463 Microcomputer Systems I	EE 2513, CS 2073, (EE 3563)
EE 3513 Electromechanical Systems	EE 3213, EGR 2213
EE 3523 Signals and Systems II	EE 3423
STA 3533 Probability and Random Processes	EE 3423, MAT 3253 or EE 2323 or EGR 2323
EE 3533 Random Signals and Noise	MAT 1223
EE 3563 Digital Systems Design I	EE 2513
EE 4113 Electrical Engineering Lab II	EE 3113, 3463, and 4313
EE 4243 Computer Organization & Arch.	EE 3463 and EE 3563
EE 4313 Electronic Circuits II	EE 3313, (3523)
EE 4323 Advanced Electrical Engineering Lab	Consent of Instructor
EE 4353 Intro to Modern Optics	EE 3213
EE 4443 Discrete-Time/Comp Control Systems	EE 3413 (EE 3523)
EE 4453 Prin of Bioengineering/Bioinstrumentation	EE 3213, 3413 (EE 4113)
EE 4513 Intro to VSLI Design	EE 3213, 4313, (EE 4243 or 4583) or consent of instructor
EE 4553 VSLI Testing	EE 4513
EE 4573 Engineering Workstations	EE 3463, 3563
EE 4583 Microcomputer Systems II	EE 3463, (EE 4313)
EE 4613 Communication Systems	EE 3423, STA 3533 or EE 3533
EE 4623 Digital Filtering	EE 4643 (EE 3463)
EE 4643 Digital Signal Processing	(EE 3523, STA 3533 or EE 3533)
EE 4653 Digital Communications	EE 3423, and STA 3533 or EE 3533
EE 4663 Digital Image Processing	EE 4643
EE 4673 Data Communication & Networks	(EE 4613)
EE 4683 Wireless Communications	EE 3423, STA 3533 or EE 3533
EE 4723 Intelligent Robotics	EE 3413 or ME 4523
EE 4733 Intelligent Control	EE 3413
EE 4743 Embedded Control Systems	EE 3413, and EE 3463
EE 4753 Computer Analysis of Power Systems	EE 3513, EE 3413
EE 4811 Electrical Engineering Design I	(EE 4113)
EE 4813 Electrical Engineering Design II	EE 4113, EE 4811
EE 4911-3 Independent Study	Permission in writing of Instructor, Advisor, Division Director, and Dean of the college (Independent Study form available)
EE 4953 Special Studies in Electrical Engineering	Consent of Instructor