

UTSA
College of Engineering
ELECTRICAL ENGINEERING
Prerequisite List
2004-2006 Undergraduate Catalog
<http://www.utsa.edu>

Any courses that can be taken **concurrently** if credit has not already been earned **are shown in parentheses**.
NOTE: Prerequisites for CE, EE, ME, and EGR courses must be completed with a grade of "C" or better.
A minimum grade of "C" is required for all science and mathematics courses required in the Engineering programs.
Transfer students must request a transfer evaluation from the undergraduate advisors during their first semester. A grade of "D" may not be transferred into major work requirements. Students may not graduate with a grade of "D" in a course required for the major.

Course Number and Title (T/E = Technical Elective)	Prerequisite (credit or concurrent enrollment) <u>ALWAYS CHECK CURRENT CATALOG</u>
EE 2423 Network Theory	(PHY 1924), (EGR 2323)
EE 2513 Logic Design	EGR 1303, (CS 2073)
EE 3113 Electrical Engineering Lab I	EE 2423, EE 2513, (EE 3313)
EE 3213 Electromagnetic Engineering	PHY 1924, (EGR 3323)
EE 3223 C++ and Data Structures (T/E)	EE 3463
EE 3313 Electronic Circuits I	PHY 1924, EE 2423, (EE 3423)
EE 3413 Anly & Dsgn of Control Systems	EGR 2323, EE 3423
EE 3423 Signals & Systems I	EGR 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 & Systems II	EE 3423
EE 3563 Digital Systems Design	EE 2513
EE 4113 Electrical Engineering Lab II	EE 3113, EE 3463, EE 4313
EE 4243 Computer Organization & Arch (T/E)	EE 3463, EE 3563
EE 4313 Electronic Circuits II	EE 3313, (EE 3523)
EE 4323 Advanced Electrical Engr Lab (T/E)	Consent of instructor
EE 4353 Intro to Modern Optics (T/E)	EE 3213
EE 4443 Discrete-Time/Comp-Control Syst (T/E)	EE 3413, (EE 3523)
EE 4453 Prin Bioenr/Bioinst (T/E)	EE 3213, EE 3413, (EE 4113)
EE 4513 Intro to VLSI Design (T/E)	EE 3463, EE 3563, (EE 4313)
EE 4553 VLSI Testing (T/E)	EE 4513
EE 4573 Engineering Workstations (T/E)	EE 3463, EE 3563
EE 4583 Microcomputer Systems II (T/E)	EE 3463, (EE 4313)
EE 4613 Communication Systems (T/E)	EE 3423, STA 3533
EE 4623 Digital Filtering (T/E)	EE 3423, (EE 3463)
EE 4643 Digital Signal Processing (T/E)	(EE 3523), (STA 3533)
EE 4653 Digital Communications (T/E)	EE 3423, STA 3533
EE 4663 Digital Image Processing (T/E)	EE 3523
EE 4673 Data Communication & Networks (T/E)	(EE 4613)
EE 4683 Wireless Communications (T/E)	EE 3423, STA 3533
EE 4723 Intelligent Robotics (T/E)	EE 3413
EE 4733 Intelligent Control (T/E)	EE 3413
EE 4743 Embedded Control Systems (T/E)	EE 3413, EE 3463
EE 4753 Computer Anly of Power Systems (T/E)	EE 3513, EE 3413
EE 4811 EE Design I	(EE 4113)
EE 4813 EE Design II	EE 4113, EE 4811
EE 4953 Special Studies in EE	Consent of instructor
CHE 1103 General Chemistry I	(MTC 1073), Passing score on Chemistry Placement exam or CHE 1073 with a grade of "C" or better
CS 2073 Comp Prg w/ Engr App	MAT 1214, (MAT 1223)
CS 3733 Operating Systems (T/E)	CS 2411, CS 2413, CS 2731, CS 2733, CS 3231, CS 3233, (CS 3731 required)
EGR 1303 Exploring the Engr Profession	
EGR 2213 Statics & Dynamics	MAT 1223, PHY 1904
EGR 2323 Applied Engineering Analysis I	MAT 1223
EGR 3323 Applied Engineering Analysis II	EGR 2323
MAT 1214 Calculus I	MAT 1093 or equivalent or passing score on placement exam
MAT 1223 Calculus II	MAT 1214
PHY 1904 Technical Physics I	MAT 1214 with a grade of "C" or better, (MAT 1223)
PHY 1911 Technical Physics I Lab	(PHY 1904)
PHY 1924 Technical Physics II	PHY 1904 with a grade of "C" or better and MAT 1223 with a grade of "C" or better
PHY 1931 Technical Physics II Lab	(PHY 1924)
STA 3533 Probability & Random Processes	EE 3423, EGR 2323

ALL UNDERGRADUATE ENGINEERING STUDENTS AT THE SOPHOMORE LEVEL AND ABOVE
MUST SEE A FACULTY ADVISOR EVERY FALL AND SPRING PRIOR TO REGISTRATION