

UTSA
College of Engineering
ELECTRICAL ENGINEERING
Prerequisite List
2006-2008 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, unless it is considered a terminal course.

Course Number and Title (T/E = Technical Elective)	Prerequisites (credit or concurrent enrollment) ALWAYS CHECK CURRENT CATALOG
EE 1323 Intro to EE Profession	EE Freshmen
EE 2423 Network Theory	EE 1323(PHY 1923), (EGR 2323)
EE 2513 Logic Design	EE 1323, (CS 2073)
EE 2511 Logic Design Lab	(EE 2513)
EE 3113 Electrical Engineering Lab I	EE 2423, EE 2513, (EE 3313)
EE 3213 Electromagnetic Engineering	PHY 1923, (EGR 3323)
EE 3223 C++ and Data Structures (T/E)	EE 3463
EE 3313 Electronic Circuits I	PHY 1923, EE 2423, (EE 3423), (EE 3323)
EE 3323 Electronic Devices	CHE 1103, (EE 3213)
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 (T/E)	EE 3213, EGR 2213
EE 3523 Signals & Systems II	EE 3423
EE 3563 Digital Systems Design	EE 2511, 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 3323, (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 3563
EE 4573 Engineering Workstations (T/E)	EE 3463, EE 3563
EE 4583 Microcomputer Systems II (T/E)	EE 3463 and completion of or concurrent enrollment in EE 4313
EE 4613 Communication Systems (T/E)	EE 3423 and STA 3533 or EE 3533
EE 4623 Digital Filtering (T/E)	EE 3423, (EE 3463)
EE 4643 Digital Signal Processing (T/E)	Concurrent enrollment or completion of EE 3523, and STA 3533 or EE 3533
EE 4653 Digital Communications (T/E)	EE 3423 and STA 3533 or EE 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 or EE 3533
EE 4693 Fiber Optic Communications (T/E)	EE 3313, EE 3423, (EE 3213)
EE 4723 Intelligent Robotics (T/E)	EE 3413 or ME 4523
EE 4733 Intelligent Control (T/E)	EE 3413
EE 4743 Embedded Control Systems (T/E)	EE 3413 and 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 and completion of/concurrent with MAT 1073
CS 2073 Comp Prg w/ Engr App	MAT 1214, (MAT 1223)
EGR 2213 Statics & Dynamics	MAT 1223, PHY 1903
EGR 2323 Applied Engineering Analysis I	MAT 1223
EGR 3323 Applied Engineering Analysis II	EGR 2323, MAT 2213
MAT 1214 Calculus I	MAT 1093 or equivalent or passing score on placement exam
MAT 1223 Calculus II	MAT 1214
MAT 2213 Calculus III	MAT 1223
PHY 1903 Engineering Physics I	MAT 1214 with a grade of “C” or better, (MAT 1223)
PHY 1911 Technical Physics I Lab	(PHY 1903)
PHY 1923 Engineering Physics II	PHY 1903 with a grade of “C” or better and MAT 1223 with a grade of “C” or better
PHY 1931 Technical Physics II Lab	PHY 1911 with a grade of “C” or better, (PHY 1923)
STA 3533 Probability & Random Processes	EE 3423 and either EGR 2323 or MAT 3253

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