

EET PROFESSIONAL ELECTIVES

(Choose two courses)

Power Systems I	0609-550
Power Systems II	0609-552
Communication Systems I	0609-534
Communication Systems II	0609-535
Digital Signal Processing	0609-547 (See Note 1)
Electro Optic Devices	0609-554
Fiber Optic Telecom Technology	0614 520
Embedded System Design I	0618-561
Embedded System Design II	0618-562
Network Engineering	0614-561 (See Note 2) 3 credit hours
Network Engineering Lab	0614-562 (co-prerequisite is 0614-561) 1 credit hour
Network Planning and Design	0614-574 (See Note 3)

Note 1: Digital Signal Processing (0609-547) can be a **professional elective** for students who matriculated into EET **before 20021**. It is a **required** course for those students who entered EET **after 20021**.

Note 2: The prerequisites for Networking Engineering are Switching Technologies (0614-475), Networking Technologies (0614-477), and Solutions to Engineering Problems (1019-422) or Differential Equations

Note 3: The prerequisites for Network Planning and Design are 0614-475, Network Management (0614-479)

EET MECHANICAL / MANUFACTURING ELECTIVES

EET students are required to take one upper-division technical course from Mechanical Engineering Technology (0610) or Computer Integrated Manufacturing Engineering Technology (0617).

Applied Mechanics	0610-408
Materials Technology	0610-416
Applied Thermodynamics I	0610-440
Thermodynamics & Heat Transfer	0610-441
Production & Operations Management I	0617-440
Production & Operations Management II	0617-441
Robust Design	0610-570 (fifth year students or department approval)
Controls for Manufacturing Automation	0617-470
Robots in Manufacturing	0617-485
Introduction to Electronics Manufacturing	0617-455
Electronics Packaging Laboratory	0617-457 (0617-455 concurrently) 1 credit hour
Advanced Concepts in Electronic Packaging	0617-456

EET TECHNICAL ELECTIVES

EET students are required to take two technical electives: one 200+ level **and** one 400+ level **or** two 400+ level. Most Engineering Technology course (prefix 06XX) will satisfy this requirement, providing that the course content does not repeat material taken in other courses (e.g. 0609-411,412,413,414 are **NOT** acceptable). It is important that the selection take into consideration pre-requisite courses necessary for subsequent technical and professional electives.

(Course descriptions are available online)
(All courses listed are 4 credit hours unless indicated otherwise)