PRE-REQUISITE CHART FOR ECE UNDERGRADUATES

**First Year**
- **Fall**
  - Math 151
  - Phys 123
  - Chem 159

- **Spring**
  - Math 152
  - Phys 124

**Second Year**
- **Fall**
  - Math 251
  - Phys 227

  **NOTE:** Princ EE I & II require concurrent registration in Math 251 & Math 244

  - Princ EE I
  - Math 251 & Math 244

  = Digital Logic Design

  = Prog'g Method. I

  = Computer Arch, & Assem. Lang.

  = 440:127 Intro to Comp.

  = SOE required courses

**Third Year**
- **Fall**
  - Electronic Devices
  - Linear Systems
  - Princ EE II

  - Princ. Comm Systems
  - Comm. Sys. Design

  = Discrete Mathematics

  = Comp Comm Networks

  = Comp Vision Design

  = Network Centric Program

  = Mobile App

  = Computer Graphics

  = Digital System Design

  = Deep Submicron

**Fourth Year**
- **Spring**
  - Opto-electronics
  - Microelectronic Design
  - Electronic circuit Design

  = Control System Design

  = Wireless com Design

  = Comm. Sys. Design

  = DSP System Design

  = Comp Vision Design

  = Network Security

  = Software Design

  = Software Design

  = Digital System Design

  = VLSI Design

**Areas**
- Opto-elect Design
- Microelec Design
- Electronic Design

**Note:** Virtual Reality requires Comp. Arch as pre-requisite.

- Required courses for all ECE majors
- Required courses for Computer Engineering option
- Required courses for Electrical Engineering option
- SOE required courses