



## Circuits Lab



### Description

Circuits I is the first major specific course to be taken during the sophomore year of every Computer Engineering student. In the Circuits I lab, students get exposed to basic fundamental concepts that they will need throughout their career. Topics covered in the Circuits I lab include current, voltage, energy, power, capacitors, inductors, amplifiers; and some well-known theorems like Superposition, Thevenin, and Kirchoff Nodal and Mesh Analysis. The Circuits I lab at PMU is well-equipped, with 10 workstations that are regularly maintained by the PMU IT Department. We seek to provide a perfectly-suitable environment for students to study and benefit.

### Equipment

Dell Desktop Computer  
Breadboards  
Advanced Table Workstations  
Feedback 700 series:

Projector  
Chips (LS series, HC series)  
Teknitik Console 92-300

Smart Board  
Soldering Iron [24V/60W]

Storage Cupboard  
Multi-meters

Electricity and Electronics Constructor EEC  
Electricity and Electronics Constructor EEC 471  
Electricity and Electronics Constructor EEC 473  
Operator Amplifier Tutor Kit OAT 343

### Software

TEKLAB  
SSH SECURE SHELL  
WIRESHARK  
EASY68K  
APACHE HHTP SERVER 2.2  
ASSEMBLER V5.6.1

### Courses

COEN 2111: Circuits I

