

# Electronics Laboratory



## Hardware Equipment:

There are 10 stations in the Electronics Lab. Each station consists of:

- DELL PC And Monitor
- Electron Electronics Lab Power Supply
- Electron B1180-Ws Workstation
- Electron B4192 Stabilized Power Supply
- Electron B4191 Auxiliary Power Supply Module
- Electron B1110: Basic Electronics Trainer
- Electron B1112: Operational Amplifier Trainer
- Electron B1115-C : Advanced Electronics Training Unit
- Electron B1117-C: Analog Signal Processing Trainer
- Tektronix TDS2012C or TDS2014C Tektronix Oscilloscope
- Tektronix PWS2323 DC Power Supply
- TTI TG550 Function Generator
- Weller Soldering Station
- Multimeter

## Overview:

The Electronics Laboratory exposes students to electronic devices and their applications. Students learn basic analog and digital devices and circuits. In our lab students are encouraged to discover concepts by implementing different experiments then observing and analyzing their results.

## Courses:

COEN 3421: Electronics |  
COEN 4322: Digital Signal Processing

## Software Resources:

- MATLAB
- LabVIEW
- PicoScope for Education
- MS Office
- TINA design Suite

## Other equipment includes:

- The instructors PC and a projector
- Low voltage power supplies
- TINA lab II: Speed Multifunction PC Instrument

