

EE 3340L

Hardware Requirements

You are expected to have access to a Windows-based computer, preferably a laptop. You also need your own personal set of the three items listed below. The four items together comprise the ISU ECE Take-Home Lab-in-a-Box Hardware Kit: You will use this kit to complete your lab projects and experiments remotely.

1. Analog Devices ADALM2000 Active Learning Module (\$150). Two possible sources are:
 - Mouser Electronics
https://www.mouser.com/ProductDetail/Analog-Devices/ADALM2000?qs=xbccQsLEe0e03sUxIHWPSw%3D%3D&gclid=Cj0KCQiA0fr_BRDaARIsAABw4Ese7NOPHP1H9PIPIYvtzKUxP_R8ceohhAESbMAY9f1dneYtT04f6cIaAo36EALw_wcB
 - Digi-Key Electronics
<https://www.digikey.com/en/products/detail/analog-devices-inc/ADALM2000/7019661>
2. Analog Devices ADALP2000 Analog Parts Kit (\$45). Two possible sources are:
 - Mouser Electronics
https://www.mouser.com/ProductDetail/Analog-Devices/ADALP2000?qs=xbTpb2TSnD8BNGW%2FTeqs8g%3D%3D&gclid=Cj0KCQiA0fr_BRDaARIsAABw4Evwlx3-pDZ-2nwBe210Jc83CmqkhODtIejH4xedBOU-CnYYTGzr6NMaAno9EALw_wcB
 - Digi-Key Electronics
<https://www.digikey.com/en/products/detail/analog-devices-inc/ADALP2000/5125379?s=N4IgtTCBcDaIIIBE4BkAKYAMWQF0C%2BQA>
3. Digilent 480-001P Autoranging Digital Multimeter (\$32.99). Two possible sources are:
 - Mouser Electronics
<https://www.mouser.com/ProductDetail/Digilent/480-001?qs=s%2FdyVPQMB4xWAQ%252Byz%2FIJpg%3D%3D>
 - Digi-Key Electronics
<https://www.digikey.com/en/products/detail/digilent-inc/480-001/4090113>

This requirement applies to five of the six required lab courses in the BSEE program: EE 2240L, EE 2274L, EE 3340L, EE 4427L, and EE 4429L.

If you do not already have a kit, it is strongly recommended that you purchase this equipment ASAP, in order to (hopefully) avoid encountering any parts shortages and/or backorders as students at other schools and universities also adopt such equipment at the beginning of the new semester.

My intent is to begin using these kits for EE 3340L beginning on Wednesday, January 27, 2021.