

# *ECE 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](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-2nwBe2I0Jc83CmqkhODtIejH4xedBOU-CnYYTGzr6NMaAno9EALw\\_wcB](https://www.mouser.com/ProductDetail/Analog-Devices/ADALP2000?qs=xbTpb2TSnD8BNGW%2FTeqs8g%3D%3D&gclid=Cj0KCQiA0fr_BRDaARIsAABw4Evwlx3-pDZ-2nwBe2I0Jc83CmqkhODtIejH4xedBOU-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.***