College of Engineering and Applied Science

Minimum Laptop Specifications 2015 - 2016

The following laptop configuration was developed by the Office of College Computing (OCC) for CEAS. These are recommended minimum configurations. Certain academic programs may require a different configuration, so please check with your specific program for any additional requirements. Students may also want to consider a 1TB or larger USB external hard drive for backing up their computer system.

**Minimum Recommended Laptop Specifications**

- Intel® Core™ i5 Processor or higher
- 8GB DDR3 SDRAM or higher
- Dedicated video card with minimum 1GB of video memory
- HDMI port for external monitor/projector
- HDMI cable
- 500GB (5400 rpm) hard drive
- DVD±RW (internal or external)
- Audio
- 10/100/1000 Network interface
- Wireless 802.11g/n (minimum)
- Wireless 802.11 ac dual band (recommended, see note below)
- USB 2.0 ports/3.0 ports
- OS: Windows 7 or 8.1 Home Premium or higher, 64-bit

**Additional Considerations**

- Due to the nature of how laptops are used, an extended warranty may be an option to consider.
- CEAS OCC does not officially support Mac OS X. If the student chooses to purchase an Apple laptop, it should meet the similar specifications listed above, in addition to running Apple Bootcamp with Windows 7 Professional 64-bit for software that may require a Windows platform. Additionally, a Mini DisplayPort to HDMI adapter will be needed, if applicable.

See [http://www.uc.edu/content/dam/uc/ucit/docs/helpdesk/InstallingWindows7UltimateOnAMac.pdf](http://www.uc.edu/content/dam/uc/ucit/docs/helpdesk/InstallingWindows7UltimateOnAMac.pdf)

**Note:** UCIT is implementing the Aruba 220 wireless access points (802.11ac) on campus. These APs deliver gigabit Wi-Fi performance to 802.11ac mobile devices, are three-times faster than 802.11n devices, and provide performance similar to a wired connection.