College of Engineering and Applied Science

Minimum Laptop Specifications 2017 – 2018
(Last Updated 2017/02/20)

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.

The University of Cincinnati Bookstore will also carry two different Dell laptops that meet the specifications listed below. Please see the reverse side for more details.

Minimum Recommended Laptop Specifications
- Intel® Core™ i7 Processor
- 8GB DDR3 SDRAM (16 GB recommended)
- Dedicated video card with minimum 2GB of video memory (recommended, see note below)
- HDMI port for external monitor/projector
- HDMI cable
- 500GB (5400 rpm) hard drive or 256GB Solid State Drive
- Audio
- 10/100/1000 Network interface
- Wireless 802.11g/n (minimum)
- Wireless 802.11 ac dual band (recommended)
- USB 2.0 ports/3.0 ports
- OS: Windows 10 Professional 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 choses to purchase an Apple laptop, it should meet the similar specifications listed above, in addition to running Apple Bootcamp with Windows 10 Professional 64-bit for software that may require a Windows platform.
- A Mini DisplayPort to HDMI adapter will be needed, if applicable.

Note: Integrated video may be used, but can result in slower performance when using modeling software. If using integrated video, one of the following should be selected (listed in order of performance, highest first).
1. Intel HD 530
2. Intel HD 540
3. Intel HD 520
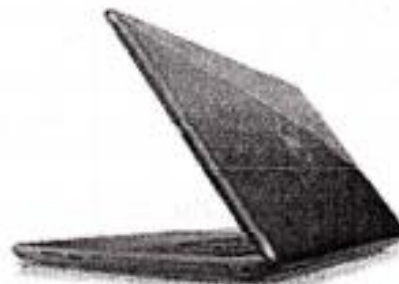4. Intel HD 6000

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CEAS Recommended Models

Dell Inspiron 15 5000

7th generation Intel i7 processor (up to 3.5GHz)
16GB RAM, DDR4 2400MHz
1TB SATA Hard Drive
AMD Radeon R7 M445 Graphics w/ 4GB
GDDR5 dedicated memory
DVD-RW Drive
Windows 10 Professional
15.6" TrueLife Touch Screen
SD Card reader
HDMI, Ethernet
2 USB 3.0, 1 USB 2.0
Security Slot

$ 949.00

Dell Precision 15 3520

7th generation Intel i7 quad- core
processor (up to 3.8GHz)
16GB RAM, DDR4 2400MHz
256GB SSD
Nvidia Quadro M620 w/ 2GB GDDR5
dedicated memory
Windows 10 Professional
15.6" HD Non Touch Anti-Glare Screen
SD Card reader
HDMI, VGA, Ethernet
1 USB-C, 3 USB 3.0
Security Slot

$ 1,449.00

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