

Barton College Hardware Specifications

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Minimum Laptop Specifications

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

Important Notes

- Nursing students are required to follow the PC purchase track. Macbooks are not compatible with our nursing software.
- Mobile phones, tablets, and netbooks do not meet the specified requirements as noted below.

Minimum Recommended Laptop Specifications for PC

- 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
- 256GB+ SSD (solid state hard drive)
- DVD±RW (internal or external)
- 10/100/1000 Network interface
- Wireless 802.11 ac dual band
- USB 2.0 ports/3.0 ports
- OS: Windows 10 (64-bit)

Minimum Recommended Laptop Specification for Mac OS

- 8GB RAM or higher
- OS: Sierra (10.12) or higher
- 256GB+ SSD (solid state hard drive)
- HDMI port for external monitor/projector or adapter:
 - Mini DisplayPort or USB-C to HDMI adapter
- HDMI cable
- Wireless 802.11 ac dual band
- USB ports: at least 2 available (or USB-C to USB adapter)

Additional Considerations

- Because of the way laptops are used, an extended warranty may be an option to consider.
 - Minimum 1 year parts and labor
Recommended 3 year parts and labor may be purchased at an additional cost.
- If a student chooses to purchase an Apple laptop, it should meet the similar specifications listed above. A **VirtualBox** is required on a Macbook to support mandatory software that would typically run on a Windows platform. Download a free copy of VirtualBox at <https://www.virtualbox.org/>.
- There are no fixed requirements for display size. Larger screens imply larger visible images and greater laptop size and weight.

Software

- Microsoft Office 365 is provided free of charge for Barton students via Barton College's Microsoft Campus Agreement (Word, Excel, Powerpoint, etc.)
- Google Apps for Education is free for Barton students:
 - Cloud-based storage environment
 - Unlimited email and document storage
- Virus-protection software **MUST** be installed and up to date for each laptop that connects to our wireless network.
 - AVG, AVAST, and Microsoft Security Essentials are free downloads.

Questions

For more information, contact Technology Services at **252-399-6436** or email support@barton.edu.