Laptop Hardware Requirements

- **Original Purchase Date:** less than 2 years old
- **Processor:** Intel Core i5, Quad Core 3.1 GHz or better
- **Memory:** 8 GB minimum
- **Hard Disk Drive:** 500 GB minimum
- **Integrated webcam:** 720p HD minimum
- **Expansion Ports:** At least two USB 3.0
- **Battery:** 6 hours minimum
- **Operating System:**
  - PC**:** Microsoft Windows 7, 8 or 10
  - Mac**:** OSX 10.8 Mountain Lion, OSX 10.9 Mavericks, OSX 10.10 (Yosemite) or OSX 10.11 (El Capitan)
- **Software (check software.unc.edu and shareware.unc.edu for free and discounted software):**
  - Administrative level account permissions
  - Microsoft Office
    - PC: Microsoft Office 2013 or newer
    - Mac: Microsoft Office for Mac 2011
  - Adobe Acrobat Reader
  - A functioning and up-to-date anti-virus program
    - Windows users will already have Microsoft Security Essentials if they have installed all current Windows updates.
- **Network Bandwidth (at home):** At least 15 Mbps download, 5 Mbps upload
- **Adapters & Peripherals:**
  - USB Headset with integrated microphone (required)
  - VGA connectivity (required), either through adapter (e.g. Mini Display Port -> VGA), or built-in VGA output
  - Ethernet connectivity (required), either through Ethernet -> USB adapter, or built-in RJ-45 port
  - USB Hub (optional)
  - External or cloud-based storage to back-up data (optional)
- **Warranty**: It is recommended that you have a warranty on your laptop. All hardware repairs must be performed at the place of purchase, or where stipulated by warranty. Laptops purchased from UNC's CCI include a three-year warranty and on-campus hardware repair. Asheville students that purchase UNC CCI computers requiring hardware repair will have the option to use a certified Lenovo service center or have the computer shipped to Chapel Hill at no cost to them.

There are certain tools and programs that will only run on a laptop. While the use of tablets may enhance the in-class learning experience by providing additional note-taking capabilities and mobile consumption of digital academic content, there are instances during the PharmD program where a laptop will be required.