



## Computer and Technology Requirements

Due to the hybrid curriculum delivery method in the MLS Program, admitted students are expected to be highly competent in using a computer to generate, type, edit, format, and print documents. All students in the MLS program must have consistent and reliable access to a computer and the Internet. The University of Minnesota offers a variety of hardware and software options to enrolled students, including certified laptop bundles, Microsoft Office software, and Internet services through UMarket. Visit <http://www.oit.umn.edu/umart/> for complete details.

### Technical Requirements

Due to the hybrid and online delivery format of all Medical Laboratory Science courses students in the MLS program must have **consistent and reliable access** to a computer and the Internet. Students in the MLS Program must maintain a minimum level of capacity and flexibility with computer equipment and other technological issues.

**Please note that not all course modules online are compatible for use with tablets or smart phones**

- Hardware Equipment –
  - A Pentium-based computer running Windows 7 , 8, 10 and a printer
  - MAC with an Intel processor (1.66 GHz or greater) running OS X 10.5 or later AND Parallels Desktop for Mac, 2 GB of memory, and 20 GB of free space on the hard drive for software installation and virtual machine space.
  - You will also need a valid, licensed version of Windows 7 or higher to install your virtual machine.
- Software – to support file exchange between students and the instructor
  - Microsoft Office program including Word, Excel, and PowerPoint
  - Adobe Acrobat Reader
  - Google Chrome or Mozilla FireFox browser with Flash, Shockwave and Java plugins
  - If you need any additional software, it will be stated in the course syllabus.
- High-Speed Internet access (Cable or LAN).
  - **DSL connections are often insufficient** to meet the course content requirements.
- Abilities – to support file exchange between students and the instructor
- University of Minnesota Email
  - The ability to use the University web-based email program to send and receive messages and attachments
  - Upload/Download file to computer from email or course assignments
- Calculator
  - A simple, non-programmable statistics calculator for use during exams.
  - Cell phone calculators are not acceptable
- Required Technical Abilities
  - Retrieve, download and upload basic software files (Word, Excel, PPT, PDF, etc.)
  - Develop a text-based document with correct spelling and grammar and using appropriate terminology of the laboratory medicine field
  - Generate, modify, and save a document in Word, Excel, or PowerPoint
  - Use Excel to develop graphic representations of laboratory data
  - Convert documents to pdf format
  - Use email as a form of communication with instructors and peers applying Netiquette to all forms of electronic communication