

All Undergraduate and Graduate Nursing Students are required to have a laptop that can be brought to campus and/or used for course activities and exams. The laptop must meet the requirements listed below, including Microsoft Office (Word, Excel, and PowerPoint).

| <b>FEATURE</b>                      | <b>REQUIRED</b>  | <b>PREFERRED (IF APPLICABLE)</b>        | <b>RATIONALE</b>   |
|-------------------------------------|--|---|--|
| <b>Operating system</b>             | Windows: 10*<br>Mac: High Sierra*  |   | *See notes below.  |
| <b>Display</b>                      | 11.6"  | 12" or higher                           | Online exams are easier to view using a larger screen.   |
| <b>Processor</b>                    | Intel i-Series i5 or equivalent (Windows/Mac)  |   | The latest operating systems and applications require advanced processors to be used effectively.    |
| <b>Resolution</b>                   | 1920 X 1080  |   |  |
| <b>Memory (RAM)</b>                 | 8 GB   |   | Memory demands for Windows operating system will require at least 4 gigabytes (GB) of memory.        |
| <b>Hard drive</b>                   | 250 GB   | 500 GB or higher                        | Storing class materials on the computer. A backup solution is also strongly recommended for storage. |
| <b>Battery</b>                      | 3 hours minimum  |   | It is suggested that a quick charger or extended battery be purchased.                               |
| <b>Camera, speakers, microphone</b> | Internal   |   |  |
| <b>Headset/earbuds</b>              | USB headset/earbuds and microphone (required for online students)  |   |  |
| <b>Internet speed</b>               | 3 Mbps upload/3 Mbps download  | 5 Mbps upload/5 Mbps download or higher | Streaming lecture capture, online exams, and interactive tech content.                               |
| <b>Office 365</b>                   | Free for all students  |   | See below.   |
| <b>Browsers</b>                     | Latest version of: <ul style="list-style-type: none"> <li>• Edge (PC Only)</li> <li>• Safari (Mac only)</li> <li>• <a href="#">Google Chrome</a></li> <li>• <a href="#">Mozilla Firefox</a></li> </ul> |   |  |
| <b>Plugins</b>                      | Latest version of: <ul style="list-style-type: none"> <li>• <a href="#">Adobe Reader</a> to view PDF files</li> <li>• <a href="#">Adobe Flash Player</a></li> <li>• <a href="#">Java</a></li> </ul>    |   |  |
| <b>Virus Protection Software</b>    | Free options available. See <a href="#">MyIT</a> .   |   | Virus protection software with frequent updates.   |

**Please note:**

- The Microsoft Surface Laptop with Windows 10S and tablet devices, such as iPad, iPad Pro, Android, Amazon Fire, Chromebook, etc. are not sufficient to support all activities within the College of Nursing.
- A Surface Pro with full Win10 and an external keyboard is acceptable
- Virtual operating systems such as Microsoft's Virtual Machine, Parallels, VMware, VMware Fusion, Apple Boot Camp or any other virtual environments are **not** allowed.
- Only genuine versions of Windows operating systems are supported.

**\*NEW Operating System Updates Notice:**

New computer operating systems become available at various times through any given school year. It is in each students' best interest to verify before updating to a new operating system that all required educational software (e.g., exam software for example) is compatible with a new operating system. Sometimes there is a period where one must wait to update an operating system to continue to be able to complete requirements for the class.

**Office 365:**

As part of Office 365, faculty, staff, and students receive five (5) free copies of Office 365 to install on personally owned computers and devices. To access the download, sign into [Office365](#) using your netID@creighton.edu (i.e., abc12345@creighton.edu) and your Blue password. Click on "Install Office" button. This will locally install Word, Excel, PowerPoint, Outlook, and other Office 365 apps – a great benefit as you will not have purchase Microsoft Office.

- Office Online: The latest versions of Microsoft Word, Excel, Access, PowerPoint, Outlook, OneNote, etc.
- Installation on up to five (5) PCs or Macs and Office apps on mobile devices including Windows tablets and iPads.
- 1 TB of OneDrive cloud storage.

**Internet Requirements:**

Connection to the internet (on campus or at home) is essential.

- Internet Service Provider: All off-campus students are **required to purchase** their own dedicated home high-speed internet service at a **minimum required speed of 3 Mbps upload and 3Mbps download** (preferred speed of 5 Mbps upload and 5 Mbps download) for viewing lecture captures, simultaneous screen sharing, video and audio conferencing. To test the connectivity level where you will be studying, taking exams, etc. go to [SpeedTest](#).

Student internet connection speed needs to be fast enough to stream video without noticeable buffering, allow for uninterrupted web conferencing (streaming of audio and video) and a constant connection to download files, as needed. Please speak with your internet service provider (ISP) to make sure your internet connection speed will accommodate these needs while others in your household may stream content simultaneously, and your router/modem is new enough to handle the required connection speed as well.

**Optional Items (may be required - see course syllabi for details):**

- Digital camera, video camera
- USB flash drive
- SPSS software (statistical software)
- Some classes may require web or application services that require a fee

**Student Technical Support Information:**

If a student has a technical problem using an application supported by Creighton University or a vendor that the College of Nursing contracts with to support students directly, remote technical support is usually handled by a technician over the phone and a request for remote access to the student's computer may be necessary to diagnose the problem. Students grant technician's remote access and can watch what a technician does while connected. Before any suggested changes are made to a student's computer, the technician will explain the change and the reason for the change. The student is responsible for agreeing to allow the change to be made or figuring out a different method or computer to use to complete the necessary task with the application should the student be unwilling to allow changes or remote access to their computer. A student may disconnect remote access at any time, and technicians are not able to reconnect a remote session without the student agreeing to the session.