



Personal Computers

- **Operating System** – Your PC operating system should be at least Windows 7 or higher (full version not RT or Mobile). Microsoft no longer supports Windows 7. It is best to upgrade to a newer operating system if possible.
 - Check the latest [operating system](https://support.microsoft.com/en-us/help/13443/windows-which-operating-system) on windows:
<https://support.microsoft.com/en-us/help/13443/windows-which-operating-system>
 - [How to update windows to a later version](https://support.microsoft.com/en-us/help/4028685/windows-10-get-the-update):
<https://support.microsoft.com/en-us/help/4028685/windows-10-get-the-update> (windows 10 2018 update instructions)
 - **“Windows Update”** - It is also important that you run **“Windows Update”** to ensure you have all the latest security patches and updates. Follow the steps below:
 1. Click Start, and then click Control Panel.
 2. Depending on which Control Panel view you use, Classic or Category, do one of the following:
 - a. Click System, and then click the Automatic Updates tab.
 - b. Click Performance and Maintenance, click System, and then click the Automatic Updates tab.
 3. Click the option that you want. Make sure Automatic Updates is not turned off.
- **Hardware**
 - Processor (Central Processing Unit) – minimum 2GHz CPU
 - Storage (hard drive)– minimum 250 Gigabytes
 - RAM (Random Access Memory) minimum 4+ Gigabyte (8+ Gigabyte preferred)
- **Other Hardware and Equipment**
 - Graphics card
 - Monitor capable of 1280 X 1024 display or better
 - Stereo sound card, speakers and/or headset
 - Microphone may be needed for select courses (check with your instructor)
 - Web-cam may be required in some classes (check with your instructor)

Mac or Apple Systems

- **Operating System** – The OS, at a minimum should be 10.7 or higher (Sierra, High Sierra, Mojave most reliable).
 - To check what mac system, you are using:

- [Check the latest operating system on mac:](https://support.apple.com/en-us/HT201260)
https://support.apple.com/en-us/HT201260
- [How to update mac to a later version:](https://support.apple.com/en-us/HT201541)
https://support.apple.com/en-us/HT201541

- **Hardware**

- Processor (Central Processing Unit) – minimum 2GHz CPU
- Storage (hard drive)– 250 Gigabytes (minimum)
- RAM (Random Access Memory) 4+ Gigabyte minimum 8+preferred

- **Other Hardware and Equipment**

- Graphics card
- Monitor capable of 1280 X 1024 display or better
- Stereo sound card, speakers and/or headset
- Microphone may be needed for select courses (check with your instructor)
- Web-cam may be required in some classes (check with your instructor)

Connectivity

- Must have regular access to reliable:
 - Highspeed, Internet access such as (DSL, U-verse, cable modem, fiber link etc.)
 - Ethernet and or/wifi

Note that: Satellite-based or cell phone ‘hot spot’ based connections are typically unstable

Internet Browser

The internet browsers you will need are as follow:

- Firefox (FF 64 or higher)
- Google Chrome (C71 or higher)
- Safari (S11 or higher)
- Internet Explorer (11 or higher)
- Edge (17 or higher)

Plugins or popups

- Enable popups, chat feature
- Download the newest version of the following:
 - Adobe DC reader
 - [Latest version of adobe reader \(dc\):](https://helpx.adobe.com/acrobat/release-note/release-notes-acrobat-reader.html#)
https://helpx.adobe.com/acrobat/release-note/release-notes-acrobat-reader.html#
 - Adobe flash plugin (mac users only)
 - [Adobe flash plugin Windows 10](https://helpx.adobe.com/flash-player/kb/flash-player-issues-windows-10-edge.html)
https://helpx.adobe.com/flash-player/kb/flash-player-issues-windows-10-edge.html
 - [Adobe flash plugin Mac](https://helpx.adobe.com/flash-player/kb/enabling-flash-player-safari.html)
https://helpx.adobe.com/flash-player/kb/enabling-flash-player-safari.html
 - [Java browser plug in:](https://java.com/en/download/help/enable_browser.xml)
https://java.com/en/download/help/enable_browser.xml