



HARDWARE & SOFTWARE REQUIREMENTS

In order to have a quality learning experience while taking courses in the online modality, Colorado Technical University recommends that your primary computer (the computer used to access course materials and on which you will be required to install course-specific software) meets or exceeds the following specifications. In addition, please refer to the Notes section at the end of this document. Mobile app specifications also are provided in the table below.

Requirement	PC Users	Mac Users (IT programs* require the use of a PC)	Information Technology Program PC Requirements	Additional Family Nurse Practitioner Concentration Requirements	Mobile App Users**
Operating System (OS)	Windows 7	Mac OS X 10.10	Windows 7	PC Users: Windows 7; Recommend Windows 10 (10 S is not supported) Mac Users: OS X 10.10; Recommend OS X 10.13 High Sierra	Android 4.4 and newer iPhone: 5s & above iPad: iPad mini 2 and above OS: iOS 11 and above
Processor	1Ghz X 32-bit (X86-bit or X64-bit recommended)	Intel Processor	2.6 Ghz X86-bit or X64-bit	See PC or Mac Users requirements	n/a
RAM Memory	4GB	4GB	4GB	4GB	n/a
Hard Drive Space Available	6GB	6GB	10GB	6GB	n/a
Audio Card	Sound Blaster compatible 16-bit sound card	Sound Blaster compatible 16-bit sound card	Sound Blaster compatible 16-bit sound card	Sound Blaster compatible 16-bit sound card	n/a
Audio Device	Headset or speakers (some courses require a microphone)	Headset or speakers (some courses require a microphone)	Headset or speakers (some courses require a microphone)	Headset or speakers; Microphone required	n/a
Display/Video Card	Capable of 1280 X 800 resolution and 16 bit color	Capable of 1280 X 800 resolution and 16 bit color	Capable of 1280 X 800 resolution Direct X graphics card	Capable of 1280 X 800 resolution and 16 bit color	n/a

Requirement	PC Users	Mac Users (IT programs* require the use of a PC)	Information Technology Program PC requirements	Additional Family Nurse Practitioner Concentration Requirements	Mobile App Users**
Internet Connection***	Broadband- Download speed 1.5 Mbps or greater; Upload speed 1 Mbps or greater	Broadband- Download speed 1.5 Mbps or greater; Upload speed 1 Mbps or greater	Broadband- Download speed 1.5 Mbps or greater; Upload speed 1 Mbps or greater	Broadband- Download speed 1.5 Mbps or greater; Upload speed 1 Mbps or greater	Wi-fi or Mobile Data****
Word Processing*****	Microsoft Office 365	Microsoft Office 365	Microsoft Office 365	Microsoft Office 365	Microsoft Office 365
Web Browser	Internet Explorer, Firefox, Edge, or Chrome	Firefox, Chrome, or Safari	Internet Explorer, Firefox, Edge, or Chrome	Chrome (preferred), Firefox, or Safari	Firefox or Chrome (for iOS also Safari, or Puffin)
Web Camera	n/a	n/a	n/a	Minimum: 640x480 resolution; Recommended: 1280x720 resolution	n/a

* See PC requirements for Information Technology Program

** Windows phones are not supported

*** Mbps is Megabites per second; Lower connection speeds may impact performance with viewing videos, live chats, and other areas within the portal.

**** Standard mobile data rates/charges may apply

***** Access to download Microsoft Office 365 is provided upon the student's enrollment at CTU

Notes:

1. Students are required to have regular access to a computer that meets or exceeds the required specifications for online courses.
2. Browsers not listed in the minimum requirements as well as the Linux operating system may not fully function with online courses and are not supported by Colorado Technical University's Technical Support.
3. Other required course specific software is provided as a part of the student's course materials. Several courses contain software that require students to use a PC. Students should contact their Student Success Coach for more information.
4. Adobe Acrobat Reader and Adobe Flash Player are complimentary downloads that need to be installed in order to access some features in the Virtual Campus.
5. Those who may access courses from their place of employment, as well as Military Organizations and Militaries, may have restrictions on the type of content allowed through the organization's firewall or network security. This may affect your ability to access your online courses from work and is beyond Colorado Technical University's ability to predict or control.