Minimum Technology Requirements

In order to participate in the online class activities and run the LMS effectively, all users must use the following technical components. If you do not follow the suggested requirements, Canvas may still work, but some functionality may be lost. All users must have access to a high-speed internet, a personal computer that is up-to-date and maintained, as well as a microphone, speaker (or earphones), and a webcam. These items can be either built-in or external.

For PC Users

- A modem or other device capable of connecting to the Internet. A high-speed connection is strongly recommended.
- Processor: 2GHz processor (Dual Core processor **strongly recommended**)
- Operating System: Windows 8.1 or newer with current updates installed
- Memory: 4 Gigabytes RAM Memory or higher
- Hard drive: 500 Gigabytes or higher
- Speaker (built-in or external)
- Microphone (built-in or external)

For Mac Users

- A modem or other device capable of connecting to the Internet. A high-speed connection is strongly recommended.
- Processor: Intel I3/equivalent or better
- Operating System: MAC OS X 10.6 (Snow Leopard) or newer
- Memory: 4 Gigabytes RAM Memory or higher
- Hard drive: 500 Gigabytes or higher
- Speaker (built-in or external)
- Microphone (built-in or external)

Tablets and Smart Phones

Although Canvas works on most tablets and smart phones, some features may not work properly on these devices. We recommend using a PC or Mac as your primary means of access to Canvas. For recent updates, you should always check: https://community.canvaslms.com/docs/DOC-14263-what-are-the-computer-specifications-for-canvas-studio

Browser Requirements

The latest version of the following browsers can work with Canvas:
- **Chrome** 79 and 80
- **Firefox** 73 and 74 (Extended Releases are not supported*)
- **Edge** 79 and 80
- **Respondus Lockdown Browser** (supporting the latest system requirements)
- **Safari** 12 and 13 (Macintosh only)

For recent updates, you should always check: https://community.canvaslms.com/docs/DOC-10720-which-browsers-does-canvas-support

For several reasons, Chrome and Firefox run Canvas optimally, but most of the functions should work on any of the browsers. If you encounter any problems accessing resources, consider use of Chrome or Firefox browsers. Other browsers may be used, but may not support all functionalities of the LMS. All browsers should have JavaScript, Cookies and Pop-ups enabled.

The following browser settings required for smooth operation of Canvas:
- Enable cookies
- Enable Javascript (Javascript and Java are not the same, Canvas does not require Java)

Please use the latest versions of above mentioned browsers, and keep the browser up to date.

Software Requirements

Given the multimodal nature of the learning environment, FXUA recommends the following applications and to maintain them within working conditions:
- Current virus detection software that must be installed and kept up to date
- To view and create resources for Canvas, the use of Microsoft Office 365 and its applications are encouraged.
- Java
- Adobe Acrobat Reader/Microsoft Edge to open and save PDF files
- Adobe Flash Player
- Screencast-O-Matic
- Windows Movie Maker (for PC users)
- VLC Media Player
- Quick Time Player (for MAC users with 10.6 or higher)

Recommended Hardware Items

The following are examples of suggested products that will meet the hardware needs described above.

Cameras

- Logitech QuickCam Sphere AF
- Logitech QuickCam E3500
- Samsung Pleomax PWC-7100
- Genius Look320S
- Integrated Lenovo 3000 n100
- Skypemate WC-103M
- Logitech 720p Webcam C510

Headsets

- Logitech Clear Chat Style
- ClearChat PC Wireless
- Logitech H330 USB Microphone