

# System Requirements

Online courses will require a computer and an internet connection. Below is a list of recommended hardware that may be necessary.

## Hardware Resources

PC Windows XP, Windows Vista, Windows 7 or Windows 8

Macintosh MacOS X 10.6 - 10.8

RAM 2 GB

Intel Core™ Duo 1.83GHz or faster processor

Processor

Windows - Intel® Pentium® IV 1.4GHz or faster processor (or equivalent)

Hard Drive a minimum of 5 GB of free space

Modem Cable modem or DSL is highly recommended

Optical Drive CD-RW/DVD or DVD-RW

Video and Sound Card

Speakers or headphones

Printer

Headset Microphone (this will reduce feedback)

Web Camera

Internet Browser

## Supported Browser Information for Blackboard

- Windows Operating System and Browser
  - Windows 8 (32, 64 bit): Internet Explorer 10, Firefox (ESR and Final Release Channel), or Google Chrome 20+ (Stable Channel)
  - Windows 7 (32, 64 bit): Internet Explorer 8 - 10, Firefox (ESR and Final Release Channel), or Google Chrome 20+ (Stable Channel)
  - Windows Vista (32, 64 bit): Internet Explorer 8 & 9, Firefox (ESR and Final Release Channel), or Google Chrome 20+ (Stable Channel)
  - Windows XP: Internet Explorer 8, Firefox (ESR and Final Release Channel), or Google Chrome 20+ (Stable Channel)
- Macintosh Operating System and Browsers
  - Mac OSX 10.8 Mountain Lion: Safari 6.0, Safari 5.1, Firefox (ESR and Final Release Channel), or Google Chrome 20+ (Stable Channel)
  - Mac OSX 10.7 Lion: Safari 6.0, Safari 5.1, Firefox (ESR and Final Release Channel), or Google Chrome 20+ (Stable Channel)

- Mac OSX 10.6 Snow Leopard: Safari 5.1, Safari 5.0, Safari 4.0, Firefox (ESR and Final Release Channel), or Google Chrome 20+ (Stable Channel)
- Mac OSX 10.5 is not supported in SP11
- Browser Plugins
  - Blackboard Learn requires the latest version of Sun JRE 7. JRE 6 may work, but could result in unexpected behavior. The JRE can be downloaded from <http://www.oracle.com/technetwork/java/javase/downloads/index.html>
  - JRE (Java Runtime Environment) is not required for users to access and interact with the Learn platform with the exception of the following features and tools:
    - Learn collaboration tools virtual classroom and chat
    - Multiple-file uploads
    - Math equation editor
    - Default text editor shipped with Learn 9.1 SP9 and earlier
- Browser Check
  - It is highly recommended that you perform a browser before you login in to check and see if your computer is properly configured to use the Blackboard Learning System. Click [here](#) to perform a browser check.

## Supported Browsers for Adobe Connect

- Windows XP Home or Professional with Service Pack 2; Windows Vista Home Premium, Business, Ultimate, or Enterprise; or Windows 7 Home Premium, Professional, or Ultimate (32-bit edition, or 64-bit edition with 32-bit browser)
  - Microsoft Internet Explorer 6, 7, 8, 9
  - Mozilla Firefox 3.x or later
  - Google Chrome
  - Adobe Flash® Player 10.1 or later
- Mac OS X v10.5–10.7.2 (Intel)
  - Safari 4, 5
  - Mozilla Firefox 3.x or later
  - Google Chrome
  - Adobe Flash Player 10.1 or later
- Browser Check
  - It is highly recommended that you perform a browser before you login in to check and see if your computer is properly configured to use the Adobe Connect System. Click [here](#) to perform a browser check.

## Supported Browsers for Echo 360

- Windows Vista; or Windows 7(32-bit edition, or 64-bit edition with 32-bit browser)
  - Microsoft Internet Explorer 9 and 10
  - Chrome 21 and 22
- Mac OS X v10.6 and above (Intel)
  - Chrome 21 and 22
  - Safari 5.1 and 6.0