

## Technical Specification

	Recommended
Operating System	Windows 8 or higher Mac OS 10.12 or higher
Processor	1 GHz or faster processor
Memory	2 GB of RAM or higher
Monitor Resolution	1024 x 768 or higher
Internet Connection	Broadband (high-speed) Internet connection with a consistent minimum download speed of 1.5 Mbps.  <a href="#">You can check your speed settings using the speed test on this website.</a>
Internet Browser	Google Chrome or Mozilla Firefox (more details below)
Java	You will need to enable Javascript.  <a href="#">You can download Java from the Java website.</a>

## Blackboard Collaborate

Collaborate requires certain permissions to function as desired, e.g. it will need permission to access your camera and microphone so you can use audio and video. You can give Collaborate permission when asked, and/or set up permissions in browser preferences.

You will need to use one of the supported browsers. The University of Worcester recommend using either [Google Chrome](#) or [Mozilla Firefox](#). Both browsers are freely available – we suggest downloading both, so you can switch to a different browser if you encounter any technical issues during a session.

[You can check what browser you are using here.](#)

The following combinations of browsers and operating systems reflect the areas of strongest support.

Browser*	Desktop/laptop	Mobile
Google Chrome	Windows 10, macOS 10.14+	Android 9+
Mozilla Firefox	Windows 10, macOS 10.14+	Not supported
Safari	macOS 10.14+	iOS 12+
Microsoft Edge	Windows 10, macOS 10.14+	Android, iOS

Blackboard was designed to work on Windows and Macintosh based systems. At this time, **Linux is not a supported operating system with Blackboard.**

## Additional Software and Plug-ins

Most of the materials you will be accessing in Blackboard will consist of web pages, Microsoft documents or Adobe Acrobat files. Below you will find a list of common file types that may be used in Blackboard. Contact [ict@learninginstitute.co.uk](mailto:ict@learninginstitute.co.uk) for guidance on downloading any required software.

Application	File Extensions
WinZip	.zip .rar
Adobe Acrobat Reader	.pdf
Microsoft Office/Open Office	.doc .docx .ppt .pptx .xls .xlsx .rtf .txt
Macromedia Shockwave Player	.fla .swa .swf
QuickTime	.mov .qt
Windows Media Player/VLC Media Player	.avi .vlc .wmv

## Additional hardware

The following hardware will support your learning throughout the degree.

Hardware	Essential	Desirable
Webcam	✓	
Microphone	✓	
Headset/headphones		✓
Printer		✓
Scanner		✓
Removable storage (e.g. USB stick)		✓

Please contact [ict@learninginstitute.co.uk](mailto:ict@learninginstitute.co.uk) for support with ICT issues.

Information adapted from:

[https://help.blackboard.com/Collaborate/Ultra/Administrator/About\\_Collaborate/Browser\\_Support](https://help.blackboard.com/Collaborate/Ultra/Administrator/About_Collaborate/Browser_Support)

<https://www.ohio.edu/oit/services/teaching/blackboard/help/system-requirements>