

## RECOMMENDED COMPUTER ENVIRONMENT

Computer Technical requirements may vary based on the programs and tools required in the class you are taking. Ensure access to your online courses by preparing your computer!

General computer/technology requirements for a typical online class at COCC are listed below. The instructor will provide further information if the course requires specific software or hardware.

View the Canvas Guide: [What are the browser and computer requirements for Canvas?](#)

<p><b>Operating systems</b></p>	<ul style="list-style-type: none"> <li>• Canvas only requires an operating system that can run the latest compatible web browsers. Your computer operating system should be kept up to date with the latest recommended security updates and upgrades.</li> <li>• Because it's built using web standards, Canvas runs on Windows, Mac, Linux, iOS, Android, or any other device with a modern web browser.</li> </ul>
<p><b>Internet/ Web browser</b></p>	<ul style="list-style-type: none"> <li>• A high-speed internet connection (cable, DSL or similar). It is recommended to have a minimum Internet speed of 512kbps.</li> <li>• For best performance, Canvas supports the current and first previous major releases of the following browsers (Click on each browser name for a free download):             <ul style="list-style-type: none"> <li>• <a href="#">Chrome</a> 91 and 92</li> <li>• <a href="#">Firefox</a> 89 and 90 (Extended Releases are not supported)</li> <li>• <a href="#">Edge</a> 91 and 92</li> <li>• <a href="#">Safari</a> 13 and 14 (Macintosh only)</li> </ul> </li> <li>• You should always use the most current version of your preferred browser. Your browser will notify you if there is a new version available.</li> </ul>
<p><b>Other software and hardware</b></p>	<ul style="list-style-type: none"> <li>• Word processing software (i.e. Microsoft Word)</li> <li>• Up-to-date <a href="#">Java</a> and <a href="#">Adobe Reader</a> (Click on each product name for free download)</li> <li>• Speakers to listen to the video audio</li> </ul> <p>NOTE: Microsoft Word or PDF are the recommended file formats for COCC writing assignments. If you use other word processing software</p>

	such as GoogleDoc or Pages, it is recommended you save the document in Microsoft Word or PDF format before you submit it.
<b>Mobile Devices</b>	<p>The Canvas interface was optimized for desktop displays, so using small form factors such as phones may not offer the most pleasant experience while using Canvas.</p> <p>For the best user experience, please download the Canvas mobile application. Search your mobile app store for the app “Canvas Student”. The Canvas mobile application require Android 6.0 or later and iOS 13.0 or later.</p> <p>Canvas offers limited support for native mobile browsers on tablet devices. For additional details, please reference the <a href="#">limited-support mobile browser guidelines</a>.</p> <p><u>Mobile Browsers:</u></p> <p>Visit the Apple store or the Play store to download mobile browsers. The following major browsers are compatible with mobile devices:</p> <p><u>iOS</u></p> <ul style="list-style-type: none"> <li>• Safari (default browser with limited Canvas support)</li> <li>• Chrome</li> </ul> <p><u>Android</u></p> <ul style="list-style-type: none"> <li>• Chrome (default browser with limited Canvas support)*</li> <li>• Internet</li> <li>• Firefox</li> </ul> <p>*Android default browser varies per mobile device.</p>

**Important!** As a part of an ongoing effort to strengthen our security posture, COCC will join the majority of public websites and begin eliminating support and access for the TLS 1.0 and 1.1 security protocols in December 2021. What this means for our students is that personal computers (PC/ MAC) with an operating system **prior to** Windows 10 or Sierra 10.12 will be unable to access online college resources (Canvas, Blackboard, Bobcat Web, etc.) **after December 27th, 2021**. While most major online companies stopped supporting these older protocols last year, if you are concerned that your computer may be impacted, you can test computer compatibility here: <https://clienttest.ssllabs.com/>