

Cengage web-based learning platforms require broadband internet access and supported web browsers and plugins.

## System Requirements

### Supported Browsers

#### Windows®

- Chrome™ 119 and later
- Firefox® 120 and later
- Edge 119 and later

#### macOS™

- Chrome 119 and later
- Safari® 15 and later

#### iOS

- Safari 16 or later (iPad only)

#### Note

Java™ content does not work on iOS.

LockDown Browser® assignments cannot be accessed on iOS.

Features and content are not optimized for a small screen size and might be difficult to use.

### Workstation Recommendations

- Download bandwidth: 5+ Mbps
  - Download bandwidth: 5+ Mbps/student
- The total lab bandwidth should be sufficient for the number of workstations.

For example,

30 workstations × 5 Mbps = 150 Mbps.

- RAM: 2+ GB
- CPU: 1.8+ GHz / multi-core
- Display: 1366 × 768, color
- Graphics: DirectX, 64+ MB
- Sound (for some content)

### Browser Settings

Configure the following settings in your web browser.

See your browser's help information for specific instructions.

- Allow cookies and pop-up windows for the following sites:

cengage.com and subdomains of cengage.com such as gateway.cengage.com and ciam.cengage.com  
webassign.net  
cengage.celebrus.com

Cengage uses an encrypted cookie file to authenticate your identity each time you give or request information like activities or grades. This helps to protect your information without requiring you to sign in repeatedly. The cookie is deleted when you sign out or close your browser.

#### Note

To allow pop-up windows, you might need to configure or turn off third-party extensions or toolbars in addition to your browser settings.

- Accept third-party cookies.  
Third-party cookies are used for authentication with some learning management systems (LMS) such as Blackboard.
- Allow JavaScript.

This is the default setting.

## Browser Plugins

Some content and tools might require the following browser plugins.

### Apple® QuickTime®

[support.apple.com/downloads/quicktime](https://support.apple.com/downloads/quicktime)

### Java

The JME tool requires Java, version 1.6.0 through 1.7.35.

The Java plugin is not supported in Chrome or Microsoft Edge. Use Safari or Firefox to access Java content and features.

[www.java.com/getjava](http://www.java.com/getjava)

### PDF Reader (Adobe Reader or Apple Preview)

Current versions of Chrome, Edge, Firefox, and Safari can display and print PDF files.

[get.adobe.com/reader](https://get.adobe.com/reader)

### Automatic Plugin Version Checking

When you sign in to WebAssign as a student, WebAssign checks your scheduled assignments for certain questions identified as requiring Java. If any of your assignments include these questions, your system is checked to see if you have the required plugin version installed.

#### Note

WebAssign does *not* perform a comprehensive check of all assignment questions to determine all plugin requirements. Questions created by instructors might require other plugins or plugin versions.

If you do not have the required plugin version installed, a warning is displayed on your Home and My Assignments pages informing you about the required plugin version.

Assignments with content requiring Java can be opened on an iPad, but the Java content will not be displayed.

## Check Your System

Use the browser check tool to see if you need to update your browser or install missing plugins.

### Browser Check

[ng.cengage.com/static/browsercheck/index.html](https://ng.cengage.com/static/browsercheck/index.html)

### Speed Check

[www.speedtest.net](http://www.speedtest.net)