### NEU Online Graduate Degree Programs
Technology Requirements

**Legend**
Certified: fully tested and supported.
Compatible: partially tested but should function properly.
Provisional: future technologies considered supported by Blackboard Support.
Unsupported: either impossible or not tested.

### Microsoft® Windows® Operating System

<table>
<thead>
<tr>
<th></th>
<th>Internet Explorer® 9</th>
<th>Internet Explorer 8</th>
<th>Firefox (Final Release Channel)</th>
<th>Firefox 3.6</th>
<th>Chrome (Stable Channel)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows® XP (32-bit)</td>
<td>Unsupported</td>
<td>Compatible</td>
<td>Compatible</td>
<td>Compatible</td>
<td>Compatible</td>
</tr>
<tr>
<td>Windows Vista® (32-bit)</td>
<td>Certified</td>
<td>Compatible</td>
<td>Certified</td>
<td>Compatible</td>
<td>Compatible</td>
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<tr>
<td>Windows Vista (64-bit)</td>
<td>Compatible</td>
<td>Compatible</td>
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<tr>
<td>Windows 7 (32-bit)</td>
<td>Certified</td>
<td>Compatible</td>
<td>Certified</td>
<td>Compatible</td>
<td>Certified</td>
</tr>
<tr>
<td>Windows 7 (64-bit)</td>
<td>Compatible</td>
<td>Compatible</td>
<td>Compatible</td>
<td>Compatible</td>
<td>Compatible</td>
</tr>
</tbody>
</table>

**Note:** Final Release/Stable Channel refers to versions that have been completed and "pushed" out for download by everyone.

### Apple® Mac OS® Operating System

<table>
<thead>
<tr>
<th></th>
<th>Safari® 5.0</th>
<th>Safari 4.0</th>
<th>Firefox (Final Release Channel)</th>
<th>Firefox 3.6</th>
<th>Chrome (Stable Channel)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mac OSX 10.5</td>
<td>Compatible</td>
<td>Compatible</td>
<td>Compatible</td>
<td>Compatible</td>
<td>Compatible</td>
</tr>
</tbody>
</table>
Mobile Devices

It's strongly recommended that designated Blackboard mobile application (below) be used to access your school's Blackboard portal (if applicable).

<table>
<thead>
<tr>
<th>iOS</th>
<th>Android</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Blackboard Mobile™ Learn</strong></td>
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</tbody>
</table>

Additonal Software Requirements

- Adobe Acrobat Reader - available at: [Adobe Acrobat Reader](http).
- Flash Player - available at: [Flash Player](http).

General Information

- Blackboard strives to make all its products as accessible as possible. JAWS (a screen reader) for Windows 11 and 12 were used during accessibility testing.
- The following technologies are not supported:
  - Internet Explorer 6 and Internet Explorer 7
  - Firefox 1.x, 2.0, 3.0, and 3.5
  - Safari 2.0, 3.x (or any version on Windows)
  - Mac OSX 10.4 "Tiger"
  - Java 5
- [Internet Explorer 8](http://www.microsoft.com) and [Internet Explorer 9](http://www.microsoft.com) are tested in Standards Mode. Some known issues can be resolved by using Compatibility Mode (emulates IE7 behavior).
- Both [Google Chrome](http://www.chrome.com) and [Mozilla Firefox](http://www.mozilla.com) have moved to a rapid release cycle. At the time of testing, Chrome 13.0 and Firefox 6.0 were the latest available versions. Since then, new stable versions may have been released and widely adopted. Blackboard is supporting all newer stable versions of Chrome and Firefox.
- **Internet Connectivity**: Reliable Internet availability from home via an Internet Service Provider (ISP) is required. Internet access at work may not allow enough time to complete required
assignments. "Firewalls" may impede access to online courses from work and also from home.

- **Javascript** must be enabled on your browser.

**Mixed Content**

Browsers (Internet Explorer, Chrome) will display an "insecure content" or "mixed content" security notification if you try to load mixed content that is external to Blackboard. (e.g., embedded Youtube videos).

**Workaround:** Northeastern's Blackboard is running as a secure server ([https URL](https://)). Modern browsers now warn if you are trying to load mixed content within a secure page.

More information:

- Google Chrome mixed-content warning - [http://support.google.com/chrome/bin/answer.py?hl=en&answer=1342714](http://support.google.com/chrome/bin/answer.py?hl=en&answer=1342714)

**More on Mixed Content**

Chrome (v21) browser now has a more subtle warning about "mixed content." This may cause students to be unaware of the issue when trying to view external content within Blackboard (e.g., embedded Youtube videos).

Chrome (v21) now uses a shield icon 🔄 to warn you "This page has mixed content." You need to click on the shield icon to display the "mixed content" warning and get the option to allow the content to load.

More information:

- Google Chrome mixed content warning - [http://support.google.com/chrome/bin/answer.py?hl=en&answer=1342714](http://support.google.com/chrome/bin/answer.py?hl=en&answer=1342714)