## University of Massachusetts Medical School
### Student Laptop Requirements
#### Bring Your Own Device (BYOD)

### System Requirements

<table>
<thead>
<tr>
<th>Feature</th>
<th>Windows</th>
<th>Mac</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Processor</strong></td>
<td>Core i5 or higher</td>
<td></td>
</tr>
<tr>
<td><strong>Screen Size</strong></td>
<td>13” or larger</td>
<td></td>
</tr>
<tr>
<td><strong>Memory</strong></td>
<td>8 GB RAM</td>
<td>16 GB RAM recommended</td>
</tr>
<tr>
<td><strong>Screen Sharing</strong></td>
<td>Accommodate VGA or HDMI</td>
<td></td>
</tr>
<tr>
<td><strong>Ethernet</strong></td>
<td>4’ or longer (built-in or adapter based)</td>
<td></td>
</tr>
<tr>
<td><strong>Wireless</strong></td>
<td>Wireless capability must be built-in</td>
<td></td>
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<tr>
<td><strong>Video/Audio</strong></td>
<td>Webcam, Speaker/mic</td>
<td></td>
</tr>
<tr>
<td><strong>Laptop Warranty</strong></td>
<td>Recommended 3 years (parts and labor)</td>
<td></td>
</tr>
</tbody>
</table>

### Security Requirements

<table>
<thead>
<tr>
<th>Feature</th>
<th>Windows</th>
<th>Mac</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Operating System</strong></td>
<td>Microsoft Windows 10 Education or Enterprise version 1809 or later</td>
<td>MacOS 10.15 (Catalina) or later</td>
</tr>
<tr>
<td><strong>Anti-Virus</strong></td>
<td>All laptops must have up to date anti-virus software installed and activated.</td>
<td></td>
</tr>
<tr>
<td><strong>Encryption</strong></td>
<td>Microsoft BitLocker information and instructions may be found <a href="#">here</a></td>
<td>Recommend that you encrypt your Mac with FileVault: <a href="#">here</a></td>
</tr>
<tr>
<td><strong>Screensaver</strong></td>
<td>Screen Saver Settings</td>
<td>Review entire <a href="#">article</a> for steps how to require password.</td>
</tr>
<tr>
<td><strong>Unique Computer Name</strong></td>
<td>Windows computer name support</td>
<td>Mac computer name support</td>
</tr>
</tbody>
</table>

**Feature:**
- Processor: Core i5 or higher
- Screen Size: 13” or larger
- Memory: 8 GB RAM, 16 GB RAM recommended
- Screen Sharing: Accommodate VGA or HDMI
- Ethernet: 4’ or longer (built-in or adapter based)
- Wireless: Wireless capability must be built-in
- Video/Audio: Webcam, Speaker/mic
- Laptop Warranty: Recommended 3 years (parts and labor)

**Operating System:**
- Microsoft Windows 10 Education or Enterprise version 1809 or later
- Note: Windows Home or any version of Windows 7 are incompatible with many classroom applications.
- MacOS 10.15 (Catalina) or later

**Anti-Virus:**
- All laptops must have up to date anti-virus software installed and activated.
- Microsoft Windows 10 comes with Microsoft Defender.
- Additional virus protection options:
  - Avast
  - Cisco
  - Avira
  - Bitdefender
- MacOS 10.15 (Catalina) comes with enhanced security and virus protection.
- Additional virus protection options:
  - Avast
  - Bitdefender
  - Sophos

**Encryption:**
- All laptops accessing the Medical School’s network and data must have full disk encryption installed and activated
- Microsoft BitLocker information and instructions may be found [here](#)
- Recommend that you encrypt your Mac with FileVault: [here](#)

**Screensaver:**
- Configure to start between 10 and 15 minutes.
- Must require a password after a minimum of 5 minutes.
- Select “On Resume, display login screen.”

**Unique Computer Name**
- Windows computer name support
- Mac computer name support