Getting Hardware
University Computer Guidelines and Specifications

Desktop Specifications

The lists below provide the minimum recommended specifications for computers purchased for personal, business and home use. They are separated into minimum recommendation for a new computer and acceptable minimum existing computer. Remember, computers bought for university use must have the recommended three year warranty.

Student, Staff & Faculty Personal Desktop Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>New Computer Recommended Min.</th>
<th>Acceptable Existing Computers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor</td>
<td>7th Gen Intel Quad i5/i7 (1.8Ghz, 6M) or AMD equiv</td>
<td>7th Gen Intel i3/i5 (3.0 Ghz) or AMD equiv</td>
</tr>
<tr>
<td>Memory</td>
<td>8/16 GB (64 bit OS)</td>
<td>6 GB (64 bit OS)</td>
</tr>
<tr>
<td>Hard Drive</td>
<td>256/512 GB Solid State Drive</td>
<td>500 GB 7200 RPM Drive</td>
</tr>
<tr>
<td>Video Card</td>
<td>2/4 GB or higher</td>
<td>2 GB or higher</td>
</tr>
<tr>
<td>Monitor</td>
<td>22&quot; LED Wide screen</td>
<td>20&quot; LCD Flat Panel or larger</td>
</tr>
<tr>
<td>Media Drive</td>
<td>SD Media Card Reade (Optional)</td>
<td>8x DVD +/- RW</td>
</tr>
<tr>
<td>Operating System</td>
<td>Windows 10 Home/Pro 64Bit</td>
<td>Windows 8.1 Home/Pro</td>
</tr>
<tr>
<td>LAN</td>
<td>Gigabit Ethernet LAN</td>
<td>Gigabit Ethernet LAN</td>
</tr>
<tr>
<td>Warranty</td>
<td>3 year warranty</td>
<td></td>
</tr>
</tbody>
</table>

Note: Student warranties should cover the students expected stay at the university and have provisions for an expedient turn around should repairs be needed.

Last Updated 8/2018

University PC Desktop Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>New Computer Recommended Min.</th>
<th>Acceptable Existing Computers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor</td>
<td>7th Gen Intel Quad Core i5/i7 (1.8 Ghz) or AMD equiv</td>
<td>7th Gen Intel Dual Core i5 (3.4 Ghz) or AMD equiv</td>
</tr>
<tr>
<td>Memory</td>
<td>8/16 GB (64 bit OS) Higher w/CAD</td>
<td>6 GB (64 bit OS)</td>
</tr>
<tr>
<td>Hard Drive</td>
<td>256/512 GB SSD</td>
<td>500 GB Hybrid Drive</td>
</tr>
<tr>
<td>Video Card</td>
<td>2 GB (or higher) for dual Monitors</td>
<td>2 GB or higher</td>
</tr>
</tbody>
</table>

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URL: https://it-faq.fit.edu/it_faq/content/10/59/en/university-computer-guidelines-and-specifications.html
### Getting Hardware

<table>
<thead>
<tr>
<th>Item</th>
<th>New Computer Recommended Min.</th>
<th>Acceptable Existing Computer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor</td>
<td>3.4 Ghz quad-core Intel i5</td>
<td>2.7 GHz Dual Core Intel i5</td>
</tr>
<tr>
<td>Memory</td>
<td>8/16 GB</td>
<td>8 GB</td>
</tr>
<tr>
<td>Hard Drive</td>
<td>1TB Fusion Drive</td>
<td>500 GB SATA HDD</td>
</tr>
<tr>
<td>Video Card</td>
<td>Intel Iris Plus Graphics</td>
<td>Intel Iris Pro Graphics</td>
</tr>
<tr>
<td>Monitor</td>
<td>21.5/27&quot; LED Panel</td>
<td>21.5&quot; LCD Panel</td>
</tr>
<tr>
<td>Media Drive</td>
<td>Apple USB SuperDrive</td>
<td>Super Drive</td>
</tr>
<tr>
<td>Operating System</td>
<td>Mac OS X &quot;High Sierra&quot;</td>
<td>Mac OS X &quot;Sierra&quot;</td>
</tr>
<tr>
<td>LAN</td>
<td>Gigabit Ethernet LAN</td>
<td>Gigabit Ethernet LAN</td>
</tr>
<tr>
<td>Warranty</td>
<td>3 yr Apple Care warranty</td>
<td>3 yr Apple Care warranty</td>
</tr>
</tbody>
</table>

**Note:** All Computers, laptops, iPads, tablets and like items must be purchased with a Purchase Order. See section 3 of the Purchasing Procurement Card User Guide Sub section 3.6 Limitations On All Cards. [PCard Users Guide](https://it-faq.fit.edu/it_faq/content/10/59/en/university-computer-guidelines-and-specifications.html) Also note that systems for university use **must** have a three (3) year warranty.

Last Updated 8/2018

### Apple Desktop Specifications- iMac

(For both University use and Personal computers)

<table>
<thead>
<tr>
<th>Item</th>
<th>New Computer Recommended Min.</th>
<th>Acceptable Existing Computer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor</td>
<td>3.4 Ghz quad-core Intel i5</td>
<td>2.7 GHz Dual Core Intel i5</td>
</tr>
<tr>
<td>Memory</td>
<td>8/16 GB</td>
<td>8 GB</td>
</tr>
<tr>
<td>Hard Drive</td>
<td>1TB Fusion Drive</td>
<td>500 GB SATA HDD</td>
</tr>
<tr>
<td>Video Card</td>
<td>Intel Iris Plus Graphics</td>
<td>Intel Iris Pro Graphics</td>
</tr>
<tr>
<td>Monitor</td>
<td>21.5/27&quot; LED Panel</td>
<td>21.5&quot; LCD Panel</td>
</tr>
<tr>
<td>Media Drive</td>
<td>Apple USB SuperDrive</td>
<td>Super Drive</td>
</tr>
<tr>
<td>Operating System</td>
<td>Mac OS X &quot;High Sierra&quot;</td>
<td>Mac OS X &quot;Sierra&quot;</td>
</tr>
<tr>
<td>LAN</td>
<td>Gigabit Ethernet LAN</td>
<td>Gigabit Ethernet LAN</td>
</tr>
<tr>
<td>Warranty</td>
<td>3 yr Apple Care warranty</td>
<td>3 yr Apple Care warranty</td>
</tr>
</tbody>
</table>

**Note:** ALL Apple Computers for University use **must** include the Apple Care Warranty.

Last Updated 8/2018

### Notebook/Laptop Specifications

The lists below provide the minimum recommended specifications for computers purchased for personal, business and home use. They are seperated into minimum recommendation for a new computer and acceptable minimum existing computer. Remember, computers bought for university use **must** have the recommended

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Getting Hardware

three year warranty.

Student, Staff and Faculty Personal Notebooks

<table>
<thead>
<tr>
<th>Item</th>
<th>New Computer Recommended Min.</th>
<th>Acceptable Existing Computers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor</td>
<td>7th Gen Intel i5 Quad Core, 1.7 GHz (or AMD Equiv)</td>
<td>7th Gen Intel Dual Core i5 (or AMD Equiv)</td>
</tr>
<tr>
<td>Memory</td>
<td>8/16 GB (64 Bit OS)</td>
<td>6 GB</td>
</tr>
<tr>
<td>Hard Drive</td>
<td>256/512 GB SSD Drive</td>
<td>500 GB SATA Drive</td>
</tr>
<tr>
<td>Media Drive</td>
<td>SD Media Card Reader (Optional)</td>
<td>8 DVD +/-RW</td>
</tr>
<tr>
<td>Operating System</td>
<td>Windows 10/8.1 Home or Professional (64 bit)</td>
<td>Windows 8.1 Home/Pro (64 bit)</td>
</tr>
<tr>
<td>LAN</td>
<td>Gigabit Ethernet LAN</td>
<td>Gigabit Ethernet LAN</td>
</tr>
<tr>
<td>Wireless LAN</td>
<td>802.11 ac w/Bluetooth 4.2</td>
<td>802.11 a/b/g/n WLAN</td>
</tr>
<tr>
<td>Warranty</td>
<td>3 year warranty</td>
<td></td>
</tr>
</tbody>
</table>

Last Updated 8/2018

University Notebooks

<table>
<thead>
<tr>
<th>Item</th>
<th>New Computer Recommended Min.</th>
<th>Acceptable Existing Computers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor</td>
<td>7th Gen Intel i5 Quad Core, 1.7 Ghz (or AMD Equiv)</td>
<td>7th Gen Intel Dual Core i5-2.60Ghz (or AMD Equiv)</td>
</tr>
<tr>
<td>Memory</td>
<td>8 GB (64 Bit OS)</td>
<td>6 GB</td>
</tr>
<tr>
<td>Hard Drive</td>
<td>256/512 GB Hybrid Drive</td>
<td>500 GB SATA Drive</td>
</tr>
<tr>
<td>Media Drive</td>
<td>16x DVD +/- RW</td>
<td>8x DVD +/-RW</td>
</tr>
<tr>
<td>Operating System</td>
<td>Windows 10 (64 bit) Professional/Enterprise</td>
<td>Windows 8.1 Ent. (64 Bit)</td>
</tr>
</tbody>
</table>
## Getting Hardware

<table>
<thead>
<tr>
<th>LAN</th>
<th>Gigabyte Ethernet LAN</th>
<th>10/100 Ethernet LAN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wireless LAN</td>
<td>802.11 ac w/Bluetooth 4.2</td>
<td>802.11 a/b/g/ WLAN</td>
</tr>
</tbody>
</table>

**Warranty** 3 year warranty

**Note:** All desktops, laptops, iPads, tablets and like items cannot be purchased with a purchase card. These items must be purchased with a Purchase Order. See section 3 of the Purchasing Procurement Card User Guide Sub section 3.6 Limitations On All Cards. [PCard Users Guide](#) Also note that systems for university use must have a minimum three (3) year warranty.

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**Last Updated 8/2018**

### Apple Notebooks

(For both University use and Personal computers)

<table>
<thead>
<tr>
<th>Item</th>
<th>New Computer Recommended Min.</th>
<th>Acceptable Existing Computers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor</td>
<td>1.3 Ghz dual-core Intel Core i5</td>
<td>2.5Ghz dual-core Intel Core i3</td>
</tr>
<tr>
<td>Memory</td>
<td>8 GB 1866Mhz</td>
<td>8 GB 1600Mhz</td>
</tr>
<tr>
<td>Hard Drive</td>
<td>256GB PCIe-based SSD</td>
<td>128GB PCIe-based flash storage</td>
</tr>
<tr>
<td>Media Drive</td>
<td>External USB-C Media Drive</td>
<td>USB Super drive</td>
</tr>
<tr>
<td>Operating System</td>
<td>Mac OS X &quot;High Sierra&quot;</td>
<td>Mac OS X &quot;Sierra&quot;</td>
</tr>
<tr>
<td>LAN</td>
<td>USBC to Ethernet Adapter</td>
<td>Thunderbolt Ethernet LAN</td>
</tr>
<tr>
<td>Wireless LAN</td>
<td>802.11ac w/Bluetooth 4.0</td>
<td>802.11 a/b/g WLAN</td>
</tr>
<tr>
<td>Warranty</td>
<td>3 year Apple Care warranty</td>
<td>3 year Apple Care warranty</td>
</tr>
</tbody>
</table>

**Note:** All Computers for University use must include the Apple Care Warranty

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**Last Updated 8/2018**

### Tablets

<table>
<thead>
<tr>
<th>Item</th>
<th>Tablet Recommended</th>
</tr>
</thead>
</table>

---
Getting Hardware

<table>
<thead>
<tr>
<th>Item</th>
<th>Min.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor</td>
<td>1.8 GHz</td>
</tr>
<tr>
<td>Memory</td>
<td>2 GB (4GB recommended)</td>
</tr>
<tr>
<td>Storage</td>
<td>32 GB</td>
</tr>
<tr>
<td>Screen</td>
<td>10.1&quot; 1920x1080 pixels</td>
</tr>
<tr>
<td>Operating System</td>
<td>Most current OS for model chosen</td>
</tr>
<tr>
<td>Optical Drive</td>
<td>None</td>
</tr>
<tr>
<td>Wi-Fi Interface</td>
<td>802.11 a/b/g/n</td>
</tr>
<tr>
<td>Camera</td>
<td>8 MP</td>
</tr>
<tr>
<td>Warranty</td>
<td>1 year warranty</td>
</tr>
</tbody>
</table>

**Note:** Tablets for University use must include at least a 2 year Warranty and can be acquired via credit card if the price is $299 and below. All items higher **must** be done via a purchase order. See Information Technology Guidelines, Procedure 104A, sub section, Computer Purchase Exceptions.

Last Updated 8/2018

**iPads**

<table>
<thead>
<tr>
<th>Item</th>
<th>New Computer Recommended Min.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor</td>
<td>A10 chip/64-bit</td>
</tr>
<tr>
<td>Storage</td>
<td>32 GB</td>
</tr>
<tr>
<td>Screen</td>
<td>Depends on Model chosen</td>
</tr>
<tr>
<td>Wi-Fi Interface</td>
<td>802.11ac with MIMO w/Bluetooth 4.2</td>
</tr>
<tr>
<td>Warranty</td>
<td>2 year warranty</td>
</tr>
<tr>
<td>Carrier</td>
<td>Choice (University-AT&amp;T)</td>
</tr>
</tbody>
</table>

**Note:** Ipads for University use **must** include the 2 year Apple Care Warranty and be acquired via a purchase order.

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Author: Tech Support
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