**Pharmacy Technology Program**  
For Professional Phase Pharmacy Students

<table>
<thead>
<tr>
<th><strong>Minimum Hardware Requirements (can be exceeded)</strong></th>
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<tr>
<td><strong>Input Device:</strong></td>
<td>Integrated digital stylus/pen that allows for the input of digital handwriting is required. A capacitive touch pen/stylus mimics a fingertip and is not acceptable, as they cannot draw precisely enough for Pharmacy related tasks such as annotations, calculations, and drawing chemical structures.</td>
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<td><strong>Processor:</strong></td>
<td>Intel Core Series or Atom</td>
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<td><strong>Memory (RAM):</strong></td>
<td>4 GB minimum (8 GB or more recommended)</td>
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<td><strong>Physical Storage:</strong></td>
<td>128 GB (250 GB recommend)</td>
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<td><strong>Ports:</strong></td>
<td>USB, SD or MicroSD</td>
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| **Wireless/Network Card:** | Wireless: Dual Band 802.11n/ac  
Wired: Ethernet Card (optional) |
| **Webcam:** | Built-in or External |
| **Operating System:** |  
**Convertible Tablet PC:**  
- Windows 7 or Windows 8 Home Premium or Professional, 64-bit version, Windows 10  
**Dedicated Tablet:**  
- Windows 8 or Windows 8 Pro (Avoid Windows RT), Windows 10 |
| **Backup Storage:** | External USB Hard Drive (500 GB minimum recommended) |
| **Optical Drive:** | DVD-ROM/DVD-RW (optional) |
| **Warranty:** | It is recommended to purchase a warranty that matches the length of time you anticipate utilizing the device. |

**Devices That Are Not Acceptable:**  
Dedicated Tablets running Windows RT or Android operating systems, Chromebooks, Mac laptops, iOS devices (iPads), or any device that is touch screen only.
Devices Meeting the Pharmacy Technology Program Minimum Hardware Requirements:

**Option 1: Convertible Tablet PC**
A convertible laptop is much like a regular laptop with an integrated keyboard, touch pad, and onboard ports/peripherals, but the screen swivels around to convert it into tablet mode. Most devices support touch input along with the integrated stylus/pen input.

**Examples of Option 1 Devices:**
(Note: these are only examples and are in no way recommendations)

- Lenovo ThinkPad Yoga 370
- Lenovo ThinkPad X1 Yoga (2nd Gen)
- Lenovo ThinkPad P40 Yoga Mobile Workstation
- Fujitsu Lifebook P727 Advanced Folder Convertible Tablet PC
- Fujitsu Lifebook T726 Tablet PC
  - Make sure to choose the model with the optional Dual Digitizer feature, NOT Touchscreen Only.
- Fujitsu Lifebook T936 Convertible Ultrabook
- Fujitsu Lifebook T937 Premium Swivel Convertible Tablet PC
- HP Spectre x360 Convertible Laptop 13-ac075nr
- HP Spectre x360 Convertible Laptop 13-ac076nr
- Toshiba Portégé Z20T laptop

**Please Note:**
Many of the convertible laptops/ultrabooks are touch screen only and do not have an integrated stylus/pen. **Be sure it has an integrated digital stylus/pen!**
Devices Meeting the Pharmacy Technology Program Minimum Hardware Requirements:

Option 2: Dedicated Tablet
A dedicated tablet is a standalone device that requires an external keyboard/touch pad/mouse and may or may not have onboard ports. Some devices have external docks/sleeves that provide the device with additional ports and battery life. Most support touch input along with the integrated stylus/pen input.

Examples of Option 2 Devices:
(Note: these are only examples and are in no way recommendations)
- Microsoft Surface Pro 4
  - Surface Pro 4 Type Cover (sold separately)
- Microsoft Surface Book
- Lenovo ThinkPad X1 Tablet
- ThinkPad X1 Tablet 2nd Gen
- Fujitsu Stylistic Q736 Advanced Hybrid Tablet PC
  - Keyboard Docking Station (sold separately)
- HP Spectre x2 - 12-c052nr

Please Note:
Many of the dedicated tablets are touch screen only and do not have an integrated stylus/pen. **Be sure it has an integrated digital stylus/pen!**