**Minimum Workstation Standards:**
As of 5/16/13

**Intel PC Desktop Minimum Requirements**
1. **Warranty:** 3 Year Warranty for computer & monitor covering parts & labor required. 4 or 5 year recommended.
2. **Processor:** 64 bit Intel i5 (dual core) or newer. Quad core recommended for intensive Video, Audio, or Graphics editing.
3. **Monitor:** 21.5 inch LCD or larger
4. **Memory:** 4 GB minimum configured as a single 4GB memory stick or 2 2GB memory sticks. 8 GB recommended for intensive Video, Audio, or Graphics editing.
5. **Graphics:** Supporting at least 1280 X 1024 resolution.
6. **NIC:** 100 BASE-T or faster.
7. **Hard Drive:** 500 GB 7200 RPM, not 5400 RPM. 2nd hard drive recommended at least as large as first to be used for backups or RAIDed configuration for data integrity. 250 GB or larger Solid State Hard Drive optional.
8. **Optical Drive:** Optional choose a DVD-RW/CD-RW combo. Blu-Ray NOT recommended unless it is R/W backwards compatible with DVD-RW.
9. **Surge Protector:** Surge Protector or UPS with 10 min minimum operational time: Recommended
10. **Mouse/keyboard:** USB wired mouse/keyboard recommended. Wireless mouse/keyboard not recommended.
11. **USB:** USB 3.0 Recommended if using external Hard Drive.

**Apple Mac Desktop Minimum Requirements (iMac, Mac Mini)**
1. **Warranty:** Apple Care (3 year extended warranty) required
2. **OS:** Windows as the primary OS is not recommended. This is due to Apple’s lack of support for drivers.
3. **Processor:** 64 bit i5
4. **Memory:** 4 GB RAM configured as a single 4GB memory stick or 2 2GB memory sticks. 8 GB recommended for intensive Video, Audio, or Graphics editing.
5. **Hard Disk:** 500 GB 7200 RPM strongly recommended. 5400 RPM discouraged due to low performance. External drive at least twice the internal drive size recommended for Time Machine backups.
6. **Optical Drive:** DVD-RW/CD-RW combo. Blu-Ray NOT recommended unless it is R/W backwards compatible with DVD-RW.
7. **Monitor:** 21.5 inch recommended.
8. **Keyboard/Mouse/Trackpad:** Any Apple brand Keyboard, Mouse, or Trackpad.
9. **Surge Protector:** Surge Protector or UPS with 10 min minimum operational time: Recommended
10. **USB:** USB 3.0 Recommended if using external Hard Drive.
Intel Minimum Notebook System (This is for a travel laptop. Laptops used as a primary workstation should match the desktop specifications as closely as possible.)

1. **Warranty**: 3 Year Warranty covering parts & labor required.
2. **Processor**: 64 bit Intel i5 or newer.
3. **Memory**: 4 GB RAM. 8 GB recommended for intensive Video, Audio, or Graphics editing.
4. **Video Out**: VGA port or VGA adapter required for smart classroom use.
5. **NIC**: integrated ethernet NIC or USB NIC adapter
6. **Hard Disk**: 7200 RPM required. SSD at least 250 GB optional. 5400 RPM strongly discouraged due to low performance. Encryption recommended (required if the computer will hold protected level data of any kind).
7. **Optical Drive**: Optional Blu-Ray NOT recommended unless it is R/W backwards compatible with DVD-RW.
8. **Display**: Any size with 1024 x 768 resolution or higher.
9. **Docking Station**: Not recommended unless laptop is mainly used as your primary desktop workstation.
10. **Wireless**: 802.11n or better
11. **Battery**: Minimum of a 9 cell battery.
12. **Accessories**: Laptop bag (shoulder strap, padded on all sides) [optional]; second battery and second charger (i.e. Igo.com Juice-multi charger) [optional]; external USB keyboard and mouse [optional]; mini USB hub [optional]
13. **USB**: USB 3.0 Recommended if using external Hard Drive.

Apple MacBook Laptop Minimum Requirements (Pro, Air)

1. **Warranty**: Apple Care (3 year extended warranty) required.
2. **Processor**: 64 bit i5 or newer.
3. **Memory**: 4 GB RAM. 8 GB recommended for intensive Video, Audio, or Graphics editing.
4. **Ethernet**: Apple External Ethernet Adapter (USB or Thunderbolt) required for all Mac Laptops that do not include built in Ethernet such as all MacBook Airs.
5. **Hard Disk**: 7200 RPM or SSD required. 5400 RPM strongly discouraged due to low performance. Encryption recommended (required if the computer will hold protected level data of any kind). External drive at least twice the internal drive size recommended for Time Machine backups.
6. **Optical Drive**: Recommended if the laptop is the only Macintosh. Blu-Ray NOT recommended unless it is R/W backwards compatible with DVD-RW.
7. **Display**: Any Size
8. **Video**: Mini DisplayPort to VGA Adapter required for smart classroom use.
9. **Accessories**: Laptop bag (optional); security cable/lock (optional), not available on Air.
10. **USB**: USB 3.0 Recommended if using external Hard Drive.
Open Labs

1. **Warranty:** 3 Year Warranty for computer & monitor covering parts & labor required. 4 or 5 year recommended.
2. **Processor:** 64 bit i5 or newer
3. **Memory:** 4 GB RAM; 8 GB recommended for intensive Video, Audio, or Graphics editing.
4. **Graphics Board:** at least 1280 X 1024 resolution.
5. **NIC:** 10/100 BASE-T
6. **Hard Disk:** 7200 RPM required. SSD at least 250 GB optional. 5400 RPM strongly discouraged due to low performance.
7. **Optical Drive:** Optional
8. **USB:** At least two (2) front panel ports required; four ports or more recommended.
9. **Monitor:** 19” LCD Display or larger.
10. **Keyboard:** USB
11. **Mouse:** Optical (USB recommended, wheel mouse recommended)
12. **Surge Protector:** Capable of EMI/RFI filtering or UPS with minimum of 10 minutes operational time.
13. **PC Locking System:** The locking system should provide a quickly assembled, strong form of protection for the CPU case and monitor. The locking system should attach to the CPU case, the monitor, other peripherals and the desk or workstation. The locking system should contain some of the following:
   - Vinyl coated steel cable 3/16 inch diameter and at least 3 feet long.
   - A case hardened padlock with one inch to one and a fourth (1-1/4) inch shackle.
   - Security plates and adhesive as necessary.
   - Screw on brackets that attach to an existing screw hole on the CPU case as necessary.
14. **USB:** USB 3.0 Recommended if using external Hard Drive.