

# 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

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

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

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#### University PC Desktop Specifications

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

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	4 GB or higher if running Auto CAD	
Monitor	22" LED Wide screen	20" wide screen LCD or larger
Media Drive	SD Media Card Reader (Optional)	8x DVD +/- RW
Operating System	Windows 10 Enterprise	Windows 8.1 Pro (64 bit)
LAN	Gigabit Ethernet LAN	Gigabit Ethernet LAN
Warranty	3 year warranty	3 year warranty

**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](#) Also note that systems for university use **must** have a three (3) year warranty.

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## Apple Desktop Specifications- IMac

(For both University use and Personal computers)

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

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

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## Notebook/Laptop 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

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three year warranty.

## Student, Staff and Faculty Personal Notebooks

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

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## University Notebooks

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

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LAN	Gigabyte Ethernet LAN	10/100 Ethernet LAN
Wireless LAN	802.11 ac w/Bluetooth 4.2	802.11 a/b/g/ WLAN
Warranty	3 year warranty	3 year warranty
<p><b>Note:</b>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. <a href="#">PCard Users Guide</a> Also note that systems for university use <b>must</b> have a minimum three (3) year warranty.</p>		

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## Apple Notebooks

(For both University use and Personal computers)

Item	New Computer Recommended Min.	Acceptable Existing Computers
Processor	1.3 Ghz dual-core Intel Core i5	2.5Ghz dual-core Intel Core i3
Memory	8 GB 1866Mhz	8 GB 1600Mhz
Hard Drive	256GB PCIe-based SSD	128GB PCIe-based flash storage
Media Drive	External USB-C Media Drive	USB Super drive
Operating System	Mac OS X "High Sierra"	Mac OS X "Sierra"
LAN	USBC to Ethernet Adapter	Thunderbolt Ethernet LAN
Wireless LAN	802.11ac w/Bluetooth 4.0	802.11 a/b/g WLAN
Warranty	3 year Apple Care warranty	3 year Apple Care warranty
<p><b>Note:</b> AllComputers for University use <b>must</b> include the Apple Care Warranty</p>		

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## Tablets

Item	Tablet Recommended
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	Min.
Processor	1.8 GHz
Memory	2 GB (4GB recommended)
Storage	32 GB
Screen	10.1" 1920x1080 pixels
Operating System	Most current OS for model chosen
Optical Drive	None
Wi-Fi Interface	802.11 a/b/g/n
Camera	8 MP
Warranty	1 year warranty
<p><b>Note:</b> 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 <b>must</b> be done via a purchase order. See Information Technology Guidelines, Procedure 104A, sub section, Computer Purchase Exceptions.</p>	

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## iPads

Item	New Computer Recommended Min.
Processor	A10 chip/64-bit
Storage	32 GB
Screen	Depends on Model chosen
Wi-Fi Interface	802.11ac with MIMO w/Bluetooth 4.2
Warranty	2 year warranty
Carrier	Choice (University-AT&T)
<p><b>Note:</b> Ipads for University use <b>must</b> include the 2 year Apple Care Warranty and be acquired via a purchase order.</p>	

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