Information Technology & Management Notebook Computer Specifications

Students enrolled in Information Technology & Management (ITM) degrees after Spring 2016 are required to own a notebook computer. The standards below reflect specifications for notebook computers for use by ITM students; each category is broken down into recommended, minimum and, where applicable, optional specifications. Your system may run **any** operating system but must be able to run Microsoft Windows 10 Professional or Windows 11 Professional as the primary operating system or as a secondary (dual-boot) operating system or as a virtual machine using virtualization software. These are specifications you must meet if you are purchasing a notebook computer for use in our program. If you have questions about these specifications, please contact Ray Trygstad, trygstad@iit.edu or 630.447.9009.

ITEM	RECOMMENDED	MINIMUM	OPTIONAL/OPTIMAL
Processor (CPU)	8 th Gen or later Intel Core i7 AMD Ryzen 5 or later	8 th Gen or later Intel Core i5 AMD A8	Intel Core i9 or 12 th Gen i7 AMD Ryzen 6000 series
	orun virtualization software adequately v ple-designed M-1 chip must have Paralle		
RAM Memory	16GB or greater	8GB	16GB RAM is optimal to run Windows 10/11 & virtualization
♦ 16GB or more of RAM is	s highly desirable.		·
Operating System	Microsoft Windows 10 Education (64 bit)	Microsoft Windows 10 Professional (64 bit)	Linux or BSD Unix version, Windows 11, Apple MacOS
 Linux or Solaris notebook Depending on your council Education is required. Microsoft and Linux soft Professional as a mining complete version of Wir 	run Canonical Multipass or Universal Turi ks must have Xen, KVM, or VMware Workstati urse you may also be able to run Microsol tware is available at no cost to all ITM stuc num standard. Windows 10 Education and ndows. Windows Home versions will not su ariants Kubuntu, Linux Mint, and Pinguy, a	ion installed allowing running of Micro ft Hyper-V on Windows 10 or 11, wh dents but you should purchase a sys l Windows 11 Education is available upport all software or OS functions y	soft operating systems. hich is why Windows Professional or tem that will support Windows 10 free to all ITM students and is the most you will need in our curriculum.
Hard Drive	1TB	500GB	SSD – 500GB or 1TB 7200 RPM hard drive(s)
Optical drive (May be external)	Neither required or expected		24x CD-RW/DVD-R or Blu-Ray / Blu-Ray-R
Floppy drive	Neither required or expected		3.5 inch 1.44MB
Graphics card	1GB or greater, 24-bit color	256MB 24-bit color	
Display resolution	WUXGA 1920x1200	FHD 1920x1080	WQUXGA 3840x2400
Wireless Network	IEEE 802.11ac (Wi-Fi 5) (WPA2- Enterprise support required)	IEEE 802.11g/n (WPA2- Enterprise support required)	Integral 4G or 5g Wireless 802.11ax (Wi-Fi 6)/802.11be (Wi-Fi 7)
•	1000Base-T (gigabit) ethernet PCs sold today include a gigabit (1000Bas 5 gigabit ethernet) or 5GBASE-T (5 gigabi	•	
Peripheral Ports	2 USB-3 / 1 USB-2 or USB-C; HDMI or Display Port or USB-C video connector	1 USB-2; RGB video connector	IEEE 1394 (FireWire) 3 USB-3 / USB-3.1 / USB-3.2 eSATA
	LibreOffice e for free at http://www.libreoffice.org/		
<u>'</u>	osoft 365 which includes Microsoft Office fo	or Windows or OSX may is available	
	including all current updates nich is free from Microsoft, is recommende without installed anti-virus software.	ed as a minimum. You may not ope	Optional on Mac/Linux wrate any version of Microsoft Windows on

Convertible or "2-in-1" systems such as the Microsoft Surface, Dell Inspiron or Dell Latitude, Lenovo Thinkpad Yoga or Lenova Yoga, Acer Aspire, or Toshiba Satellite Radius that comply with these specifications are acceptable. Students should have a flash/thumb drive for lab use; 64GB minimum is recommended. See the ITM Student Information publication or https://blogs.iit.edu/itm_loopback/software/ for software available at no cost to ITM students.

Links to special pricing on Dell and Apple computer hardware is available to Illinois Tech students at https://ots.iit.edu/pc-mac/student-pcs-macs.