Computer Expectation: Class of 2022
WVU Interior Design Majors
(Issue date: 04.29.2019; Policy to be revised for Class of 2023 by 05.01.2020)

Each student entering the second year of the interior design curriculum is expected to use a personal LAPTOP COMPUTER system to complete assignments in the studio classrooms during class meetings. Each student is expected to provide the computer hardware and software necessary to meet this expectation, and **successful completion of required interior design studio courses is unlikely for students who do not meet this expectation.**

The interior design studio is the primary place for learning how to design interior boundaries and spaces and for the exchange of design ideas. The goal of the laptop computer expectation is to integrate digital media into the design studio experience. Such integration is required for success in the design professions and maximizes design learning in the educational setting. The mobility of the laptop allows the student to easily and quickly transform a relatively small desk space into a variety of configurations suitable for hand-drawing, hand-drafting, design research, and design writing as well as digital drawing, modeling, and graphic design. The battery-powered laptop allows for maximum computer use within environments with limited electrical power outlets and allows the student to keep the computer on their person for security reasons. Input devices (such as scanners), output devices (such as printers and plotters), and desktop workstations continue to be available in campus computer laboratories.

Students may meet the computer expectation by purchasing, leasing, or borrowing a laptop computer loaded with the specified software. If a student decides to purchase a computer, the cost of a new computer can be factored in determining a student's financial need. **Please contact the WVU Financial Aid Office (304.293.5242) to request the form "Request for Student Budget Review" and confirm whether the purchase is subject to any additional qualifying guidelines prior to purchasing a computer. The completed "Request for Student Budget Review" form must be submitted directly to the WVU Financial Aid office.** The decision regarding a student's eligibility for a budget adjustment may take some time, so students are strongly encouraged to plan ahead. Only one financial aid budget adjustment (typically up to $1,500 although a greater adjustment may be possible with justification) toward a new computer and associated software can be issued during a student's undergraduate education.

Class of 2022 Computer Hardware Specification

*Note: As of the date of this document, computer hardware configurations that meet or exceed all minimum specifications listed below was available through HP.com for $1,520 (**HP OMEN LAPTOP 17t Best Value** – Product No.* **4FJ26AV_1 –** *is the most highly recommended).). A model that meets or exceeds all minimum specs was available through the **Dell University** discount site for $1,548 (**Dell G7 17 Gaming** – Order Code **gnvcb7ch1702h**. A number of other models that meet or exceed all minimum specifications were available at* Best Buy *starting at $1,310.*

A minimum hardware specification has been developed to meet the system requirements of the graphics software specified below. Many computer manufacturers can meet the hardware specification. **PLEASE NOTE THAT THE UNIVERSITY-WIDE COMPUTER RECOMMENDATION IS INADEQUATE FOR INTERIOR DESIGN SOFTWARE. INSTEAD, USE THIS SPECIFICATION. Also, f you are considering using a Mac, please note that Autodesk, the manufacturer of leading design and drawing software, currently does not offer all of its software, including the industry leading REVIT, in a Mac compatible version.** Autodesk supports the use of these other programs on Mac via Parallels Desktop software which may be purchased at additional cost to the student who chooses a Mac.

Each student is responsible for the security and insurance of her or his design tools used in studio courses, including the personal laptop computer. Use of a computer cable lock is recommended. The interior design program cannot provide technical support, so an extended on-site warranty for hardware is also strongly recommended.

Wireless networks with Internet access are available in the design studios. Students must adhere to College security and software policies. All computers used on the university networks must be configured by the college computer support staff including the installation of the most recent release of university-issued antivirus software.

	Interior Design Computer Policy: Class of 2022 Minimum Hardware Expectation (The Class of 2023 specification will be updated and issued by May 01, 2020)	
	Minimum Spec – if NEW PURCHASE: (Meets system requirements for current versions of commonly used design software and most likely to meet system requirements for new releases of software issued during your education)	**Minimum Spec - if PREVIOUS PURCHASE:** (Meets system requirements for recent versions of commonly used design software)
Platform	Windows Compatible **NOTEBOOK/LAPTOP**	Windows Compatible **NOTEBOOK/LAPTOP**
Operating System	Windows 10 HOME OR PRO	Windows 10 HOME OR PRO
Processor	"8th" generation Intel Core i-5-4590 or higher processor (or AMD Radeon RX 480 or higher processor)	"7th" generation i-7 Processor – e.g. i7-7XXXU (or AMD equivalent)
Processor Speed	**4 GHz or higher**	**4 GHz or higher**
Memory (RAM)	16GB or higher	16GB or higher
Video Card	"Discrete" Graphics Card – **4GB min**. (NVIDIA GeForce® GTX 970 or AMD Radeon™ R9 290 equivalent or faster)	"Discrete" or "Discrete/Switchable" Graphics Card – **4GB min**. (e.g. AMD Radeon™ R7 M445 Graphics 4GB GDDR5); Extremely Important - *AVOID "integrated" video card – e.g. "Intel . . . Graphics"*
Video Card Driver	OpenGL version **3.0 or higher** required	OpenGL version **3.0 or higher** required
Video Output	HDMI 1.4, DisplayPort 1.2 or newer	N/A
USB Port	1x USB 2.0 or newer	N/A
Display	FHD (1920 x 1080) Anti-Glare; 17" or larger highly recommended	FHD (1920 x 1080) Anti-Glare; 17" or larger highly recommended
Hard Disk Drive	1 TB or higher; 'SSD' recommended;	1 TB or higher
NIC/Ethernet Card	Wireless 802.11N or 802.11AC	Wireless 802.11N or 802.11AC
External Mouse	3 Button Scroll-Wheel	3 Button Scroll-Wheel
	Additional Recommendations:	
Carrying Case	Yes	Yes
Warranty	3 Year On-site / In-home Parts and Repairs Service Recommended	
Data Back-Up	'Cloud' Storage Strongly Recommended	
Security	Cable Lock Strongly recommended	
Insurance	Strongly recommended – e.g. add to Homeowners or Renters policy	

Class of 2022 Computer Software Specification

(As of the date of this document, the cost of meeting the minimum software expectation totaled approximately $95 in one-time license fees and $113 in annual license subscriptions through the vendors identified below.)

All computers used on the university networks must have up to date software security patches and the free antivirus software available through the university.

Before buying a hardware system with preloaded software, compare the hardware vendor's software prices with those of WVU's negotiated academic prices provided via the links. The following software expectation comprises a basic software set-up for most design learning activities. Additional software may be expected for individual courses.

	Class of 2022 Minimum Software Expectation (The Class of 2023 expectations will be updated and issued by May 01, 2020)
	If you are a rising second year ID major, the following software shall be loaded on your computer <u>prior to</u> the beginning of the fall 2019 semester. All prices are accurate as of the date of this policy but are subject to change. *Incomplete exercises and corresponding negative grades may result from failure to have these software products installed PRIOR to the start of classes:*
Anti-virus Software:	**Sophos Antivirus Software** (*WVU offers antivirus software http://freeav.wvu.edu FREE to students on up to three devices. Make sure to use your WVU email when you sign up.*
Office Software:	**Microsoft Office** (must have Word, Excel, and Powerpoint). FREE to students. For download instructions, visit https://wvu.teamdynamix.com/TDClient/KB/ArticleDet?ID=6382 .
Graphics Software:	**Adobe Creative Cloud** * (must have Photoshop, Illustrator, InDesign, Acrobat Pro components). Available at deep discount via WVU Office of Information Technology at http://wvu.onthehub.com ($68.35/year for students).
	Autodesk Revit 2020 * Academic version. Download via Autodesk Education Community at https://www.autodesk.com/education/free-software/featured ; (FREE).
3D Modeling:	**Trimble Sketch-up Studio (2019)** * **Student License.** Downloadable via http://www.creationengine.com/html/sketchup.html ($55/year).
	The following software should be loaded on your computer <u>only when required in a course:</u>
Rendering:	**SU Podium V2.5 Plus (or later)** * **Student/Teacher License.** Downloadable via https://store.cadaloginc.com/student-teacher-products/ ($95). In addition to the required Podium V2.5 Plus software, the "Podium Browser Paid Content" product ($79) is <u>recommended</u> but not expected - https://store.cadaloginc.com/podium-browser-paid-content/
Other - 3D Modeling, CADD, VR, etc:	**Autodesk AutoCAD** * Academic version. Downloadable via Autodesk Education Community at https://www.autodesk.com/education/free-software/featured (FREE).
	Viveport. Downloadable via Vive Setup at https://www.vive.com/us/setup/vive/
	*Denotes products that are licensed for a fixed period of time (e.g. Adobe Creative Cloud and SketchUp Studio (2019) have one year licenses that begin on the date of purchase).