

# 2022 Computer Purchase Requirements for All Architecture, Interior Architecture, and Landscape Architecture Students

These requirements apply to all Architecture, Interior Architecture, and Landscape Architecture students entering the college in the summer / fall of 2022.

## About Your Technology Package

The College of Architecture and Design is specifying the following technology package for all Architecture, Interior Architecture, and Landscape Architecture students. Reliability, support, and productivity in relation to professional CAD and graphics applications have been key criteria in developing these specifications.

## Where to Purchase Your Technology Package

All systems must be purchased through the University of Tennessee Bookstore Technology Center (VolTech).

## When to Purchase Your Technology Package

To insure timely delivery, all systems should be purchased through the Bookstore Technology Center (VolTech) between June 15 and July 22, 2022.

NOTE: ORDERS MAY BE DELAYED DUE TO SUPPLY CHAIN ISSUES. PLEASE PLAN ACCORDINGLY

## How to Purchase Your Technology Package

Forms of payment – Cash, MC, VISA, Discover, American Express, and VolCard, either in store or online

To Pre-order online: (online preorder site will open June 15, 2022.) Go to: <https://www.utvolshop.com/college-of-architecture-and-design>

Choose one of the computers listed on the VolTech website. These are the units listed in this handout as configured. The online packages include all required hardware plus the Rhino software application. Adobe CC, V-Ray and the free downloads must be acquired separately by the end user. See “Notes Regarding Software” below for more information on required software.

Contact VolTech for any desired hardware upgrade options. See "For More Information Regarding the Purchase of Your Technology Package" on page 2 for contact info.

Go to checkout to pay for your purchase. **Be sure to enter the name of the student in the ORDER NOTES field at checkout.**

You can also stop by VolTech in the Student Union to place your order any weekday between 8:30-5:00..

## When and Where to Take Delivery of Your Technology Package

Students can typically pick up their systems in the store within four weeks of placing their order. You will be contacted by VolTech once your order arrives.

NOTE: ORDERS MAY BE DELAYED DUE TO SUPPLY CHAIN ISSUES. PLEASE PLAN ACCORDINGLY.

## Technology Package Purchasing Exceptions

In certain exceptional circumstances, and ONLY with the explicit permission of the director of your program of study, students may be allowed to purchase hardware from sources other than VolTech. If this is the case, you will still be required to purchase the required Rhino 7 software application from VolTech.

## Notes Regarding Software

Microsoft Office Pro Plus is available as a free student download: <https://oit.utk.edu/software-hardware/proplus/>

Adobe Creative Cloud subscription: Students purchase and download Adobe CC directly from Adobe's website: <https://www.adobe.com/creativecloud/buy/students.html>

Rhino: Rhino 7 licenses are available for in-store pick up at VolTech. Students MUST purchase Rhino 7 for Windows, as required plugins are not available for the Mac version of Rhino.

V-Ray plugin for Rhino subscription: Students purchase and download V-Ray for Rhino directly from Chaos Group's website: <https://www.chaosgroup.com/education/students>  
V-Ray for Rhino is required for all entering Landscape Architecture Students. Architecture and Interior Architecture students will be advised on purchasing V-Ray at a later date.

AutoCAD, Revit, and 3D Studio Max are available as a free student downloads: <https://www.autodesk.com/education/home>  
Revit is required for Architecture and Interior Architecture students only. 3D Studio Max is optional.

ArcGIS is available as a free UTK student download: <https://oit.utk.edu/software-hardware/software/>  
ArcGIS is required for Architecture and Landscape Architecture students only.

## For More Information Regarding the Purchase of Your Technology Package

For inquiries regarding VolTech purchasing procedures and hardware upgrades:

VolTech  
UT Student Union Level G3  
(865) 974-2930  
Email: [voltech@utk.edu](mailto:voltech@utk.edu)

For inquiries regarding the technical specifications included in the technology package:

Jeff Wilkinson  
IT Coordinator  
College of Architecture and Design  
Phone: (865) 974-3261  
Email: [jwilkin3@utk.edu](mailto:jwilkin3@utk.edu)

For inquiries regarding exceptions to the VolTech purchasing requirement:

Carl Lostritto  
Director - Architecture  
College of Architecture and Design  
Phone: (865) 974-5265  
Email: [clostrit@utk.edu](mailto:clostrit@utk.edu)

Milagros Zingoni  
Director - Interior Architecture  
College of Architecture and Design  
Phone: (865) 974-5265  
Email: [mzingoni@utk.edu](mailto:mzingoni@utk.edu)

Gale Fulton  
Director - Landscape Architecture  
College of Architecture and Design  
Phone: (865) 974-5265  
Email: [gfulton@utk.edu](mailto:gfulton@utk.edu)

# 2022 Laptop Specifications for All Architecture, Interior Architecture, and Landscape Architecture Students

Required Hardware	Dell Precision Mobile Workstation 3571	Dell Precision Mobile Workstation 5570	Dell Precision Mobile Workstation 7570	General Notes
<b>Processor</b>	2.4GHz i7 14-core w/24MB cache	2.5GHz i9 14-core w/24MB cache		The <b>Precision 3571</b> is a high-end mobile workstation designed to strike a good balance between power and physical size/weight at an affordable price.  The <b>Precision 5570</b> is a high-end mobile workstation designed to both maximize power and be very thin and lightweight.  The <b>Precision 7550</b> is a high-end mobile workstation designed to maximize power and offer hardware flexibility such as multiple drives and expanded memory options. It is not intended to be either thin or lightweight.
<b>Memory</b>	32GB DDR5 (2 slots - 64GB max.)	32GB DDR5 (2 slots - 64GB max.)		
<b>Hard Drive</b>	512GB PCIe SSD drive	1TB PCIe SSD drive		
<b>Graphics Card</b>	Nvidia RTX A1000 w/4GB GDDR6	Nvidia RTX A2000 w/8GB GDDR6		
<b>Display</b>	15.6" UltraSharp FHD (1920x1080)	15.6" UltraSharp FHD+ (1920x1200)		
<b>Ethernet</b>	Gigabit	none (external adapter optional)		
<b>Wireless</b>	802.11ax	802.11ax		
<b>Bluetooth</b>	v5.2	v5.2		
<b>Webcam</b>	720p HD camera	720p HD camera		
<b>Ports</b>	2-USB 3.2 / 2-Thunderbolt 4 USB-C 1- SDXC / 1-HDMI / 1-Audio	1-USB-C / 2-Thunderbolt 4 1-SDXC / 1-Audio		
<b>Operating System</b>	Windows 11 Professional (64 bit)	Windows 11 Professional (64 bit)		
<b>Dimensions &amp; Weight</b>	9.19" x 14.09" x 0.92" 3.95 lbs	9.07" x 13.56" x 0.43" 4.06 lbs		
<b>Sub-Total</b>	\$2,699.00	\$3,549.00		
<b>Warranty</b>	4-yr warranty / accident care included	4-yr warranty / accident care included		
<b>Required Adapter</b>	n/a		included	
<b>HDMI Cable</b>	StarTech 6 ft HS HDMI Cable \$10.00	StarTech 6 ft HS HDMI Cable \$10.00		
<b>External 1TB Backup Drive</b>	Lacie 1TB Rugged USB -drive \$89.00	Lacie 1TB Rugged USB -drive \$89.00		
<b>Mouse</b>	Logitech M100 Mouse \$9.00	Logitech M100 Mouse \$9.00		
<b>Required Hardware Price</b>	<b>\$2,807.00</b>	<b>\$3,657.00</b>		
<b>Required Software</b>				
<b>Microsoft Windows 11 PRO</b>	included	included		Laptops are specified with HD displays @ 1920x1080 resolution. Students also have high-resolution 27" displays mounted to their studio desks.  Contact VolTech for hardware upgrade options. See "For More Information Regarding the Purchase of Your Technology Package" on page 2 for contact info.
<b>Microsoft Office 365 Pro Plus</b>	free download	free download		
<b>Rhino 3D v7 (Win)</b>	\$89.00	\$89.00		
<b>V-Ray render plugin for Rhino</b>	REQUIRED FOR SOME STUDENTS, but not included in this package. Purchase directly from chaosgroup.com @ \$99.00 / year. For more information, see also "Notes Regarding Software" on page 2.			
<b>Adobe CC 1 yr subscription</b>	REQUIRED FOR ALL STUDENTS, but not included in this package. Purchase directly from adobe.com @ \$19.99 / month. For more information, see also "Notes Regarding Software" on page 2.			
<b>AutoCAD (Win)</b>	free download	free download		
<b>Revit (Win) - AR &amp; ID students</b>	free download	free download		
<b>3D Studio Max (Win) - Optional</b>	free download	free download		
<b>ArcGIS (Win) - LA students</b>	free download	free download		
<b>Required Software Price</b>	<b>\$89.00</b>	<b>\$89.00</b>		
<b>Total Required Items</b>	<b>\$2,896.00</b> plus sales tax	<b>\$3,746.00</b> plus sales tax		