

## School of Architecture Laptop Computer Requirements

(As of March 1, 2023)

### For PC

	Minimum Specification	Recommended Specification
<b>Processor</b>	Multi-Core Intel® i7 or above, Xeon® processor or AMD® equivalent. The highest affordable CPU speed rating recommended.	Multi-Core Intel® i7, or, Xeon® processor or AMD® equivalent. The highest affordable CPU speed rating recommended.
<b>Operating system</b>	Windows 10, 64-Bit Professional with Windows 11 Upgradable, or Windows 11 Professional.	Windows 10, 64-Bit Professional with Windows 11 Upgradable, or Windows 11 Professional.
<b>Monitor</b>	15.4" inch Wide Screen XGA+ Display or better	15.6 inch or wider Wide Screen XGA Display or better
<b>Memory</b>	16 GB RAM	32 GB RAM or Higher
<b>Hard Drive</b>	256 GB SATA (7200 RPM) Hard Drive or 256 GB Solid State Drive (SSD)	1TB SATA (7200 rpm) or 512GB Solid State Drive or 1TB SSD or Larger capacity and faster
<b>Video Card</b>	2GB – 4GB OpenGL®-capable Graphics card supporting 32-bit color with DirectX® 11 capable graphics card with promark 6000 or higher (Example: ATI mobility Radeon HD or Fire™ Graphics Card or Nvidia Quadro™)	4GB- 8GB OpenGL®-capable Graphics card supporting 32-bit color with DirectX® 11 capable graphics card with promark 8000 or higher (Example: ATI mobility Radeon HD or Fire™ Graphics Card or Nvidia Quadro™)
<b>Sound option</b>	Integrated Audio	Integrated Audio or better
<b>Multimedia</b>	Microsoft Edge or Internet Explorer 11 or Later QuickTime 7 or later software required for multimedia features	Microsoft Edge or Internet Explorer 11 or Later QuickTime 7 or later software required for multimedia features
<b>Anti-Virus/Security</b>	AntiVirus, Firewall, Spyware removal S/W	AntiVirus, Firewall, Spyware removal S/W (Norton or McAfee Suite)
<b>Networking Card</b>	Gigabit Integrated Controller 10/100/1000 Ethernet LAN & 802.11 g/n WiFi or faster + Bluetooth 4.2 or higher	Gigabit Integrated Controller 10/100/1000 Ethernet LAN & 802.11 g/n WiFi or faster with Bluetooth 4.2 or higher
<b>Warranty and service</b>	1 year Ltd	3 year Ltd or longer
<b>Accidental Damage service</b>	1 year Ltd	3 year Ltd or longer

### For Apple Mac

The 15-inch MacBook Pro with Retina display Fourth-generation quad-core Intel Core i7 or i9 processors 16GB or higher memory, 1TB of flash storage space and 4GB Radeon Pro graphic card are recommended. You will need Apple USB SuperDrive HDMI Cable, Apple Thunderbolt to Gigabit Ethernet Adapter Mini DisplayPort to VGA Adapter and 3Year Apple Care Protection Plan.

- ☐ **The School of Architecture requires all the students to purchase a laptop as part of our curriculum requirements. You also have the option to purchase a desktop instead of laptop with same specifications as above, but we highly recommend purchasing a laptop. All our school studio tables have secure metal cases for the desktop.**

☐ **Laptop Purchasing Information:**

- ☐ Go to Laptop Manufacture Web sites such as Dell, Compaq, IBM, Sony, Apple or HP etc., or electronic retailers such as Bestbuy, Circuit City, Fry's Electronics, CompUSA etc., and check their special prices and student discounts. They update the price information every month.
- ☐ Go to university financial office to get finance of the laptop and software you need.  
Contact: 936-261-1000 (Phone) 936-261-1031/1032 (FAX)

## School of Architecture Software Requirements

(As of March 1, 2023)

Category	Software Requirements	Price/ License Perpetual (One Year)	Required Department
Desktop publishing	Microsoft Office 365	Free	All Departments
Project Management and Scheduling	MS Project (for Construction Science) Primavera Sure Track	Free Free with Class	Architecture Construction Science Community Development
CAD and Visualization	AutoCAD Architecture 2022 or 2023 Autodesk 3D MAX 2022 or 2023 Autodesk Revit Architecture 2020 or 2021 SketchUp Studio Rhino 3D 7.0 or Higher	Free download for three years of student evaluation edition *** \$55 ***** \$195 ****	Architecture Construction Science
GIS and Mapping	ArcGIS Pro (for Community Development)	Free download with a class *****	Community Development
Graphic, Illustration, Publication, and Movie Editing and Design	Adobe Creative Cloud CC 2022 or above (Creative Cloud) including Adobe Photoshop CC or above Adobe Illustrator CC or above Adobe Indesign CC or above Adobe Acrobat DC or above	\$19.99/month or \$239.88/Yr for the first year and \$29.99/ month or \$359.88 after that *****	Architecture Art

Notice: The Price and promotion may be changed based on the company's new price policy.

### Software Purchasing Information:

- \* Texas A&M Software store (<https://software.tamu.edu/> )
- \*\* Price from Journey Ed.com 1-800-874-9001 (<http://www.journeyed.com> )
- \*\*\* AutoCAD, Revit Architecture, etc. are available free to students at Autodesk Student Community (<http://students.autodesk.com>)
- \*\*\*\* Academic SuperStore  
(<http://www.academicssuperstore.com/products/Google+SketchUp+Pro/Google+SketchUp+Pro+for+Students>)
- \*\*\*\*\* McNeel North America (<http://www.rhino3d.com/sales/?Region=NA&language=en>)
- \*\*\*\*\* ESRI GIS and Mapping Software for ArcView 1-800-447-9778  
(<http://www.esri.com/industries/apps/education/offers/promo/index.cfm>)
- \*\*\*\*\* <https://www.sketchup.com/plans-and-pricing#for-higher-education>
- \*\*\*\*\* <https://www.adobe.com/creativecloud/plans.html?promoid=P3KMQYMW&mv=other>

Also check the following web site for more discounted price!!

- Campus Tech (<http://www.campustech.com> )
- Academic Superstore (<http://www.academicssuperstore.com> )
- Student Discount Software (<http://www.studentdiscounts.com> )
- Software Express (<http://www.swexpress.com> )
- Studica (<http://www.studica.com> )

The School of Architecture launches Virtual Desktop Interface (VDI) for all the software required in the classes. Each student can get access to the VDI online on their laptop or desktop computers.

You need to discuss with each class instructors for the software requirements. For more information, you can contact Prof. Stephen Song at 936-261-9818 or e-mail: [yusong@pvamu.edu](mailto:yusong@pvamu.edu)