

School of Architecture Laptop Computer Requirements

(As of June 6, 2017)

For PC

	Minimum Specification	Recommended Specification
Processor	Multi-Core Intel®i5 or above, Xeon® processor or AMD® equivalent with SSE2 technology. Highest affordable CPU speed rating recommended.	Multi-Core Intel® i7, or, Xeon® processor or AMD® equivalent with SSE2 technology. Highest affordable CPU speed rating recommended.
Operating system	Windows 10, 64-Bit Professional	Windows 10, 64-Bit Professional
Monitor	15.4" inch Wide Screen XGA+ Display or better	15.6 inch or wider Wide Screen XGA Display or better
Memory	8GB RAM	16GB RAM or Higher
Hard Drive	500 GB SATA (7200 RPM) Hard Drive	1TB SATA Hard Drive or Larger capacity and faster
CD or DVD drive	8x CD/DVD burner (DVD+/-RW)	16x CD/DVD burner (DVD+/-RW) with double-layer DVD+R write capability or faster
Video Card	2GB – 4GB OpenGL®-capable Graphics card supporting 32-bit color with DirectX® 11 capable graphics card with Shader Model 3 or higher resolutions (Example: ATI mobility Radeon HD or Fire™ Graphics Card or Nvidia)	4GB- 8GB OpenGL®-capable Graphics card supporting 32-bit color with DirectX® 11 capable graphics card with Shader Model 3 or higher resolutions (Example: ATI mobility Radeon HD or Fire™ Graphics Card or Nvidia Quadro™)
Sound option	Integrated Audio	Integrated Audio or better
Multimedia	Internet Explorer 11 or Later QuickTime 7 or later software required for multimedia features	Internet Explorer 11 or Later QuickTime 7 or later software required for multimedia features
Anti-Virus/Security	AntiVirus, Firewall, Spyware removal S/W	AntiVirus, Firewall, Spyware removal S/W (Norton or McAfee Suite)
Networking Card	Gigabit Integrated Controller10/100/1000 Ethernet LAN & 802.11 g/n WiFi or faster	Gigabit Integrated Controller10/100/1000 Ethernet LAN & 802.11 g/n WiFi or faster
Warranty and service	1 year Ltd	3 year Ltd or longer
Accidental Damage service	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 processors 16GB or higher memory, 1TB of flash storage space and 4GB 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 laptop or 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 June 6, 2017)

Category	Software Requirements	Price/ License Perpetual (One Year)	Required Department
Desktop publishing	Microsoft Office 2013 or later version Professional Edition	\$15 *	All Departments
Project Management and Scheduling	MS Project (for Construction Science) Primavera Sure Track	\$15 * Free with Class	Architecture Construction Science Community Development
CAD and Visualization	AutoCAD Architecture 2016 or 2017 Autodesk 3D MAX 2016 or 2017 Autodesk Revit Architecture 2016 or 2017 SketchUp Pro 2017 Rhino 3D 5.0	Free download for three years of student evaluation edition *** \$49 \$195 ****	Architecture Construction Science
GIS and Mapping	ArcView (for Community Development)	Free download for one year of student evaluation edition *****	Community Development
Graphic, Illustration, Publication, and Movie Editing and Design	Adobe Creative Suite CC 2017 or above (Creative Cloud) including Adobe Photoshop CC or above Adobe Illustrator CC or above Adobe Indesign CC or above Adobe Acrobat DCor above Adobe Dreamweaver CC or above Adobe Flash Pro CC or above	\$19.99/month or \$239.88/Yr for Creative Cloud with educational discount	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>)

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>)

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