School of Architecture Laptop Computer Requirements

(As of February 24, 2011)

For PC

	Minimum Specification 32Bit	Recommended Specification 64Bit
Processor	Intel Core i5(dual-core 2.66Ghz, 4MB cache) or AMD AMD Athlon, 3 GHz or higher with SSE2 technology	Intel Core i7 (quad-core 1.6Ghz, 6MB cache) or faster processor or AMD Athlon 64 with SSE2 technology, or AMD Opteron® processor with SSE2
Operating system	Microsoft® Windows® 7 Enterprise, Ultimate, Professional, or Home Premium, or Microsoft Windows Vista (SP1 or later) Enterprise, Buiness, Ultimate, or Home Premium edition, or Windows XP Professional or Home edition (SP2 or later)	Microsoft® Windows® 7 Enterprise, Ultimate, Professional, or Home Premium, or Microsoft Windows Vista (SP1 or later) Enterprise, Buiness, Ultimate, or Windows XP Professional x64 edition (SP2 or later)
Monitor	15.4" inch Wide Screen XGA or better	17 inch Wide Screen XGA Display or better
Memory	4GB RAM	8GB RAM or Higher
Hard Drive	120GB SATA (7200 RPM) Hard Drive or Larger capacity and faster	250 GB 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	256MB OpenGL®-capable Graphics card supporting 1280x1024x24-bit color with Direct3D 10, Direct3D 9 hardware acceleration supported or higher resolutions (example: ATI mobility Radeon HD or Fire™ Graphics Card or Nvidia Quadro™)	512MB- 1GB OpenGL®-capable Graphics card supporting 1680x1050x32-bit color with Direct3D 10, Direct3D 9 hardware acceleration supported 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 8.0 or Later QuickTime 7 or later software required for multimedia features	Internet Explorer 8.0 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	Gigabit Integrated Controller10/100/1000 Ethernet LAN & 802.11 g/n WiFi
Warranty and service	I year Ltd	3 year Ltd or longer
Accidental Damage service	I year Ltd	3 year Ltd or longer

Notice: The specification may be changed based on the new requirements from the updated versions of software and hardware. For more information you can contact Prof. Song at 936-261-9818 or e-mail: yusong@pvamu.edu

For Apple Mac

Many students have asked how our computer policy pertains to Apple Macintosh® computers. The PVAMU are not currently supporting Mac computers on our network infrastructure. Students are responsible for obtaining, installing, and maintaining operating systems on their computers. The 15 inch and 17 inch Macbook Pro laptops with Snow Leopard Operating Systems are required. Software programs required for use in some courses are only available on Microsoft Windows. To use this software, Windows will have to be installed on the laptop (the windows specification will be the same as the above PC specifications).

- **The School of Architecture requires all the second year or above students to purchase a laptop as part of our curriculum requirements.**

- **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 February 24, 2011)

Category	Software Requirements	Price/ License Perpetual (One Year)	Required Department
Desktop publishing	Microsoft Office 2007 or 2010 Professional Edition	$99.95*	All Departments
Project Management and Scheduling	MS Project (for Construction Science) Primavera Sure Track	$199.95* Free with Class	Architecture Construction Science Community Development
CAD and Visualization	AutoCAD Architecture 2011 Autodesk 3D MAX 2011 Autodesk Revit Archiecture 2011 SketchUp Pro 8.0 Rhino 3D	Free download for one year of student evaluation edition ** ($49.95***) $195.00****	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 CS 4 or 5 including Adobe Photoshop CS 4 or 5 Adobe Illustrator CS 4 or 5 Adobe Indesign CS 4 or 5 Adobe Acrobat Professional 10 Adobe Dreamweaver CS 4 or 5 Adobe Flash Pro CS 4 or 5	$448.95*	Architecture Art

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

Software Purchasing Information:

* 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.academicsuperstore.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.academicsuperstore.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