

2017-18

Computer Specifications

School of Architecture-Oklahoma State University

The School of Architecture at OSU requires all architecture and architecture engineering majors entering 3rd year to purchase and operate a desktop or laptop computer. It is required to have a high-quality screen, wireless capability, and loaded with specific software. The following specifications are the **minimum** required hardware and software for the 2017-18 academic year.

Please note that certain computer and software developers/vendors offer packages at competitive prices. Compare prices, terms of use, and after-sale services before making any purchase.

Processor

6th or 7th Generation Intel® Core™ i5 or i7 (**i7 is recommended**) with at least 2.6 GHz or higher speed. Rhino & Autodesk Revit software products will use multiple cores for many tasks, using up to 16 cores for complex operations.

Operating System

-Microsoft® Windows® 7 Pro 64-bit:
Windows 7 Enterprise, Ultimate, Professional
-Microsoft® Windows® 8.1 64-bit:
Enterprise, Pro, or Windows 8.1
-Microsoft® Windows® 10 64-bit:
Enterprise, or Pro

Memory

Tower: A minimum of 1 DIMM 16GB, 2133MHz, DDR4 up to 64GB

Laptop: A minimum 8GB (**16GB is recommended**), 2400MHz, DDR4

Display

15" HD (720p) WLED (1,680 x 1,050 with true color DPI Display Setting: 150% or less) or bigger flat panel display.

Hard Drive

Highest affordable CPU speed rating recommended.

CONFIGURATION EXAMPLES:

Option A: Dual drives with 128GB Solid State Drive + 1TB 5400 rpm Hard Drive to maximize speed and storage space.

Option B: 1TB 5.4k Hybrid HDD + 8G Cache [1TB 5400 rpm Hybrid Hard Drive + 8GB Embedded Flash Cache]

Option C: 1TB 2.5 inch 5400 rpm SATA Hard Drive

Graphic Card

A compatible **dedicated** graphic card with at least 2GB of video memory. (No less than 2GB to avoid performance problems or even crashing on more recent versions of Windows.)

Network

Wireless 802.11ac + Bluetooth 4.2

Accessories

Optical mouse
High capacity USB memory stick
Flatbed scanner (optional)
CD / DVD Burner (optional)
External Drive for back-ups
Color inkjet printer

Required Softwares

Microsoft Office* (latest version)
Autodesk Autocad** (latest version)
Autodesk Revit (latest version)
3ds Max (latest version)
Rhino (latest version)
V-Ray for Rhino (latest version)
Adobe Creative Suite-Design Standard (latest version)
ONLY for AE Students: RISA Software*
Anti virus/internet security*** (latest version). AE Students do not need Rhino or V-ray fro Rhino.

*Currently available at no charge for OSU students and Staff. **May be downloaded at no charge from Autodesk with academic proof. ***Currently available at no charge for OSU students and Staff.