2020-21
Computer Specifications
School of Architecture-Oklahoma State University

The School of Architecture at OSU requires all architecture and architectural engineering majors to purchase and utilize a laptop computer (preferred) or a desktop model. The computer should be equipped with one or more high-quality monitors, and have wireless capability. Specific software is needed for coursework at the School of Architecture. The following specifications outline the minimum necessary hardware and software for the 2020-21 academic year.

The School of Architecture does not mandate the purchase of a specific type or model of a computer but makes recommendations in terms of performance based on the graphic intensive work and software used throughout the program. The average lifespan of a computer is typically three to five years depending on a variety of factors, including original configuration and individual computing needs. Please note that certain computer vendors offer packages at competitive prices. Compare prices, terms of use, and after-sale service before making any purchase. Also, finally note that the architecture profession uses programs developed for PC, and there is very limited IT support at OSU for Mac computers; these two factors may influence a decision on brand of computer to purchase.

**Processor (CPU)**
Intel® Core™ i7 or better
Rhino & Autodesk Revit software products will use multiple cores for many tasks, using up to 16 cores for complex operations.

**Operating System**
Latest operating Windows, 64-bit

**Memory (RAM)**
An absolute minimum of 16GB is required; 32GB of RAM is preferred

**Display**
15" resolution (1920 x 1080) Full HD for laptops, larger size high quality monitor for desktop or for a second monitor.

**Hard Drive**
Highest affordable CPU storage and speed rating is recommended. Minimum of 500GB, but 1 TB HD recommended.

**Graphic Card**
A compatible dedicated graphic card with a minimum of 4GB of video memory. Graphics processors passmark of 6000 points and 4GB minimum of GDDR5 memory on laptops; 8GB + GDDR5 memory is better. More video RAM means better graphics and 3D modeling and virtual reality performance. Example: NVIDIA® GeForce® GTX 1080 with 8GB GDDR5 or equivalent.

**Network**
Wireless Networking Setup ready, 802.11ac recommended

**Ethernet**
10/100/1000

**Accessories**
Mouse, optional with wheel
USB memory stick (32GB recommended)
External Drive back-up (1TB), or Cloud storage
Webcam or built-in computer camera
Built-in Speakers
Additional monitor(s)—see Display

**Required Software (latest version)**
Microsoft Office*
Anti-virus/internet security*
Adobe Creative Suite-Design Standard**
Rhino***
Autodesk Revit****
ONLY for AE Students: RISA Software*

*Currently available to download at no charge for OSU students.
**A monthly subscription may be purchased directly from Adobe.
***May be purchased at a discount from the SoA.
****May be downloaded at no charge from Autodesk with academic proof.