

2021-22

Computer Specifications

School of Architecture-Oklahoma State University

The School of Architecture at OSU requires all architecture and architecture engineering majors to purchase and operate a **laptop computer**. It is required to have a high-quality screen, wireless capability, and loaded with specific softwares. The following specifications are the hardware and software for the 2021-22 academic year.

The School of Architecture does not mandate the purchase of a specific model of computer but makes recommendations in terms of performance based on the graphic intensive work and softwares 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 and software developers/vendors offer packages at competitive prices. Compare prices, terms of use, and after-sale services before making any purchase. Lastly, it must be noted that the architecture profession is a PC based industry, and pertinent software has been primarily developed for use on a PC. Furthermore, OSU provides only limited IT support for Mac users.

Processor (CPU)

8th Generation **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 or Windows 10 Pro, 64-bit recommended.

Memory (RAM)

Laptop with RAM of 16GB minimum, 32GB recommended (For multitasking and large file size accommodations)

Display

A min. 17" monitor (Non Touchscreen with 1920 x 1080 resolution) Full HD or a larger size high quality monitor.

Hard Drive

Highest affordable CPU storage and speed rating recommended. A solid state hard drive with 1 TB HD is recommended.

Graphic Card

A dedicated graphic card, DirectX® 11 capable graphics card with Shader Model 5 and a minimum of 4GB of video memory.

It is recommended that you verify the graphic video card is certified to work with the latest version of the following softwares:

Autodesk Revit and Rhinoceros 3D.

Network

Wireless capability with Wi-Fi 6 (802.11ax).

Required Accessories

Mouse and Keypad

High capacity USB memory stick (32GB recommended)

External Drive for back-ups

Front-Facing Camera or video camera equivalent¹

Built-In Microphone

Headphone Jack/Headphones

Required Softwares

Microsoft Office² (latest version)

Rhino (latest version)

Autodesk Revit³ (latest version)

Adobe Creative Suite-Design Standard (latest version)

Anti virus/internet security² (latest version).

ONLY for Arch Engineering Students: RISA Software⁴

Notes:

1. Working camera and microphone are required for all courses.
2. Currently available at no charge for OSU students and Staff.
3. May be downloaded at no charge from Autodesk with academic proof.
4. Architectural engineering students need to download the latest RISA 3D Software.

