

2020-21

Computer Specifications

School of Architecture-Oklahoma State University

The School of Architecture (SoA) 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 2020-21 academic year.

SoA does not mandate the purchase of a specific type or model of computer but makes recommendations in terms of its performance based on the graphic intensive work and softwares used throughout the program. Pre-architecture which is the first two years of the program does not require higher end processing and graphic card quality and a mid-range configuration will suffice. 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.

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, 64-bit recommended.

Memory (RAM)

Laptops - RAM 16GB recommended
(Multitasking and large file size accommodations)

Desktops (towers)- system memory can range from an absolute minimum of 16GB but 32GB is recommended.

Display

15" resolution (1920 x 1080) Full HD or a larger size high quality monitor.

Hard Drive

Highest affordable CPU storage and speed rating recommended. 1 TB HD recommended.

Graphic Card

A compatible dedicated graphic card with at least 4GB of video memory. It is recommended that you verify the video card is certified to work with the latest version of the following softwares:

Autodesk Revit on the AutoDesk website
and
Rhinceros 3D on the Rhino 3D website.

Network

Wireless capability with 802.11 b/g/n or ac/n.

Accessories

Mouse
High capacity USB memory stick (32Gb recommended)
External Drive for back-ups

Required Softwares

Microsoft Office* (latest version)
Rhino (latest version)
Autodesk Revit** (latest version)
Adobe Creative Suite-Design Standard (latest version)
Anti virus/internet security*** (latest version).

ONLY for AE Students: RISA Software*

*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.