

University of Louisiana Lafayette School of Architecture and Design Computer Requirements 2022-23

The School of Architecture and Design incorporates digital technologies into its curriculum. All students are required to lease, purchase, or have ready access to a laptop that either meets or exceeds the specifications listed below starting in year 2, when students register for DSGN 235. Students can choose between PC or Mac. An external mouse with 3-button with scroll wheel is required for all the configurations listed below.

When computer shopping, many major electronics retailers might be unfamiliar with the graphics requirements associated with applications such as Autodesk, Adobe Creative Suite, or Rhinoceros. The school recommends that you consider systems similar to those that will support 3D animated gaming. These systems often have comparable video cards and sufficient memory necessary to support the 3D modeling and animation software required. Our programs do not recommend any vendor or manufacturer of computer equipment. All 3D modeling programs are natively written for Windows. Note: Revit, required for 3rd year architecture students, does not run on Apple products unless you install Bootcamp.

Dell has made a special website for ULL design students to order computers:

https://www.dell.com/en-us/member/lp/louisiana?link_number=530018433064&c=us&l=en&s=eep&tfcid=1764729&cid=316360&lid=5993986&dgc=ms

After you select the shop recommended solutions button, then press on the filter by button at the upper left hand and choose architecture (this is true for all students majoring in architecture, interior design, industrial design) and it will show you a selection of computers. Because this is a required purchase, you may be able to approach financial aid about increasing your package to accommodate this cost.

If you are specifying a computer, please confirm that it will run:

Rhinoceros 7.0

<https://www.rhino3d.com/7/system-requirements/>

SolidWorks 2021

<https://www.solidworks.com/support/system-requirements>

Revit

<https://knowledge.autodesk.com/support/revit-products/learn-explore/caas/sfdcarticles/sfdcarticles/System-requirements-for-Autodesk-Revit-2021-products.html>

Lumion 11

<https://lumion.com/requirements.html>

PC

Operating System: Microsoft Windows 10 or 11

CPU: Intel/AMD Processor: Intel i7, 4.2 GHz processor or faster (CPU Mark of 2000 or higher)

RAM: 16 GB or more

Hard Drive: 512 GB solid state (1 Tb preferred) + 1 Tb HDD

Video Card: Nvidia GeForce GTX 1050 Ti (1660) or better (Graphics card scoring a G3DMark of 7000 or higher)

Video Card Memory: 4GB or 6 GB (for video rendering)

Screen Resolution: 1920x1080

Mouse: Three-button mouse with scroll wheel

USB ports: 2 (min.)

MacBook Pro

Operating System: macOS Catalina, Big Sur, or Monterey

CPU: Intel i7 quad core 2.8 GHz processor (or faster) (AMD processor recommended on Intel Macs)

RAM: 16 GB or more

Hard Drive: 512 GB PCIe flash storage or better (1 TB preferred)

Video Card: AMD Radeon Pro 555x with 2 GB GDDR5 or better

Screen Resolution: 1920x1080

Mouse: Three-button mouse with scroll wheel

External Hard Drive

1 TB preferred

Computer Programs installed

Rhino 7 (\$195 student license – single purchase)

Adobe Creative Cloud (\$29.99/month or \$239 for the first year and \$359/yr after): Photoshop; Illustrator; InDesign.
(These programs are all part of the single cost monthly subscription) You do not need to buy the subscription until we tell you to install the programs.

Some students report that a second monitor is helpful when taking DSGN 235 – so that they can watch the video tutorials on one screen while completing their work on a second screen.