**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. A laptop is required because students must be able to work in classes on campus with the computer, but cannot leave the computer in Fletcher unattended.**

Students can choose between PC or Mac (**Mac** is **strongly discouraged** for **Architecture** and **Interior Design** students – it is Okay for Industrial Design Students). 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 and interior design students, does not run on Apple products (unless you partition your computer with Bootcamp).

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

[https://www.dell.com/en-us/lp/louisiana](https://nam12.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.dell.com%2Fen-us%2Flp%2Flouisiana&data=05%7C01%7Cliane.hancock%40louisiana.edu%7C70e80e9d1f4c4662a60108db009fd8b7%7C13b3b0cecd7549a4bfea0a03b01ff1ab%7C1%7C0%7C638104458753286049%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=vA2xZL8D%2BCvU%2BMXMyQ860YcWXNozs974D1aDkG07b2Y%3D&reserved=0)

After you select the *school recommended* 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. Your computer doesn’t have to be one of these exact machines or even a Dell, but the specs should match or be better. We recommend staying with Nvidia graphic cards; AMD graphic cards are not recommended.

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 (rather than choosing one from the ULL Dell website), please confirm that it will run:**

**Architecture, Interior Design, Industrial Design:**

Rhinoceros 7.0

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

Industrial Design:

SolidWorks

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

**Architecture and Interior Design:**

1. Revit

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

1. Lumion

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

**PC**

Operating System: Microsoft Windows 10 or 11

CPU: Intel 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 (Not recommended for Architecture or Interior Design Students, Okay for Industrial Design Students)**

Operating System: macOS Catalina, Big Sur, or Monteray

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 PCle 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). Must be purchased – trial license is not sufficient.

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.