

Christopher C. Gibbs College of Architecture

Student Technology Policy 2025 – 2026 Academic Year

Laptop Requirement

Laptops are required for all undergraduate and graduate students in the College of Architecture from the beginning of their first year. Software requirements vary by division (see below).

Support Infrastructure

Information Technology and the College of Architecture have partnered to provide a support infrastructure for the laptop policy. This includes wireless coverage, repair services and network file storage.

Wireless: The Gibbs College of Architecture (Gould Hall) has wireless coverage throughout. To connect, simply choose the network called “WIFI@OU”. If you need assistance with connecting to wireless, please call 405-325-HELP.

Available Software and Storage Solutions: The University offers Office 365 free for all students. Installer can be found at portal.office.com. Students also have access to 1TB of storage space through OneDrive. This drive can be accessed through the portal website. For more information regarding available resources please call 405-325-HELP or visit ou.edu/ouit

Repair Services: The nearest IT Service Centers is available at OU Bizzell Library basement LL1, provides College of Architecture students support for all their computing needs. The IT Service Center is a Dell and Apple certified warranty repair center, but repairs all brands of computers. This service is free of charge, but students must pay for any parts or additional software required. There are two IT Service Centers on campus, one located in the Engineering Laboratory room 201 and Bizzell Library room 125. All Service Centers are open Monday through Friday 8:30 AM to 5:30 PM.

Network Storage: All students will have access to their Microsoft OneDrive, which provides up to 1TB of storage space.

Financial Aid Help: To help aid in the purchase of a new laptop, students may apply for the [Robert B. Lewis Computer Loan](#).

OU Institutional Loan Form: <https://lfforms.ou.edu/Forms/instloanapp>

Students can also get a discount by purchasing a Dell laptop at www.dell.com/ou.

General Recommendations: Laptops

NOTE: Additional specifications for each division are noted below.

We recommend PC as the primary platform for work in the College: students will need to be able to run Windows 11 on whichever type of computer they choose, in order to use the software required in each division. Students are responsible for finding the best method to install Windows on non-PC computers.

Students should expect to allocate at least 100GB of space to Windows on a Mac. Software versions installed on student laptops need to be the same versions installed in the GCA computer lab unless noted otherwise.

Division of Architecture Guidelines:

Recommended Laptop Configuration:

Operating System:

We recommend PC as the primary platform for work in the college. Architecture students are warned that some software will run unacceptably slow or not at all on a MAC and as such a MAC is not recommended.

Recommended Minimum Configuration:

OS	Windows 11
Processor	Intel ® Core ™ i7-4790S or AMD Ryzen 5 2600X processor or better
Memory	16GB of RAM or better
Hard Drive	1TB SATA SSD or HDD
Graphics Card	6 GB Graphics Card such as the Nvidia GeForce GTX 1060, Quadro K6000, AMD Radeon RX 580, or better
Miscellaneous:	-802.11G/N wireless or better -USB-A Ports -Built-in Speakers -1920 x 1080 resolution display -Three-button mouse

The minimum laptop configuration will allow you to run all the software required in the first few years, but not always smoothly or dependably. If you are buying a new laptop, you should follow the specifications in the recommended configuration, next page, whenever possible:

Recommended Configuration:

OS	Windows 11
Processor	Intel Core i7-7700 or AMD Ryzen 7 3700 processor or better
Memory	32GB of RAM or better
Hard Drive	2TB HDD: SATA3 SSD or NVME m.2 storage
Graphics Card	Graphics Card: 10 GB Graphics Card such as the NVIDIA GeForce RTX 3060, NVIDIA Quadro RTX 2000 ADA, AMD Radeon RX 6700 XT or better
Miscellaneous:	-802.11G/N wireless or better -USB-A Ports -Built-in Speakers -1920 x 1080 resolution display -Three-button mouse

This configuration should allow you to run all the required software smoothly, with an allowance for future upgrades, which generally demand more computing and graphics power.

Dell Technologies has a selection of computers specifically for architecture and engineering, at educational prices, [here](#).

Students should own one or two thumb drives, and a means of safely backing up their files.

**A note on Hardware Lifespan: Considering the five-year length of the architecture degree, students should take into account the normal technological life span of most computers and should plan on upgrading to a more up-to-date model as usage increases in the upper-level studios. Starting with the recommended laptop configuration, or better, may push this eventuality back by a year or two, or purchasing a machine that can be upgraded (this is uncommon in laptops).*

Architecture Software Requirements:

- Microsoft Office
- AutoCAD
- Autodesk Revit
- 3ds Max Design
- Adobe CS Suite
- Rhinoceros (includes Grasshopper)
- SketchUp Pro
- Lumion (suggested/class specific)

Division of Interior Design

Student Technology Policy:

Students in the Interior Design Division use laptops and iPads starting in their first year for an array of daily functions that include email, internet research, paper writing, course projects, and submission of course assignments and projects. iPads are required beginning in the Fall semester of the 1st year of the program for both undergraduate students and 1st professional graduate students for digital sketching, rendering, and other design and graphics studio-related projects. Laptops are required during the Spring semester of the 1st year of the programs as the use of computers increases with applications in computer-aided drafting, modeling, rendering, and animation. Students will be required to use their iPads during studio and lecture classes starting in the Fall semester of their 1st year and laptops and iPads during studio and lecture classes from the second semester of the 1st year. Use of both devices will continue through the end of the undergraduate and 1st professional graduate programs **Students will also be required to have a three-terabyte external hard drive or equivalent cloud storage and a wireless mouse (left and right click buttons and scrolling wheel) at the beginning of the second semester of their 1st year.** Students must begin the program with an iPad and laptop that meets the system specifications outlined in this document. Students should expect to upgrade memory or speed over the recommended system specifications as usage increases in the upper-level studios.

iPad Requirements:

Best	Better	Good
iPad Pro	iPad Air	iPad A16
11"/13" Screen Size	11"/13" Screen Size	11" Screen Size
256 GB Storage (minimum)	256 GB Storage (minimum)	256 GB Storage (minimum)
8G Ram	8G Ram	N/A
M4 Chip	M3 Chip	A16 Chip
\$999/\$1,299	\$699/\$899	\$449

Apple Pencil Requirements:

Good	Better
Apple Pencil USB-C	Apple Pencil Pro
\$79	\$129

Interior Design iPad App Requirements:

- Procreate
- Concepts & at least the basic starter pack of tools
- Color Wheel
- Adobe Acrobat
- Microsoft Office
- Genuis Scanner

Laptop Requirements:

The Division of Interior Design has created a three-tiered system for students to be able to choose their preferred level of computer performance. These tiers are to provide students with expectations of performance for the software that will be used. We highly recommended that you only look at Windows-based computers and **do not recommend Apple/macOS**. Please see the following pages with additional information and recommendations:

YOU INTERIOR DESIGN LAPTOP COMPUTER REQUIREMENTS
Windows Only, Pre-Built Computers
Fall 2025/Spring 2026

Important note concerning current or future Apple/macOS users: if you have already invested in an apple laptop/computer, you will likely have issues with some software that require a specific type of GPUs or CPUs. Some software applications utilized in the program are not compatible with macOS, and will require you to install either Bootcamp or Parallels to be able to run Windows. If you're looking into investing in a new machine, we highly recommended that you only look at Windows-based computers so you won't need to worry about installing Bootcamp/Parallels and overwork your computer or run into constant issues. We also recommend avoiding tablet-laptop hybrids at all costs, no matter what operating system they have.

Tier I (Moderate)- Minimum			Tier II Compatible Software & Loads	Price Range
Specs	Processor/CPU	AMD Ryzen 5 2600, Intel Core i7-4790 equivalents (Intel or AMD Processor scoring a single thread CPUMark of 2,200 or higher.)*	<ul style="list-style-type: none"> - Microsoft Office (should run with ease.) - Adobe Products (should run with ease.) - Autodesk AutoCAD (should run with ease.) - Autodesk Revit (should run with ease.) - SketchUp (should run small projects with ease.) - Lumion (should run small projects with ease.) It is not able to run Lumion liveSync. - Enscape (should run small projects with ease.) - ElumTools (should run with ease.) - It is not able to handle two or three software at the same time. 	\$2,000 - \$3,500 or more.
	Graphic Card/GPU	Nvidia GeForce RTX 2070, AMD Radeon RX 5700XT equivalents, with 8 GB memory.**		
	Memory/RAM	16 GB or 32 GB (Lumion might require 32 GB for better performance.)		
	Internal Hard Drive	1 TB SATA3 SSD or HDD.		
	Miscellaneous	<ul style="list-style-type: none"> - Operating system: Windows 11 64-bit. - Screen resolution: 1920 x 1080 pixels or higher. - USB Ports. - Built-in Speakers. - Bluetooth and wireless internet connection. - 2 TB or 4 TB external hard disk for backups and system image. 		
			Notes: render times should be decent and computer might crash less when creating large or complex scenes. Some multitasking should be doable with such specs.	

Tier II ***-Recommended			Tier III Compatible Software & Loads	Price Range
Specs	Processor/CPU	AMD Ryzen 7 3700X, Intel Core i7-7700K equivalents (Intel or AMD Processor scoring a single thread CPUMark of 2,600 or higher.)*	<ul style="list-style-type: none"> - Microsoft Office (should run with ease.) - Adobe Products (should run with ease.) - Autodesk AutoCAD (should run with ease.) - Autodesk Revit (should run with ease.) - SketchUp (should run medium projects with ease.) - Lumion (should run medium projects with ease.) It is able to run Lumion liveSync. 	\$2,500 - \$5,000 or more.
	Graphic Card/GPU	Nvidia GeForce RTX 3080 equivalents, with 11 GB memory or more. **	<ul style="list-style-type: none"> - Enscape (should run medium projects with ease.) 	
	Memory/RAM	64 GB	<ul style="list-style-type: none"> - ElumTools (should run with ease.) 	
	Internal Hard Drive	1 TB, 2 TB, or 4 TB SATA3 SSD or HDD.	<ul style="list-style-type: none"> - It is able to handle two or three software at the same time. 	
	Miscellaneous	<ul style="list-style-type: none"> - Operating system: Windows 11 64-bit. - Screen resolution: 1920 x 1080 pixels or higher. - USB Ports. - Built-in Speakers. - Bluetooth and wireless internet connection. - 2 TB, 6 TB or 8 TB external hard disk for backups and system image. 	<p>Notes: render times should be decent depending on how complex the scene is and computer crashes might be non-existent or minimum depending on how many software are operating at a given point. Multitasking with such specs should be doable.</p>	

Tier III (Maximum)***-High-end requirement			Tier IV Compatible Software & Loads	Price Range
Specs	Processor/CPU	10th Generation Intel® Core™ i9-10980HK (8-Core, 16MB Cache, up to 5.3GHz Max Turbo Frequency)	<ul style="list-style-type: none"> - Microsoft Office (should run with ease.) - Adobe Products (should run with ease.) - Autodesk AutoCAD (should run with ease.) - Autodesk Revit (should run with ease.) - SketchUp (should run with ease.) - Lumion (should run large to complex projects with ease.) - Enscape (should run large to complex with ease.) 	\$5,400 - \$8,000 or more.
	Graphic Card/GPU	NVIDIA® GeForce RTX™ 3080 or 3090	<ul style="list-style-type: none"> - ElumTools (should run with ease.) 	
	Memory/RAM	64 GB or 128 GB	<ul style="list-style-type: none"> - LiveSync of Lumion with various software such as AutoCAD, Revit, and SketchUp. 	
	Internal Hard Drive	2 TB SATA3 HDD+ 2TB SSD.	<ul style="list-style-type: none"> - It is able to handle two or three software at the same time. 	
	Miscellaneous	<ul style="list-style-type: none"> - Operating system: Windows 11 64-bit. - Screen resolution: 1920 x 1080 pixels or higher. - USB Ports. - Built-in Speakers. - Bluetooth and wireless internet connection. - 2 TB, 6 TB or 8 TB external hard disk for backups and system image. 	Notes: render times should be decent depending on how complex the scene is and computer crashes might be non-existent or minimum depending on how many software are operating at a given point. Multitasking with such specs should be doable.	

*Check CPU/CPUmark benchmarks here to see similar options: <https://www.cpubenchmark.net/singleThread.html>

** Check GPU/G3D benchmarks here to see similar options: https://www.videocardbenchmark.net/high_end_gpus.html

*** You can go higher than tier II requirements if you'd like, but keep in mind that your computer might not use the full capacity of your specs. You can stay within tier II and still manage to work without minimum issues, but having a machine with tier II specs has its perks when it comes to operating multiple software at once, or rendering complex projects faster and with ease.

**** The price ranges set are purely estimates. Prices vary depending on specs and brand.

General notes:

- Internal hard drives capacity is a critical detail. The lowest you can go is 512 GB due to today's software requiring a decent amount of space to install, files are becoming heavy, and last thing one would need to worry about is what to delete in order to make space for other files. 1 TB is a happy medium, 2 TB or more is for peace of mind.

- As for external hard drives, you can either get a single hard drive or multiple ones, it depends on how you prefer to organize and access your files. Pro tip: get three, two for backups and system images, and one that contains a copy of your asset library and completed project files that you no longer need on your computer's internal hard drive. Don't forget to backup your computer and update your system image at least once a week. Also, invest in DropBox's Plus plan to get a 2 TB worth of cloud storage for those extra important files.

- Gaming laptops/PCs are great for architectural/interior projects. Just make sure the specs are somewhat similar to the tier you're aiming for. You can check lists similar to this one: <https://www.pcgamer.com/best-gaming-laptop/> to check/compare different specs and brands.

- You might see M.2 and NVMe SSD mentioned as internal hard drives in some laptops/PCs. These are just hard drives with new technology that makes them operate faster.

**Many of our students find it beneficial to have a tablet or iPad to create digital sketches and markups of digital drawings throughout the design process. These devices are not required and do not replace the laptop requirements listed above.

Interior Design Computer Software Requirements: *Software versions installed on student laptops need to be the same versions installed in the GCA computer lab unless noted otherwise.*

- Microsoft Office
- AutoCAD Architecture
- Autodesk Revit
- Autodesk Revit Cloud Worksharing
- Adobe CS Suite
- ComCheck
- Lumion
- Enscape
- SketchUp (free version)
- AGI32
- ElumTools
- Bluebeam
- Adobe Acrobat
- Microsoft Office

Division of Landscape Architecture

Guidelines:

Students are required to use their laptops, with software below, the first semester of the Landscape Architecture program.

Configuration	Minimum	Recommended
Processor	Intel/AMD processor scoring a single thread CPUMark of 2,200 or higher. (Such as the AMD Ryzen 5 1600X, Intel Core i7-4790S or better)	Intel/AMD Processor scoring a single thread CPUMark of 2,600 or higher. (Such as the AMD Ryzen 5 3600, Intel Core i5-8600 or better)
System Memory	16 GB or more	32 GB or more
Hard Drive	Minimum 1 TB	1 TB or more
Graphics Card	8 GB or more	10 GB or more
Miscellaneous	Up-to-date Windows 11 Screen resolution 1920 x 1080 pixels USB A ports Built-in Speakers Webcam Mouse	Up-to-date Windows 11 Screen resolution 1920 x 1080 pixels USB A ports Built-in Speakers Webcam Mouse
Other	2 TB External Hard Disk	2-4 TB External Hard Disk

Landscape Architecture Software Requirements:

- Microsoft Office
- AutoCAD Architecture
- Rhinoceros 8
- Lumion (Educational)
- SketchUp Pro 2023 (Student License)
- Google Earth Pro
- Adobe CS Suite
- ArcGIS Pro 3.5 (Student License)
- Land F/X
- Esri City Engine

Division of Regional and City Planning

Guidelines:

Students are required to use their laptops for basic word processing and data analysis the first semester of the Regional & City Planning program. Students are required to use their laptops with GIS and related supporting software during their first semester. Some software may be provided free of cost by the instructor when possible. Software listed below is Microsoft Windows compatible only.

Recommended Minimum Laptop Configuration:

Processor	4 th Gen Intel Core i5 2.6GHz or better
Memory	8GB of RAM or better
Hard Drive	128GB HDD minimum
Graphics Card	1GB GPU or better
Miscellaneous:	-802.11G/N wireless or better -USB-A Ports -Built-in Speakers -1920 x 1080 resolution display -Windows 11 -Webcam

Regional & City Planning Software Requirements:

- Microsoft Office
- Student license ArcGIS 10.2.2 or later (first semester of program)
- SketchUp Pro (first semester of program)
- Google Earth

Haskell and Irene Lemon Construction Science Division Guidelines:

Students in the Construction Science Division use laptops starting in the first semester of their freshman year for an array of daily functions that include email, internet research and paper writing. The use of computers increases in the sophomore first semester with the Computers in Construction course in which students learn CAD, 3D modeling, and spreadsheet software.

Please note that many of the programs used in the construction industry, and thus in the Construction Science program, are not Mac compatible. Students who choose to use Mac computers nearly always have technical difficulties that cause them to fall behind in classes.

Software with intense processing and memory requirements will be utilized as students advance through the program. It is suggested that undergraduate students enter the program with a minimally equipped laptop with the GCA system specifications. Laptops meeting the system specifications above will be required by the second semester of the freshmen year. Graduate students will be required to enter the first semester of their first year with a laptop meeting the system specifications listed. Students may discover a need to increase memory or speed beyond recommended system specifications and should be considered with the initial laptop purchase.

Also, certain courses may require the use of a webcam, please consider laptops with a built-in webcam, otherwise, you may be asked to purchase an additional webcam.

Recommended Minimum Laptop Configuration:

OS	Windows 11
Processor	Intel ® Core ™ i7-3840QM CPU @ 2.80GHz or better
Memory	16GB of RAM or better
Hard Drive	128 GB HDD minimum or better
Graphics Card	1 GB Graphics Card (DirectX Compatible) or better
Miscellaneous:	-802.11G/N wireless or better -USB-A Ports -Built-in Speakers -1920 x 1080 resolution display -Webcam

Construction Science Software Requirements:

- Autodesk Revit
- Autodesk Navisworks Manage
- Bluebeam Revu eXtreme
- Microsoft Office
- Microsoft Project
- Primavera P6
- SketchUp Pro
- Synchro Pro