

Effective Fall 2020, all students pursuing a degree offered by the University of Alabama College of Engineering are required to have a laptop which meets or exceeds the minimum specifications below.

2023– 2024 LAPTOP SPECIFICATIONS

- ***It is highly recommended that students in any of the engineering degree programs have a Windows-based laptop. Computer Science and Cyber Security students are excluded from this recommendation and can use either a Windows or Mac laptop.***
- Many engineering software packages only run on Microsoft Windows
- Students who opt for a Mac are responsible for installing and maintaining Windows Operating System if Windows-based software is required for any classes
- The College of Engineering cannot provide technical support for installing or troubleshooting Windows on a Mac laptop

MICROSOFT WINDOWS LAPTOPS

MINIMUM HARDWARE AND OS SPECIFICATIONS

PROCESSOR	Intel Core i5 processor or AMD equivalent (i7 recommended)
MEMORY	8 GB RAM (16 GB recommended)
STORAGE	500 GB hard drive (Solid-state drive is recommended)
VIDEO	1600 x 900 resolution (1920 x 1080, strongly encouraged)
GPU	A separate video card is recommended for better performance
OPERATING SYSTEM	Microsoft Windows 10 or 11

APPLE MACINTOSH LAPTOPS

MINIMUM HARDWARE AND OS SPECIFICATIONS

PROCESSOR	Intel Core i5 or higher
MEMORY	16 GB RAM
STORAGE	500 GB hard drive (Solid-state drive is recommended)
VIDEO	1600 x 900 resolution with minimum screen size of 13 in. (15 in recommended)
OPERATING SYSTEM	macOS 12.2 (Monterey) or later is recommended

Note: M1 MacBooks require Parallels to run Windows. Parallels is not provided or supported by UA.

SOFTWARE

ALL UA COLLEGE OF ENGINEERING STUDENTS ARE ABLE TO DOWNLOAD THE FOLLOWING SOFTWARE AND USE IT FREE OF CHARGE AS LONG AS THEY ARE ENROLLED:

ABAQUS *	MATHEMATICA	MINITAB
ANSYS *	MATLAB	QUARTUS PRIME *
ARCGIS *	MICROSOFT OFFICE 365	REVIT *
CHEMCAD *	MICROSOFT PROJECT *	SOLIDWORKS *
CIVIL 3D *	MICROSOFT VISIO *	TECPLOT
LABVIEW *	MICROSOFT VISUAL STUDIO	

*indicates software that will not run natively on Mac operating systems

For additional information please visit: <http://tech.eng.ua.edu/laptop/>