



Engineering Computer Requirements and Support

JUNE 12, 2024

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Questions?

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Computer Requirements Fall 2024- Spring 2025

- You do not have to purchase from the Bookstore (there are advantages though).
- Only Computer Science Majors should purchase a MacBook. Surface Pro X (w/ ARM CPU), iOS, Androids, and Chromebooks are NOT acceptable.
- Don't skip the warranty.
- The graphics card will help with graphics heavy applications (Solidworks, Autocad, etc.). Many of these will be used in later years of your major.

Min Requirement

Operating System	Windows 11 (64bit) (MacOS and Chrome OS not supported)*
Processor	Intel 13th gen I5/i7 or Intel Core Ultra 5/7 Series 1 or AMD Ryzen 5/7 7030/7040/8000 Series; or higher
Memory	32 GB RAM
Storage	500 GB or larger Solid State Drive (SSD) or higher
Warranty	4 Year w/ accident protection
Graphics Card	Discrete/dedicated graphics card with 4GB Video RAM or higher (NVIDIA / AMD Only)
Video Conferencing Tools	Video Camera; Headset or Microphone/Speakers
Backup	Cloud Drive Service or 500 GB external SSD drive.

More info at: <https://eng.vt.edu/it/requirement>

Purchasing Options:

<https://eng.vt.edu/admissions/computer-requirement/options-for-purchase.html>

Software Bundles

- Both are required.
- Undergraduate Bundle should already be available a few months before classes begin.
- Engineering Bundle will be available the week before classes. (along with price).
- No need to install all Engineering software right away.

Engineering info can be found at:

<https://eng.vt.edu/it/requirement>

University Software Service Center

Web: <https://software.vt.edu>

Ticket: <https://software.vt.edu/help>

Email: studentsoftware@vt.edu

Phone: 540-231-3969

Undergraduate Software Bundle - \$67 (2023 price)

- ✓ Microsoft Office 365
- ✓ Microsoft Windows

Engineering Software Bundle - ~\$100 (2023 price)

- ✓ **MATLAB:** Mathematical analysis software
- ✓ **SOLIDWORKS:** 3D CAD design software
- ✓ **PDF Annotator:** Note taking and document revision software
- ✓ **Microsoft Azure Dev Tools:** Microsoft developer tools
- ✓ **Microsoft Project and Visio:** Project management and diagramming software
- ✓ **SAS JMP Pro:** Statistical analysis software
- ✓ **CATME:** Teamwork software

Other software commonly used:

- ✓ No Cost: AutoCAD, Mathematica, Google*, Pulse VPN, Zoom, etc.
- ✓ Open Source: R, Python, Linux, etc.

<https://it.eng.vt.edu/software/undergraduate-software.html>

- ✓ **Google Changes:** <https://it.vt.edu/projects/google-changes.html>

Free Computer Support

by the Eng. Software Assistance Triage (SWAT) Office

Technical Support

Hardware and Software Diagnostics
Driver Issues
Virus Removal
Networking Issues



Loaning

Laptop down for repairs?
Get a loaner from us while you wait.



Installations

We can help get you on the right path; whether it's a reinstall of Windows, the latest version of MATLAB, or getting boot camp to work.



Contact

<https://swat.eng.vt.edu>
swat@vt.edu
540-231-7815



Questions?



Computer Requirements

Engineering Instructional Technology Team

Web: <https://eng.vt.edu/it/requirement>

Email: engtechteam@vt.edu

Phone: 540-231-9076



Software Bundles

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Computer Support

Software Assistance Triage (SWAT)

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Email: swat@vt.edu

Phone: 540-231-7815



Bookstore Purchasing

Hokie Centric

Web: <https://hokieshop.com>

Email: 2131mgr@follett.com

Phone: 540-231-6114

Ordering: 844-884-6543