



# Engineering Computer Requirements and Support

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# 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



## Software Bundles

- Both are required.
- Undergraduate Bundle should already be available. Emails sent earlier this month.
- Engineering Bundle will be available the week before classes. (along with price).
- No need to install all Engineering software right away.

**More info can be found at:**

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

<https://software.vt.edu>

### Undergraduate Software Bundle - \$80

- ✓ Microsoft Office 365
- ✓ Microsoft Windows

### Engineering Software Bundle - ~\$82

- ✓ **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.

## Computer Requirements Fall 2021

- You do not have to purchase from the Bookstore (there are advantages though).
- Intel-based Macs are ok, just be aware there is extra work installing Windows.
- M1 MacBook's, Surface Pro X (w/ ARM CPU), iOS, Androids, and Chromebooks are NOT acceptable.
- Don't skip the warranty.
- The active stylus turns your laptop into a digital tablet. Great for taking notes and completing assignments digitally.
- The graphics card will help with graphics heavy applications (Solidworks, Autocad, etc.).

	Min Requirement	Recommendation
<b>Operating System</b>	Windows 10, 64 bit	Windows 10, 64 bit
<b>Processor</b>	Intel 9 <sup>th</sup> Gen i5 or i7	Intel 10 <sup>th</sup> Gen i7
<b>Memory</b>	16 GB RAM	16 GB RAM
<b>Hard Drive</b>	500 GB or larger Solid State Drive (SSD)	1 TB or larger Solid State Drive (SSD)
<b>Warranty</b>	3 Year w/ accident protection	4 Year w/ accident protection
<b>Input Tool</b>	--	Integrated Active Stylus (Wacom or N-trig)
<b>Graphics Card</b>	--	Discrete/Dedicated (such as NVIDIA or AMD)
<b>Video Conferencing Tools</b>	Functional Mic, Speakers, & Camera	Headset with Mic & built-in or external camera

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

# Questions?



## Computer Requirements

### Engineering Instructional Technology Team

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

Email: [engtechteam@vt.edu](mailto:engtechteam@vt.edu)

Phone: 540-231-9076



## Software Bundles

### University Software Service Center

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

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

Email: [studentsoftware@vt.edu](mailto:studentsoftware@vt.edu)

Phone: 540-231-3969



## Computer Support

### Software Assistance Triage (SWAT)

Web: <https://swat.eng.vt.edu>

Ticket: <https://swat.eng.vt.edu/request-help>

Email: [swat@vt.edu](mailto:swat@vt.edu)

Phone: 540-231-7815



## Bookstore Purchasing

### Hokie Centric

Web: <https://hokieshop.com>

Email: [2131mgr@follett.com](mailto:2131mgr@follett.com)

Phone: 540-231-6114

Ordering: 844-884-6543