Engineering Computer Requirements and Support

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Free Computer Support
by the Eng. Software Assistance Triage (SWAT) Office

Installation
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.

Technical Support
Hardware and Software Diagnostics
Driver Issues
Virus Removal
Networking Issues

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

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

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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.).

### Computer Requirements

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

More info at: [https://eng.vt.edu/it/requirement](https://eng.vt.edu/it/requirement)
Questions?

**Computer Requirements**

Engineering Instructional Technology Team
Web: [https://eng.vt.edu/it/requirement](https://eng.vt.edu/it/requirement)
Email: engtechteam@vt.edu
Phone: 540-231-9076

**Computer Support**

Software Assistance Triage (SWAT)
Web: [https://swat.eng.vt.edu](https://swat.eng.vt.edu)
Ticket: [https://swat.eng.vt.edu/request-help](https://swat.eng.vt.edu/request-help)
Email: swat@vt.edu
Phone: 540-231-7815

**Software Bundles**

University Software Service Center
Web: [https://software.vt.edu](https://software.vt.edu)
Ticket: [https://software.vt.edu/help](https://software.vt.edu/help)
Email: studentsoftware@vt.edu
Phone: 540-231-3969

**Bookstore Purchasing**

Hokie Centric
Web: [https://hokieshop.com](https://hokieshop.com)
Email: 2131mgr@follett.com
Phone: 540-231-6114
Ordering: 844-884-6543