Recommended Computer Specifications for
College of Engineering Students

The recommendation below will work well for all academic degrees within the College of Engineering as an entry level computer. **Be sure to check with individual academic programs for any advance configuration requirements.**

- Chemical Engineering **che@tntech.edu**
- Civil & Environmental Engineering **cee@tntech.edu**
- Computer Science **csc@tntech.edu**
- Electrical & Computer Engineering **ece@tntech.edu**
- General & Basic Engineering **engr@tntech.edu**
- Manufacturing & Engineering Technology **met@tntech.edu**
- Mechanical Engineering **me@tntech.edu**
  For Mechanical Engineering majors a Macintosh is only recommended for highly experienced Mac users comfortable running and managing their programs using a virtual PC emulator.

Microsoft Windows Laptops

- Processor: Intel Core i7 processor or equivalent
- Memory: 16GB RAM
- Storage: 1TB solid state drive (SSD) or more - strongly recommended
- Nvidia graphics recommended. Video: 1920 x 1080 resolution. 4K displays may have to be operated at a lower screen resolution to be compatible with some software. Several departments will make use of SolidWorks. There have been some reported issues of graphics cards not being compatible with this program. Students may want to consult **https://www.solidworks.com/support/hardware-certification** for a list of tested and certified graphics cards for SolidWorks.
- Operating System: Microsoft Windows 11

Apple Macintosh Laptops

- Please be aware: Not all classes uses Mac software and not all software work with Apple computers.
- Recommended Hardware and OS Specifications
- Processor: M series processors (Warning: not all software is compatible)
- Memory: 8GB RAM (16GB strongly recommended, especially if you plan to also run Windows)
- Storage: 500GB solid state drive (SSD) (1TB SSD strongly recommended)
- Video: 1920 x 1080 resolution with minimum screen size of 13 in. (15 inches is probably better or access to an additional monitor). See note under Windows machines for SolidWorks compatibility.
- Operating System: Monterey or later

Recommended Accessories

- *** Laptops with only USB-C or Thunderbolt ports will likely require dongles for easier compatibility with USB-3 on campus ***
- USB Flash Drive (64GB or higher)
- USB External Hard Drive (500GB or higher)
- A mouse MAY be preferred over a trackpad; brand/type does not matter.

Hardware and Software Discounts for Tech Employees and Students

- Search "**Pricing for Home Use**" on **myTECH Self Service**.
- Don't forget: **Tennessee Department of Revenue Tax Free Weekend**