Machine Tool Technology - Laptop Requirements Specifications

Computers are required by the 1st day of the semester. These are minimum and recommended requirements. Students may source their computer from any vendor and can choose whichever brand, make or model of computer they personally desire. If students have questions about whether their laptop meet these specifications, please contact the IT department at (307) 675-0555.

Please see the following link for computer requirements (some of the information has been copy and pasted below)

https://www.autodesk.com/support/technical/article/caas/sfdcarticles/sfdcarticles/System-requirements-for-Autodesk-Fusion-360.html

Operating System (Required)
Windows 11, version 22H2
(Build 22621 or newer)
(Mac is not recommended because of additional software requirements to run windows based programs)
(No Chromebooks)
Processor
x86-64 processor
8+ performance cores, 16+ threads
3GHz+ base clock rate
Memory
32GB+ (recommended)
Hard Drive
15GB+ *for installation and cached data*
Solid State Disk

Graphics
8GB+ Memory
Dedicated Graphics
DirectX11 (Direct3D 10.1 or greater)
For professional Fusion usage, Autodesk recommends Certified Graphics Hardware like AMD Radeon Pro WX, Intel Arc Pro, and Nvidia Quadro or similar.
For hobbyist usage, consumer graphics similar to AMD Radeon RX 7000, Intel Arc A700, and Nvidia GeForce RTX 4000 series are generally compatible with Fusion, but have not been validated for use with the application by card vendors nor Autodesk.

Display
3480x2160 (4K) @60Hz (200% scale) (recommended)
High resolution canvas graphics

Software
Free downloads for Microsoft Office Suite for all registered students. Machine Tool Faculty will provide you with free downloads for all other required software.

Other Requirements
All students, staff and faculty must comply with the network acceptable rules of use found here:
https://mynwccd.sheridan.edu/Technology/ITS/Documents/NWCCD_Network_Rules_of_Acceptable_Use.pdf