

Component	Minimum	Recommended	Notes
Operating System	Windows 10 Home (English Version), 64-bit		Windows 7, Windows 8.1, Windows XP and Windows Vista are NOT acceptable. Mac (Apple) and Chromebooks are NOT supported. Smartphones are NOT acceptable.
Processor	Intel i5 series	i7 9700 series	AMD Quad Core processor is acceptable.
Memory	16GB	16GB+	More is better.
Storage	512GB	512GB SSD, M.2 NVMe	There will be significant performance improvement over HDD by using SSD M.2 NVMe.
Display	12 inch	1920 x 1080 resolution or better, 13 inch+ or external monitor	12.5 to 14 inch offers best balance between usability and portability. Higher resolution is best for 3D CAD.
Graphics Card	Dedicated graphics card	NVidia Quadro or AMD Radeon Pro dedicated CAD graphics card	Required for 3D CAD and other specialized software
Wi-Fi	IEEE 802.11n	IEEE 802.11ac	There are minimal LAN connections so your Wi-Fi component needs to meet the standard.
Ports	One USB 2 Headphone VGA or HDMI	Two USB 2+ HDMI 1.4b Ethernet	The more ports available, the more options you have.
Webcam	Internal, 720p		Recommend external 780p if using external monitor
Keypad		Full keyboard (includes number pad)	Number pad will assist with frequent number entry in program courses
Other Software	Antivirus with anti-malware software is strongly recommended.		