

DRAFTING AND DESIGN TECHNOLOGY COMPUTER REQUIREMENTS

For Drafting, Design, Modeling, and Rendering Software

NOTE:

The following are the hardware and software specifications for installing and supporting the design software used for courses taken in TSTC's Drafting and Design Technology programs, including Architectural/Civil Drafting, Architectural Design and Engineering Graphics, and Engineering Graphics and Design. For systems which do not meet Minimum-Level Requirements, please ask your instructor for more information.

| System Requirements for 2022 Versions of AutoCAD, Revit, SolidWorks, and Lumion (Windows) | |
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| Operating System | REQUIRED: Up-to-date Windows 10 (64-bit) or newer (Mac OS computers are NOT supported or recommended) |
| Processor (CPU) | Recommended: Intel/AMD Processor scoring a single thread CPUMark of 2200 or higher (Such as the AMD Ryzen 5 2600, Intel Core i7-4790 or better) Use the following link for reference: https://www.cpubenchmark.net/singleThread.html Minimum: Intel/AMD Processor scoring a single thread CPUMark of 2200 or higher (Such as the AMD Ryzen 5 1500X, Intel Core i7-3770K or better) |
| Memory (RAM) | Recommended: 32GB or higher Minimum: 16GB or higher |
| Display Resolution | Minimum: 1920 x 1080 (1080p) or higher |
| Display Card (Video Graphics Card) | Recommended: Graphics card scoring a G3DMark of 14,000 or higher with up-to-date drivers (NVIDIA GeForce RTX 2070, NVIDIA Quadro RTX 4000, AMD Radeon RX 5700XT or better). Use the following link for examples: https://www.videocardbenchmark.net/high_end_gpus.html Minimum: Graphics card scoring a G3DMark of 7,000 or higher with up-to-date drivers (NVIDIA GeForce GTX 1650, Quadro K6000, AMD Radeon RX 470 or better). |
| Graphics Card Memory | Recommended: 8 GB or more Minimum: 4 GB or more |
| Disk Space (Hard Drive) | Recommended: 500 GB or more of free space (more recommended to store files) Minimum: 250 GB of free space |
| Network | REQUIRED: Internet service is required to activate all software. Internet service is required to launch SolidWorks and Lumion. |