

The WDT CAD Program utilizes high-end, 3D design software. In an effort to avoid difficulties resulting from insufficient or incompatible hardware, WDT recommends that students purchase a laptop with specs that exceed the capabilities of a typical office-based computer. The requirements detailed below are not WDT requirements, but are those set forth by the software developers, Autodesk, Inc.

System Requirements

The WDT CAD Program recommends purchasing a laptop PC with a 17” monitor. The following configuration is taken from the system requirements page for Autodesk Revit 2017 at Autodesk.com. For a complete list of system requirements, go to: <http://knowledge.autodesk.com/support/revit-products/troubleshooting>

System requirements for AutoCAD 2019 including Specialized Toolsets	
Operating System	<ul style="list-style-type: none"> Microsoft® Windows® 7 SP1 with Update KB4019990 (32-bit & 64-bit) Microsoft Windows 8.1 with Update KB2919355 (32-bit & 64-bit) Microsoft Windows 10 Anniversary Update (64-bit only) (version 1607 or higher)
Processor	Basic: 2.5–2.9 GHz processor Recommended: 3+ GHz processor
Memory	Basic: 8 GB Recommended: 16 GB
Display Resolution	Conventional Displays: 1920 x 1080 with True Color High Resolution & 4K Displays: Resolutions up to 3840 x 2160 supported on Windows 10, 64 bit systems (with capable display card)
Display Card	Basic: 1 GB GPU with 29 GB/s Bandwidth and DirectX 11 compliant Recommended: 4 GB GPU with 106 GB/s Bandwidth and DirectX 11 compliant
Disk Space	6.0 GB
Browser	Google Chrome™ (for AutoCAD Web)
Network	Deployment via Deployment Wizard. The license server and all workstations that will run applications dependent on network licensing must run TCP/IP protocol. Either Microsoft® or Novell TCP/IP protocol stacks are acceptable. Primary login on workstations may be Netware or Windows. In addition to operating systems supported for the application, the license server will run on the Windows Server® 2016, Windows Server 2012, Windows Server 2012 R2, and Windows Server 2008 R2 editions. Citrix® XenApp™ 7.6, Citrix® XenDesktop™ 7.6.
Pointing Device	MS-Mouse compliant
.NET Framework	.NET Framework Version 4.7

Software

Students are not required to purchase any of the required design software (Autodesk or PTC). WDT will be providing Microsoft Office 365. The software is only valid while you are a current student attending WDT.

Western Dakota Tech is a PC campus. Chromebooks and Apple products do not meet laptop requirements and are known to not be compatible with software used in our courses.