

Current CADD Student Computer Requirements

Basic computer and internet requirements:

OS: Windows 7/10 64bit

Memory: 8GB

Storage: 250GB internal hard drive (50 GB free)

High speed internet connection (50Mbps or greater)

The above requirements are needed to remotely access CADD software and to access the online Learning Management System. If you do not have the hardware listed above, please contact cadd@kpu.ca

If you would like to download the educational version of AutoCAD (free), students will need the following:

System requirements for AutoCAD 2020	
Operating System	<ul style="list-style-type: none"> • Microsoft® Windows® 7 SP1 with Update KB4019990 (64-bit only) • Microsoft Windows 8.1 with Update KB2919355 (64-bit only) • Microsoft Windows 10 (64-bit only) (version 1803 or higher)
Processor	<p>Basic: 2.5–2.9 GHz processor Recommended: 3+ GHz processor Multiple processors: Supported by the application</p>
Memory	<p>Basic: 8 GB Recommended: 16 GB</p>
Display Resolution	<p>Conventional Displays: 1920 x 1080 with True Color</p> <p>High Resolution & 4K Displays: Resolutions up to 3840 x 2160 supported on Windows 10, 64-bit systems (with capable display card)</p>
Display Card	<p>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</p>
Disk Space	6.0 GB
Browser	Google Chrome™ (for AutoCAD web app)
Network	<p>Deployment via Deployment Wizard.</p> <p>The license server and all workstations that will run applications dependent on network licensing must run TCP/IP protocol.</p> <p>Either Microsoft® or Novell TCP/IP protocol stacks are acceptable. Primary login on workstations may be Netware or Windows.</p> <p>In addition to operating systems supported for the application, the license server will run on the Windows Server® 2016, Windows Server 2012, and Windows Server 2012 R2 editions.</p>
Pointing Device	MS-Mouse compliant
.NET Framework	<p>.NET Framework Version 4.7 or later *DirectX11 recommended by supported OS</p>

System requirements for AutoCAD for Mac 2020	
Operating System	<ul style="list-style-type: none"> • Apple® macOS® Catalina v10.15 (requires Update 2020.1) • Apple® macOS® Mojave v10.14 • Apple® macOS® High Sierra v10.13
Model	Apple Mac Pro® 4,1 or later; MacBook Pro® 5,1 or later; iMac® 8.1 or later; Mac mini® 3.1 or later; MacBook Air® 2.1 or later; MacBook® 5.1 or later
CPU Type	64-bit Intel CPU (Intel Core Duo CPU, 2 GHz or faster recommended)
Memory	4 GB of RAM (8 GB or above recommended)
Display Resolution	1280 x 800 display with true color (2880 x 1800 with Retina Display recommended)
Disk Space	3 GB free disk space for download and installation
Pointing Device	Apple® Mouse, Apple Magic Mouse, Magic Trackpad, MacBook® Pro trackpad, or Microsoft-compliant mouse.
Browser	Apple Safari® 5.0 or later Google Chrome™ (for AutoCAD Web)
OS Language	All Mac OS X supported language operating systems

Architectural Students may wish to download the free Educational software but will require the following specifications:

Revit 2020			
	Minimum: Entry-Level Configuration	Value: Balanced price & performance	Performance: Large, complex models
Operating System ¹	Microsoft® Windows® 10 64-bit <ul style="list-style-type: none"> • Windows 10 Enterprise • Windows 10 Pro Note: Microsoft® Windows® 7 SP1 64-bit, Enterprise, Ultimate, and Professional are supported but not recommended.	Microsoft® Windows® 10 64-bit <ul style="list-style-type: none"> • Windows 10 Enterprise • Windows 10 Pro 	Microsoft® Windows® 10 64-bit <ul style="list-style-type: none"> • Windows 10 Enterprise • Windows 10 Pro
CPU Type	Single- or MultiCore Intel, Xeon, or i-Series processor or AMD equivalent with SSE2 technology. Highest affordable CPU speed rating recommended. Revit software products use multiple cores for many tasks.	Multi-Core Intel Xeon, or i-Series processor or AMD equivalent with SSE2 technology. Highest affordable CPU speed rating recommended. Autodesk Revit® software products use multiple cores for many tasks.	Multi-Core Intel Xeon, or i-Series processor or AMD equivalent with SSE2 technology. Highest affordable CPU speed rating recommended. Autodesk Revit® software products use multiple cores for many tasks.
Memory	8 GB RAM <ul style="list-style-type: none"> • Sufficient for a typical editing session for a single model up to approximately 100 MB on disk. This estimate is based on internal testing and customer reports. Individual models vary 	16 GB RAM <ul style="list-style-type: none"> • Sufficient for a typical editing session for a single model up to approximately 300 MB on disk. This estimate is based on internal testing and customer reports. Individual models vary 	32 GB RAM <ul style="list-style-type: none"> • Sufficient for a typical editing session for a single model up to approximately 700 MB on disk. This estimate is based on internal testing and customer reports. Individual models vary in their use

Revit 2020			
	Minimum: Entry-Level Configuration	Value: Balanced price & performance	Performance: Large, complex models
	<p>in their use of computer resources and performance characteristics.</p> <ul style="list-style-type: none"> Models created in previous versions of Revit software products may require more available memory for the one-time upgrade process. 	<p>in their use of computer resources and performance characteristics.</p> <ul style="list-style-type: none"> Models created in previous versions of Revit software products may require more available memory for the one-time upgrade process. 	<p>of computer resources and performance characteristics.</p> <ul style="list-style-type: none"> Models created in previous versions of Revit software products may require more available memory for the one-time upgrade process.
Video Display Resolutions	<p>Minimum: 1280 x 1024 with true color</p> <p>Maximum: UltraHigh (4k) Definition Monitor</p>	<p>Minimum: 1680 x 1050 with true color</p> <p>Maximum: Ultra-High (4k) Definition Monitor</p>	<p>Minimum: 1920 x 1200 with true color</p> <p>Maximum: Ultra-High (4k) Definition Monitor</p>
Video Adapter	<p>Basic Graphics: Display adapter capable of 24-bit color</p> <p>Advanced Graphics: DirectX® 11 capable graphics card with Shader Model 3</p>	<p>DirectX 11 capable graphics card with Shader Model 5</p>	<p>DirectX 11 capable graphics card with Shader Model 5</p>
Disk Space	30 GB free disk space	30 GB free disk space	30 GB free disk space 10,000+ RPM HardDrive (for Point Cloud interactions) or Solid State Drive
Media	Download or installation from DVD9 or USB key	Download or installation from DVD9 or USB key	Download or installation from DVD9 or USB key
Pointing Device	MS-Mouse or 3Dconnexion® compliant device	MS-Mouse or 3Dconnexion® compliant device	MS-Mouse or 3Dconnexion® compliant device
Browser	Microsoft® Internet Explorer® 10 (or higher)	Microsoft® Internet Explorer® 10 (or higher)	Microsoft® Internet Explorer® 10 (or higher)
Connectivity	Internet connection for license registration and prerequisite component download	Internet connection for license registration and prerequisite component download	Internet connection for license registration and prerequisite component download