

System requirements for Civil 3D 2022	
<b>Operating System</b>	64-bit Microsoft® Windows® 10. See Autodesk's <a href="#">Product Support Lifecycle</a> for support information.
<b>Processor</b>	<b>Minimum:</b> 2.5–2.9 GHz processor <b>Recommended:</b> 3+ GHz processor
<b>Memory</b>	<b>Basic:</b> 8 GB <b>Recommended:</b> 16 GB
<b>Display Resolution</b>	<b>Conventional Displays:</b> 1920 x 1080 with True Color <b>High Resolution &amp; 4K Displays:</b> Resolutions up to 3840 x 2160 supported on Windows 10 (with capable display card)
<b>Display Card</b>	<b>Basic:</b> 1 GB GPU with 29 GB/s Bandwidth and DirectX 12 compliant <b>Recommended:</b> 4 GB GPU with 106 GB/s Bandwidth and DirectX 12 compliant
<b>Disk Space</b>	16 GB
<b>Network</b>	See <a href="#">Autodesk Network License Manager for Windows</a>
<b>Pointing Device</b>	MS-Mouse compliant
<b>.NET Framework</b>	.NET Framework Version 4.8 or later

Additional Requirements for large datasets, point clouds, and 3D modeling	
<b>Memory</b>	16 GB RAM or more
<b>Disk Space</b>	6 GB free hard disk available, not including installation requirements
<b>Display Card</b>	3840x2160 (4K) or greater True Color video display adapter; 4 GB VRAM or greater; Pixel Shader 3.0 or greater; Direct3D®-capable workstation class graphics card.

#### AutoCAD Map 3D Additional Requirements (Windows Only)

FDO Provider Requirements		
FDO Provider	Certified With	Notes
<b>Microsoft SQL Server</b>	Microsoft SQL Server 2016 Standard and Enterprise Editions Microsoft SQL Server 2017 Standard and Enterprise Editions Microsoft SQL Server 2019 Standard and Enterprise Editions	Industry Models also support the versions of Microsoft SQL Server listed on the left.
<b>Oracle 12c Release 2</b>	Oracle 12.2.0.1.0 Standard Edition and Enterprise Edition	Industry Models support the same Oracle versions as listed on the left.
<b>Oracle 18c</b>	Oracle 18.3 Enterprise Edition and Standard Edition 2	Industry Models support the same Oracle versions as listed on the left.
<b>Oracle 19c</b>	Oracle 19.3 Enterprise Edition and Standard Edition 2	Industry Models support the same Oracle versions as listed on the left.

FDO Provider Requirements		
FDO Provider	Certified With	Notes
<b>Raster</b>	DEM, JPG2K, DTED, MrSID®, ECW, PNG, ESRI® Grid, TIFF, JPEG, ESRI® ASCII	
<b>Autodesk SDF</b>	3.0	
<b>ESRI ArcGIS</b>	ArcGIS® 10.8.1 ArcGIS 10.7.1 ArcGIS 10.6.1	This Provider requires ESRI licensed components to be installed on client system.
<b>MySQL</b>	8.0	
<b>ODBC</b>	The FDO ODBC provider has been tested with corresponding versions of ODBC drivers that are shipped with the relevant supported operating systems version.	
<b>OGC WMS</b>	WMS 1.3.0	
<b>OGC WMTS</b>	WMS 1.0.0	
<b>OGC WFS</b>	WFS 2.0.0	
<b>SQLite</b>	SQLite 3.27.2	
<b>PostgreSQL</b>	PostgreSQL 12.2 + PostGIS 3.0	

ODBC Drivers	Tested Versions
Microsoft® Access® Driver (*.mdb, *.accdb)	Microsoft Access database engine 2016 (English) 16.00.4999.1000
Microsoft® Excel® Driver (*.xls, *.xlsx, *.xlsm, *.xlsb)	Microsoft Access database engine 2016 (English) 16.00.4999.1000
MySQL® ODBC 8.0 Driver	8.00.22.00
SQL Server®	10.00.18362.01
Oracle® in OraClient19Home1	19.00.00.00