



# Laptop Requirements

Virtual Prototyping & Virtual Fit Technology

[Windows](#) & [macOS](#) (as of 16 Nov 2020)

## Windows

	Highly Recommended	Recommended	Minimum
<b>Processor</b>	Intel i9-9900K or AMD Ryzen 7 3800X	Intel i7-9700K or AMD Ryzen 5 3600	Intel i5-6400 or AMD Ryzen 5 1500x
<b>Operating system</b>	Windows 10 64-bit, Windows 8, 8.1 64-bit, Windows 7 64-bit CLO does not support 32bit OS system		
<b>RAM</b>	DDR4 32 GB or higher	DDR4 16 GB or higher	DDR4 8GB
<b>Graphics card</b>	NVIDIA GeForce RTX 2080 Ti or Quadro RTX 5000 At least 10 GB of video memory for high res texture Latest Nvidia drivers: <a href="#">GRD, Studio, Quadro-ODE</a>	NVIDIA GeForce RTX 2060 or Quadro P4000 At least 4 GB of video memory for high res texture Latest Nvidia drivers: <a href="#">GRD, Studio, Quadro-ODE</a>	NVIDIA GeForce GTX 960 or Quadro P2200
<b>Monitor resolution</b>	2560 x 1440 @ 60Hz	1920x1080 @60Hz	
<b>Storage</b>	SSD preferred, 20+ GB disk space		10+ GB disk space
<b>Pointing device</b>	Three button mouse		

[Find more information on CLO-3D specifications here](#)

Still unsure if your laptop would work? Contact TaF.tc for more tech support at [course\\_support@taftc.org](mailto:course_support@taftc.org)!



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## macOS

**TIP:** If your Mac was bought after 2018, it should work!

	Highly Recommended	Recommended	Minimum
<b>Processor</b>	6-core Intel Core i7 or 8-core Intel Core i9 or 6-Core Intel Xeon or higher	4-core Intel Core i5 or 6-core Intel Core i7	4-core Intel i5 or higher
<b>Operating system</b>	Catalina 10.15, Mojave 10.14, High Sierra 10.13 <ul style="list-style-type: none"><li>• MacBook / MacBook Pro 2012 and later</li><li>• iMac / iMac Pro 2012 and later</li><li>• Mac Pro 2013 and later</li><li>• Mac mini 2018 and later</li></ul>		
<b>RAM</b>	32 GB or higher	16 GB	8GB
<b>Storage</b>	SSD preferred, 20+ GB disk space	SSD preferred, 20+ GB disk space available for caching and temporary files	10+ GB disk space
<b>Monitor Resolution</b>	5120 x 2880 @ 60Hz	2560 x 1440 @ 60 Hz	1920x1080 @60Hz
<b>Pointing device</b>	Three button mouse		

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