

# Laptop Requirements

6/1/2018

	Mac	
	Recommended - 15" MacBook Pro	Minimum - 13" MacBook Pro
Processor	2.9GHz quad-core Intel Core i7	2.5GHz dual-core Intel Core i7
Memory (RAM)	16GB	16GB
Graphics card	Radeon Pro 560 with 4GB memory	Intel Iris Graphics 640
Hard disk	512GB SSD	256GB SSD
Display	Retina 15" (2880 x 1800)	Retina 13" (2560 x 1600)
Wireless	802.11ac	802.11ac
OS	OS X High Sierra and Windows 10 (Bootcamp)	OS X High Sierra and Windows 10 (Bootcamp)

	PC / Windows	
	Recommended	Minimum
	- Intel Core i7 (8th generation or better) - 2.4GHz or better processor	- Intel Core i5 (7th generation or better) - 2.7GHz or better processor
	16GB or more	8GB; more RAM highly recommended
	- Dedicated graphics card (NVIDIA or ATI/AMD) - minimum 2GB of dedicated graphics RAM (GDDR)	Intel Iris Graphics 540
	256GB or greater SSD drive	512GB SATA drive; SSD drive recommended
	14"-15" diagonal display (or greater) HD 1080p or better resolution (1920x1080), minimum	HD 1080p (1920x1080)
	802.11ac	802.11ac
	Windows 10	Windows 10

**Peripherals**

- wireless mouse
- external backup drive, 2TB or greater
- key drive, 16GB or greater
- security lock

**Required Software  
(PC and/or Mac  
versions)**

- Microsoft Windows 10 (with Bootcamp; PC only)
- Adobe Creative Cloud
- MS Office (or equivalent)
- Autodesk Autocad
- other software available from University

## Example Laptop Configurations

6/1/2018

	Mac	
	Recommended *	Minimum
Model	<a href="#">15" Mac Book Pro</a>	<a href="#">13" Mac Book Pro</a>
Laptop cost**	\$2,799.00	\$1,999.00
Estimated cost w/ software***	\$3,759.00	\$2,959.00
Processor	2.9GHz quad-core Intel Core i7	2.5GHz dual-core Intel Core i7
Memory (RAM)	16GB	16GB
Graphics card	Radeon Pro 560 with 4GB memory with 2GB GDDR5 memory	Intel Iris Plus Graphics 640
Hard disk	512GB SSD	256GB SSD
Display	Retina 15" (2880 x 1800)	Retina 13" (2560 x 1600)
Wireless	802.11ac	802.11ac
OS	OS X High Sierra and Windows 10 (Bootcamp)	OS X High Sierra and Windows 10 (Bootcamp)

	PC / Windows			
	Recommended (alternate 1)	Recommended (alternate 2)	Minimum (alternate 1)	Minimum (alternate 2)
	<a href="#">Alienware 15 (2018)</a>	<a href="#">Razer Blade (2018)</a>	<a href="#">Acer Aspire VX 15</a>	<a href="#">Dell Inspiron 15 7000 Gaming</a>
	\$2,199.99	\$1,899.99	\$999.99	\$949.99
	\$3,159.99	\$2,859.99	\$1,959.99	\$1,909.99
	2.2GHz quad-core Intel Core i7-8750H	2.2GHz quad-core Intel Core i7-8750H	2.6GHz quad-core Intel Core i7-7700HQ	2.5GHz quad-core Intel Core i5-7300HQ (3.5GHz max)
	32GB	16GB	16GB	8GB (upgrade later for \$140)
	NVIDIA® GeForce GTX 1070 OC with 8GB GDDR5	NVIDIA GeForce GTX 1060 with 6GB GDDR5	NVIDIA® GeForce GTX 1050Ti with 4GB GDDR5	NVIDIA® GeForce GTX 1050Ti with 4GB GDDR5
	512GB SSD	512GB SSD	256GB SSD drive	256GB SSD drive
	15.6" FHD (1920 x 1080) IPS	15.6" FHD (1920 x 1080)	15.6" FHD (1920 x 1080)	15.6" FHD (1920x1080) Anti-Glare LED-backlit
	802.11ac	802.11ac	802.11ac	802.11ac
	Windows 10	Windows 10	Windows 10	Windows 10

\* This is the same model offered by the College of Design Laptop Program; cost shown is for the laptop ONLY, purchased from Apple

\*\* Cost as configured; may not include education discount, shipping or taxes, etc.

\*\*\* Software costs estimated at \$960 for 3 years' licensing of Adobe; does not include other software which may be required for classes

NOTE: College of Design Laptop Program includes software, 3 year warranty, and peripherals at a cost of \$3,600, paid in six installments

## Required Software

Program*	Platform	Cost	URL
Adobe Creative Cloud Complete	PC or Mac	~\$960 for 3 years	<a href="http://www.adobe.com/creativecloud/buy/students.html">http://www.adobe.com/creativecloud/buy/students.html</a>
Autocad	PC or Mac	Free to students	<a href="http://www.autodesk.com/education/free-software/autocad">http://www.autodesk.com/education/free-software/autocad</a>
MS Office 365	PC or Mac	Free to students	<a href="https://login.microsoftonline.com">https://login.microsoftonline.com</a>
Windows 10 (needed if you purchase a Mac)	PC	Free to students	<a href="http://onthehub.com/download/free-software/windows-10-education-for-students/">http://onthehub.com/download/free-software/windows-10-education-for-students/</a>

\*Other software may be required for later courses