Hardware	Minimum	Recommended
Processor	Intel Dual Core i5 or AMD Equivalent	Intel Quad Core i7 or AMD Equivalent
RAM	8 GB	16GB expandable to 32GB
Hard Drive	256 SATA 7200RPM	512 Solid State (Flash Storage)
LCD Display	15"	15-17"
Video Card*	NVIDIA or AMD FirePro 1GB	NVIDIA or AMD FirePro 2GB or greater

*Of these recommendations the most critical is the Video Card

Important Information for Apple Users:
- Much of the software required by the programs in the school run on Windows platform only, consequently you will need to run Windows on your Macintosh.
- Bootcamp is the recommended method for running Windows. We strongly discourage running virtualization software such as VM Ware or Parallels to run Windows.
- Apple's integrated video card is not recommended.

- Be aware that there can be conflicts with Apple hardware and Windows operating system

Other Recommendations

External Mouse
External Monitor
External Hardrive (1TB minimum recommended)
USB Drive

Specific Examples of Recommended Laptops and Laptops That Meet the Minimum Requirements

		DELL		MACINTOSH	
		LAPTOP		**LAPTOP**	
		Minimum Precision 15 7000 Series (7510)	Recommended Dell Precision 7520	Minimum 15" MacBook Pro	Recommended 15" MacBook Pro
PRICE		$ 1,360.00	$ 2,348.00	$ 1,999.00	$ 2,799.00
HARDWARE					
Processor		Intel® Core™ i5-6300HQ (Quad Core 2.30GHz, 3.20GHz Turbo, 6MB 45W, w/Intel HD Graphics 530)	Intel Core i7-7700HQ (Quad Core 2.80GHz, 3.80GHz Turbo, 6MB 45W, w/Intel HD Graphics 630)	2.8GHz quad-core 7th-generation Intel Core i7 processor	2.9GHz quad-core 7th-generation Intel Core i7 processor, Turbo Boost up to 3.9GHz
RAM		8GB 2133MHz DDR4	32GB (2x16GB) 2400MHz DDR4 Non-ECC SDRAM	16GB 2133MHz LPDDR3 memory	16GB 2133MHz LPDDR3 memory
Hard Drive		500GB 2.5 inch SATA 7200 rpm	256GB M.2 PCIe Solid State Drive Class 40 plus 1TB 2.5 inch 7200 rpm SATA Hard Drive	256GB SSD storage	512GB SSD storage
LCD Display		15.6" HD TN (1366x768) Anti-Glare LED-backlit	15.6" UltraSharp™ FHD IPS(1920x1080)AG LED-backlit w/Prem Pan Grnt(72% color gamut) w/Mic, Non-touch	15" Retina display	15" Retina display
Video Card		Nvidia® Quadro® M2000M w/4GB GDDR5	NVIDIA Quadro M2200 w/4GB GDDR5	**Intel Iris Pro Graphics (integrated)	Radeon Pro 560 with 4GB memory
SOFTWARE	**Academic Price**				
MS Office365 Suite (Windows/Mac)	No Cost	Exceeds Minimum system Requirements	Exceeds Minimum system Requirements	Exceeds Minimum system Requirements	Exceeds Minimum system Requirements
Windows 7 Professional/Windows 10 Professional	$ 110.00	Exceeds Minimum system Requirements	Exceeds Minimum system Requirements	Exceeds Minimum system Requirements	Exceeds Minimum system Requirements
Adobe Creative Cloud (Price per 1yr Subscription)	$ 199.00	Exceeds Minimum system Requirements	Exceeds Minimum system Requirements	Exceeds Minimum system Requirements	Exceeds Minimum system Requirements
ArcGIS 10.x	No Cost	Exceeds Minimum system Requirements	Exceeds Minimum system Requirements	Will need to be partitioned to run Bootcamp. ArcGIS is a Windows only application	Will need to be partitioned to run Bootcamp. ArcGIS is a Windows only application
Autodesk Infrastructure Suite 2018	No Cost	Exceeds Minimum system Requirements. Meets memory recommendations. Meets display adapter recommendations	Exceeds Minimum system Requirements. Exceeds memory recommendations. Graphics card meets both the recommended and certified AutoDesk standards.	Autodesk Infrastructure Suite 2016 requires Windows operating system. Partitioning the hard drive and running Bootcamp will be necessary. Meets memory recommendations. Meets display adapter recommendations	Autodesk Infrastructure Suite 2016 requires Windows operating system. Partitioning the hard drive and running Bootcamp will be necessary. Exceeds memory recommendations. Meets display adapter recommendations
Autodesk Building Design Suite 2018	No Cost	Exceeds Minimum system Requirements. Meets memory recommendations. Meets display adapter recommendations	Exceeds Minimum system Requirements. Exceeds memory recommendations. Graphics card meets both the recommended and certified AutoDesk standards.	Autodesk Building Design Suite 2016 requires Windows operating system. Partitioning the hard drive and running Bootcamp will be necessary. Meets memory recommendations. Meets display adapter recommendations	Autodesk Building Design Suite 2016 requires Windows operating system. Partitioning the hard drive and running Bootcamp will be necessary. Exceeds memory recommendations. Meets display adapter recommendations
Autodesk Entertainment Suite 2018	No Cost	Exceeds Minimum system Requirements. Meets memory recommendations. Meets display adapter recommendations	Exceeds Minimum system Requirements. Exceeds memory recommendations. Graphics card meets both the recommended and certified AutoDesk standards.	Autodesk Infrastructure Suite 2016 requires Windows operating system. Partitioning the hard drive and running Bootcamp will be necessary. Meets memory recommendations. Meets display adapter recommendations	Autodesk Infrastructure Suite 2016 requires Windows operating system. Partitioning the hard drive and running Bootcamp will be necessary. Exceeds memory recommendations. Meets display adapter recommendations
* Rhinoceros 3D 5 (Windows)	$ 139.95	Exceeds Minimum system Requirements	Exceeds Minimum system Requirements		
* Rhinoceros 3D 5 (Mac)	$ 74.95			Exceeds Minimum system Requirements	Exceeds Minimum system Requirements
* SketchUp Pro (Price per 1yr Subscription)	$ 49.00	Exceeds Minimum system Requirements	Exceeds Minimum system Requirements	Exceeds Minimum system Requirements	Exceeds Minimum system Requirements
Total Cost		$ 1,747.95	$ 2,735.95	$ 2,431.95	$ 3,231.95

* Prices only valid through CreationEngine.com (as of 3/22/16)

** Apple's Integrated Graphics Card does not meet the recommendations for Autodesk products