

Hardware Standards/Recommendations for Students
2016-2017

Laptops

Buying Source	Apple	Apple	Dell	Samsung
Vendor information	www.apple.com	www.apple.com	www.dell.com	www.samsung.com
Use Case	Architecture, Engineering, Graphic Design, and any student who is interested in higher-end computing, gaming and/or streaming video	All majors <i>excluding</i> Architecture, Engineering, and Graphic Design. Can be used for streaming video and light gaming	Any student who is interested in higher-end computing, gaming and/or streaming video	rCloud users in Architecture, Engineering, and any student who is interested in streaming video and moderate gaming
Model	MacBook Pro 15 w/ SuperDrive & thunderbolt to gigabit adapter	13-inch MacBook Air	XPS 15 Laptop	Samsung Notebook 9 13.3
Processor Speed/GHz	2.7GHz i7 turbo boost to 3.6GHz	1.6GHz Intel i5 processor turbo boost to 2.7GHz	7 th Generation Intel Core i7-7700HQ Quad Core Processor (6M cache, up to 3.8GHz)	Intel i5-6200U Processor
Memory RAM	16GB 1600 MHz DDR3L SDRAM	8GB 1600MHz LPDDR3 SDRAM memory	16GB DDR4-2400 MHz	8GB LPDDR3 Onboard
Hard Drive Size	512GB SSD storage	512GB PCIe-based Flash Storage	512GB PCIe Solid State Drive	256GB SSD
Screen Size	15.4"	13.3"	15.6"	13.3"
Weight	4 pounds	2.96 pounds	5.24 lbs	2.80 pounds
Graphics	Radeon Pro 455 with 2GB memory	Intel HD Graphics 6000	NVIDIA GeForce GTX 1050 with 4GB memory	Intel Integrated Graphics
Warranty	Apple Care (options up to 3 year)	Apple Care (options up to 3 year)	1 year service with options to 4 year service and/or accidental damage protect	1 year service
Estimated Base Cost	\$2799.00	\$1399.00	\$1699.00	\$999.99

Tablets

Buying Source	Apple	Google	Microsoft	Samsung
Vendor Information	www.apple.com	Amazon	Amazon	Best Buy
Model	iPad Air 2	Google Nexus 10 Android	Surface 3 LTE	Galaxy Tab S2 (Android)
Processor Speed/GHz	A8X chip 64 bit/M8 motion coprocessor	Exynos 5000 Series processor	2.4GHz Atom Z8700 processor	Exynos 5433, Octa-Core 1.8 GHz. 8 core processor
Memory RAM	128GB	32 GB/2 GB RAM	4GB Ram; 128 SSD	32GB
Screen Size	9.7"	10.5"	10.8"	9.7"
Weight	0.96 pounds	1.33 pounds	1.4 pounds	1.16 pounds
Video	Up to 1080p through Lightning Digital AV Adapter and Lightning to VGA Adapter (adapters sold separately)	Mali T-604 with 2GB RAM	ClearType Full HD Plus Display	1080p playback full HD in 2048 x 1536 resolution
Warranty	1 year		1 year	1 year or 2 year options
Estimated Base Cost	\$499.00	\$269.99	\$440.00	\$499.99

Smart Phones

Buying Source	Android	Apple	Windows Mobile
Vendor	Verizon Wireless	Verizon Wireless/Apple	Verizon Wireless
Models	Google Pixel Google Pixel XL Samsung Galaxy S7 Samsung Galaxy S6 Samsung Galaxy S5	iPhone 7 iPhone 7 Plus iPhone 6s iPhone 6s Plus	MS Lumia 735