

Weitzman BTS 2021 Hardware Recommendations

The table below outlines our recommended laptop specs for each program. If you have any questions or would like any further information, you can contact an IT staff member at ithelp@design.upenn.edu and we will be happy to discuss options. Be mindful that higher specs will come at the expense of weight and portability, so be sure to choose the machine that will best suit your needs.

Laptop	
Recommended for: City Planning (non-Urban Design concentrations)	
	
Dell XPS 15 9500 \$2,094.69	
CPU	i7-10750H (12MB, up to 5.0 GHz, 6 cores)
GPU	NVIDIA GeForce GTX 1650 Ti (4GB)
RAM	16GB
Storage	1TB SSD
Screen	15.6" (1920x1200, Non-Touch)
Weight	4 lbs (1.8 kg)
Low-End Workstation	
Recommended for: City Planning (all concentrations), Historic Preservation	
	
Dell Precision 5560 \$2,853.87	
	
Lenovo ThinkPad P1 Gen 3 \$2,225.00	
CPU	i9-11950H (24MB cache, up to 5.0 GHz, 8 cores)
GPU	NVIDIA RTX A2000 (4GB)
RAM	32GB
Storage	1TB SSD
Screen	15.6" (1920x1200, Non-Touch)
Weight	4.06 lbs (1.84 kg)
CPU	i7-10875H (16MB cache, up to 5.10 GHz, 8 cores)
GPU	NVIDIA Quadro T1000 (4GB)
RAM	32GB
Storage	1TB SSD
Screen	15.6" (1920x1080, Non-Touch)
Weight	3.75 lbs (1.7 kg)
Mid-Range Workstation	
Recommended for: City Planning (all concentrations), Historic Preservation, Architecture, Landscape Architecture	
	
Dell Precision 7560 \$3,629.80	
	
Lenovo ThinkPad P15 Gen 2 \$2,931.00	
CPU	i9-11950H (24MB cache, up to 5.0 GHz, 8 cores)
GPU	NVIDIA RTX A3000 (6 GB)
RAM	64 GB
Storage	1TB SSD
Screen	15.6" (1920x1080, Touch)
Weight	5.42 lbs (2.45 kg)
CPU	i9-11950H (24MB cache, up to 5.0 GHz, 8 cores)
GPU	NVIDIA RTX A3000 (6 GB)
RAM	64 GB
Storage	1TB SSD
Screen	15.6" (1920x1080, Non-Touch)
Weight	3.87 lbs (1.76 kb)
High-End Workstation	
Recommended for: Architecture, Landscape Architecture, Robotics	
	
Dell Precision 7760 \$3,945.87	
	
Lenovo ThinkPad P17 \$3,927.37	
CPU	i9-11950H (24MB cache, up to 5.0 GHz, 8 cores)
GPU	NVIDIA RTX A4000 (8GB)
RAM	64 GB
Storage	1TB SSD
Screen	17.3" (3840x2160, Non-Touch)
Weight	6.65 lbs (3.01 kg)
CPU	I9-10885H (16 MB cache, up to 5.3 GHz, 8 cores)
GPU	NVIDIA Quadro RTX 4000 (8 GB)
RAM	64 GB
Storage	1TB SSD
Screen	17.3" (3840x2160, Non-Touch)
Weight	7.7 lbs (3.5 kg)