hardware-standards

Physical Sciences minimal hardware recommendations

- Hardware Standards

Hardware Standards

Computer Lifecycle Recommendations

A computer lifecycle is the process of purchasing, funding, installing, maintaining, and recycling of computer equipment and associated software. Following the Physical Sciences recommended computer lifecycle improves security, cuts down on loss of staff disruption time, and promotes a predictable maintenance cadence, lessening emergency work tickets for the Physical Sciences Help Desk.

Physical Sciences Desktop Support Strongly Recommends the Following:

- **Computers dedicated to full-time staff:** Replace every 4 years
- **Shared computers/labs/kiosks:** Replace every 5 years

All Physical Sciences-ordered and maintained computers have a 4-year hardware warranty. Computers past the warranty period will fall under “best effort” support. IT staff will try their best to troubleshoot any issues, but if hardware fails or the computer is too slow due to hardware, a replacement will be prescribed.

How to Order

If you are interested in purchasing one of the below machines, monitors, or printers please work with your Department purchaser

Windows Computers

Dell OptiPlex 7020 SFF Plus (Standard model)

Dell Optiplex 7020 SFF Plus (Premium Desktop)

Dell Latitude 5450 (Standard Laptop)

Dell Latitude 7450 Ultrabook (Thin and Light Laptop)

Dell Thunderbolt Docking Station – WD22TB4

Dell Thunderbolt Dock

Apple Computers

Apple MacBook Air (Thin and Light Laptop)

- ***Supports one external display***
- Apple M2 with 8-core CPU, 8-core GPU, 16-core Neural Engine
- 13.6″, 2.7 lb, 52.6 Wh battery
- 24GB unified memory
- 512GB SSD storage
- 35W Dual USB-C Port Compact Power Adapter
- Liquid Retina display
- Magic Keyboard – US English
- Touch ID
- Force Touch trackpad
- Two Thunderbolt 3 ports / USB 4 ports
- Warranty: 4-Year AppleCare+

Apple MacBook Pro 14″ (Standard)

- ***Supports up to two external displays***
- Apple M2 Pro with 10-core CPU, 16-core GPU and 16-core Neural Engine
- 14″, 3.5 lb, 70.0 Wh battery
- 32GB unified memory
- 512GB SSD storage
- 96W USB-C Power Adapter
- 14-inch Liquid Retina XDR display
- Three Thunderbolt 4 ports, HDMI port, SDXC card slot, MagSafe 3 port
- Magic Keyboard with Touch ID – US English
- Force Touch trackpad
- Warranty: 4-Year AppleCare+

IPad Pro 13"

- Apple M4 Chip with 9-core CPU and 16-core Neural Engine
- 13" 1.28 pounds (579 grams), 38.99 Wh battery
- 120GB/s memory
- 512GB SSD Storage
- 20W USB-C Power Adapter
- 13-inch Ultra Retina XDR display
- USB 4 Port
- Warranty: 4-Year AppleCare +

OPTIONAL: Apple Pencil Pro

Monitors

Dell OptiPlex 7020 SFF Plus (Standard model)

Dell Optiplex 7020 SFF Plus (Premium Desktop)

Dell Latitude 5450 (Standard Laptop)

Dell Latitude 7450 Ultrabook (Thin and Light Laptop)

Printers

Dell OptiPlex 7020 SFF Plus (Standard model)

Dell Optiplex 7020 SFF Plus (Premium Desktop)

Dell Latitude 5450 (Standard Laptop)

Dell Latitude 7450 Ultrabook (Thin and Light Laptop)