

### STANDARD CONFIGURATION

These choices represent standard hardware and software configurations that are supported by Biology IT. We consider these options to be the best to ensure performance, security, and reliability. Please contact us at [biologyit-tech@iastate.edu](mailto:biologyit-tech@iastate.edu) for purchasing consultations. **Pricing is subject to change at any time.**

You can find our latest catalog at <https://www.biology-it.iastate.edu> under "Purchase Hardware".

#### WINDOWS

- Windows 10 Enterprise 64-bit
- Software Center application and SCCM client
- Microsoft Windows Defender (anti-virus and anti-malware)
- 7-Zip, Cisco VPN client, Google Chrome, Mozilla Firefox, PuTTY

#### MAC

- macOS Mojave- 10.14
- Self Service application and Jamf client
- Apple Enterprise Connect (password utility)
- Cisco VPN client, Google Chrome, Mozilla Firefox

#### BOTH

- Joined to IASTATE.EDU Active Directory
- Backup software (department specific)
- Encryption
- K2 KeyAccess (inventory system client)
- Microsoft Office 2019
- Adobe Creative Cloud App (includes Adobe Acrobat Pro DC)

#### ORDERING

To place your order, email [biologyit-tech@iastate.edu](mailto:biologyit-tech@iastate.edu) with the following information:

1. Item(s) to Purchase: e.g. (1) A3 upgrade, (1) D4, and (3) M2
2. Billing Worktag and DD: If you have multiple worktags, indicate how it should be split
  - a. Note: Split billing is not allowed on Apple purchases at this time
3. Specific Software: e.g ChemDraw 16.1, Google Earth Pro, SnapGene
4. Comments or Requests: e.g. Install printer in 409 Science II, help me setup Box Drive

#### DELIVERY

Once your item(s) are configured and setup, a member of our team will contact you about details on delivery date of your choice and any other arrangements.

# MAC LAPTOP OPTIONS

## A1 - Daily Use MacBook Air 13" - \$1,148

- Processor: Apple M1 chip with 8-core CPU
- Memory: 8GB unified memory
- Storage: 256 GB PCIe Flash Storage
- Graphics: Apple M1 chip with 7-core GPU
- Display: 13.3 inch Retina (2560 x 1600)
- Ports: 2 USB-C Thunderbolt 3, headphone, and Touch ID
- Exterior Color: Silver, Gold, or Space Gray
- Warranty: 4 year AppleCare+ Protection Plan



weight: 2.8 lbs

## A2 - High Performance MacBook Air 13" - \$1,578

- Processor: Apple M1 chip with 8-core CPU
- Memory: 16GB unified memory
- Storage: 512 GB PCIe Flash Storage
- Graphics: Apple M1 chip with 8-core GPU
- Display: 13.3 inch Retina (2560 x 1600)
- Ports: 2 USB-C Thunderbolt 3, headphone, and Touch ID
- Exterior Color: Silver, Gold, or Space Gray
- Warranty: 4 year AppleCare+ Protection Plan



weight: 2.8 lbs

**Upgrade to 1TB SSD - Add \$180**

## A3 - High Performance MacBook Pro 13" - \$2,178

- Processor: 2.3 GHz Intel Quad-Core Core i7 Gen 10, Turbo Boost 4.1 GHz
- Memory: 16GB 3733MHz LPDDR4X memory
- Storage: 512 GB PCIe Flash Storage
- Graphics: Intel Iris Plus Graphics
- Display: 13.3 inch Retina (2560 x 1600)
- Ports: 4 USB-C Thunderbolt 3, headphone, and Touch Bar
- Exterior Color: Silver or Space Gray
- Warranty: 4 year AppleCare+ Protection Plan



weight: 3.1 lbs

**Upgrade to 1TB SSD - Add \$200**

## A4 - High Performance MacBook Pro 16" - \$2,598

- Processor: 2.6 GHz Intel 6-Core Core i7 Gen 9, Turbo Boost 4.5 GHz
- Memory: 16 GB 2666 MHz DDR4 DRAM
- Storage: 512 GB PCIe Flash Storage
- Graphics: Radeon Pro 5300M 4 GB
- Display: 16 inch Retina (3072 x 1920)
- Ports: 4 USB-C Thunderbolt 3, headphone, and Touch Bar
- Exterior Color: Silver or Space Gray
- Warranty: 4 year AppleCare+ Protection Plan



weight: 4.3 lbs

**Upgrade to i9 2.4GHz 8-Core - Add \$280**

**Upgrade to 1TB SSD - Add \$180**

**Upgrade to 32GB RAM - Add \$360**

Last Revised 2/25/21

# MAC DESKTOP OPTIONS

## A5 - Daily Use iMac 21.5" Retina 4K - \$1,568

- Processor: 3.0 GHz 6-core Intel Core i5 Gen 8, Turbo Boost to 4.1 GHz
- Memory: 8 GB 2666 MHz DDR4 SDRAM
- Storage: 256 GB Flash Storage
- Graphics: Radeon Pro 560X 4 GB
- Display: 21.5 inch Retina LED-backlit (4096 x 2304)
- Ports: 4 USB 3.0, 2 USB-C Thunderbolt 3, Headphone, Ethernet, SDXC
- Mouse: Magic Mouse 2 Wireless
- Keyboard: Apple Magic Keyboard Wireless (English)
- Warranty: 4 year AppleCare+ Protection Plan



**Upgrade to 16 GB RAM and 512 GB Storage - \$1,928 **Biology IT Recommended!****

## A6 - High Performance iMac 27" Retina 5K - \$2,448

- Processor: 3.8 GHz 8-core Intel Core i7 Gen 10, Turbo Boost to 5 GHz
- Memory: 16 GB 2666 MHz DDR4 SDRAM
- Storage: 512 GB Flash Storage
- Graphics: Radeon Pro 5500 XT with 8GB of GDDR6 RAM
- Display: 27 inch Retina 5K (5120 x 2880)
- Ports: 4 USB 3.0, 2 USB-C Thunderbolt 3, Headphone, Ethernet, SDXC
- Mouse: Magic Mouse 2 Wireless
- Keyboard: Apple Magic Keyboard Wireless (English)
- Warranty: 4 year AppleCare+ Protection Plan



**Upgrade to i9, 1TB SSD - \$2,988**

## A7 - Base Performance Mac Mini - \$1,178

- Processor: 3.0GHz 6-core Intel Core i5 Gen 8, Turbo Boost up to 4.1GHz
- Memory: 8GB 2666MHz DDR4 SDRAM
- Storage: 512 GB Flash Storage
- Ports: 2 USB 3.0, 4 USB-C Thunderbolt 3, Headphone, Ethernet, HDMI
- Warranty: 4 year AppleCare+ Protection Plan



**Monitor not included in base package**

**Upgrade to i7, 16GB RAM - add \$360**

**Add M2 Monitor, Apple Keyboard and Mouse - add \$418**



**Contact us for more configuration options**

# DELL LAPTOP OPTIONS

## D1 - Daily Use Latitude 5420 - \$1,050

- Processor: 2.6 GHz Quad Core Intel Core i5-1145G7, Thunderbolt 3
- Memory: 8 GB (1 x 8 GB) 2666 MHz DDR4 Memory
- Storage: 256 GB M.2 SATA Class 35 Solid State Drive
- Graphics: Integrated Intel Iris Xe
- Display: 14.0 inch FHD (1920 x 1080) Non-Touch Anti-Glare LCD
- Ports: 2x USB 3.2, 2x USB-C (TB3), HDMI, Headphone, uSD card
- Warranty: 4 year Dell ProSupport Plus & Accidental damage coverage

**Upgrade to 16GB RAM for \$90**



weight: 3.03 lbs

## D2 - High Performance Latitude 7420 - \$1,419

- Processor: 3.0 GHz Quad Core Intel Core i7-1185G7, Thunderbolt 3
- Memory: Integrated 16 GB 4267 MHz LPDDR4 Memory
- Storage: 512 GB M.2 SATA Class 35 Solid State Drive
- Graphics: Integrated Intel Iris Xe
- Display: 14.0 inch LCD (1920 x 1080) Non-Touch Anti-Glare LCD
- Ports: 2x USB 3.2, 2x USB-C (TB3), HDMI, Headphone, uSD card
- Warranty: 4 year Dell ProSupport Plus & Accidental damage coverage

**Biology IT Recommended!**



weight: 2.7 lbs

## D3 - High Performance Latitude 9510 - \$1,760

- Processor: 1.1 GHz Six Core Intel Core i7-10710U, Thunderbolt 3
- Memory: 16 GB (2 x 8 GB) 2133 MHz DDR4 Memory
- Storage: 512 GB M.2 SATA Class 35 Solid State Drive
- Graphics: Integrated Intel UHD Graphics
- Display: 15.0 inch LCD (1920 x 1080) Non-Touch Anti-Glare LCD
- Ports: 1x USB 3.2, 2x USB-C (TB3), HDMI, Headphone, uSD card
- Warranty: 4 year Dell ProSupport Plus & Accidental damage coverage



weight: 3.1 lbs

## D4 - Latitude 9410 2-in-1 - \$1,570

- Processor: 1.7 GHz Quad Core Intel Core i5-10310U, Thunderbolt 3
- Memory: 16 GB (1 x 16 GB) 2133 MHz DDR4 Memory
- Storage: 256 GB M.2 SATA Class 35 Solid State Drive
- Graphics: Integrated Intel UHD Graphics 620
- Display: 14" FHD Touch (1920 x 1280) Anti-Glare Anti-Smudge
- Ports: 2 USB 3.2, 2 USB-C (TB3), HDMI, Headphone, uSD card
- Warranty: 4 year Dell ProSupport Plus & Accidental damage coverage

**Upgrade to i7, 512GB SSD for \$190**

**Add a Dell Active Pen (PN579X) for \$74**



weight: 3.0 lbs

# DELL DESKTOP OPTIONS

## D5 - Base Performance Optiplex 7080 SFF - \$631

- Processor: 3.1 GHz 6-Core Intel Core i5-10500
- Memory: 8 GB (1 x 8 GB) DDR4 2666 MHz
- Storage: 256 GB M.2 SATA Class 35 Solid State Drive
- Graphics: Integrated Intel UHD Graphics 630
- Optical Drive: 8x DVD+/-RW
- Warranty: 4 year Dell Hardware Service



## D6 - High Performance Optiplex 7080 SFF - \$851

- Processor: 2.9 GHz 8-Core Intel Core i7-10700
- Memory: 16 GB (1 x 16 GB) DDR4 2933 MHz
- Storage: 512 GB M.2 SATA Class 40 Solid State Drive
- Graphics: Integrated Intel UHD Graphics 630
- Optical Drive: 8x DVD+/-RW
- Warranty: 4 year Dell Hardware Service

**Biology IT Recommended!**



## D7 - High Performance GPU Precision 3640 Tower - \$1,206

- Processor: 3.3 GHz 6-Core Intel Xeon W-1250
- Memory: 16GB (2 x 8 GB) DDR4 2666 MHz ECC
- Storage: 512 GB PCIe NVMe Class 40 Solid State Drive
- Graphics: NVIDIA Quadro P620 2 GB 4 mDP to DP adapter
- Optical Drive: None
- Warranty: 4 year Dell Hardware Service



## Ordering a new desktop? We recommend a new monitor too!

We have a number of options available for reasonable prices on the next page. We strongly encourage purchasing a new monitor when you buy a new computer - that way your monitor is also under warranty.

If you do not buy a monitor, it is possible you will need to purchase video adapters to be able to connect your old monitor to your new computer.

If you want a soundbar for your new monitor, you can purchase the Dell Stereo Soundbar AC511M (pictured) for \$26.





## MONITORS

### M1 - Dell P2219H 22" LCD Monitor - \$131

- Resolution: 1920 x 1080
- Connectivity: DisplayPort, VGA, HDMI, 2 USB 3.0, 2 USB 2.0
- Features: Adjustable stand with tilt with mini DP-DisplayPort and USB cables
- Warranty: Dell 3 Year Premium Panel Limited Warranty - Advanced Exchange



**Biology IT Recommended!**

### M2 - Dell P2719HC 27" USB-C LCD Monitor - \$240

- Resolution: 1920 x 1080
- Connectivity: USB-C, DisplayPort, HDMI, 4 USB 3.0
- Features: Adjustable stand with tilt with USB-C and DisplayPort cables
- Warranty: Dell 5 Year Premium Panel Limited Warranty - Advanced Exchange



**Biology IT Recommended!**

### M3 - Dell U2421HE 24" USB-C LCD Monitor - \$230

- Resolution: 1920 x 1080
- Connectivity: USB-C, DisplayPort, HDMI, 4 USB 3.0, RJ-45 Ethernet
- Features: Adjustable stand with tilt with USB-C and DisplayPort cables
- Warranty: Dell 5 Year Premium Panel Limited Warranty - Advanced Exchange



### M4 - Dell U2721DE 27" USB-C LCD Monitor - \$370

- Resolution: 2560 x 1440
- Connectivity: USB-C, DisplayPort, HDMI, 4 USB 3.0, RJ-45 Ethernet
- Features: Adjustable stand with tilt with USB-C and DisplayPort cables
- Warranty: Dell 5 Year Premium Panel Limited Warranty - Advanced Exchange



## APPLE ACCESSORIES

### X1 - Apple USB-C Digital AV Multiport Adapter - \$69

- 3 adapters in one for the new MacBook Pro
- Only for MacBook Pro (2016 or later) or MacBook Air (2018 or later)
- Connect a standard monitor or projector that uses a HDMI
- Connect a standard USB device
- Connect a USB-C charging cable
- Part: Apple MUF82AM/A



### X2 - StarTech USB-C Multiport Adapter - \$90.42

- The adapter that does it all!
- Connect to standard projectors and monitors using VGA or HDMI
- Connect up to 3 regular USB flash drive or USB device to USB-C
- Connect to the wired network in your office or lab
- Connect microSD and SD card reader for camera cards
- Only for MacBook Pro (2016 or later) or MacBook Air (2018 or later)
- Part: CDWG# 5183417



### X3 - USB-C to HDMI Adapter - \$21

- Connect a standard monitor or projector that uses HDMI
- Only for MacBook Pro (2016 or later) and MacBook Air (2018 or later)
- Part: CDWG# 3813119



### X4 - Apple USB-C to USB-A Adapter - \$19

- Connect a regular USB flash drive or USB device to USB-C
- Only for MacBook Pro (2016 or later) or MacBook Air (2018 or later)
- Part: Apple MJ1M2AM/A



### X5 - StarTech Dual 4K Dock USB-C - \$180.84

- Connect your laptop to 2x DisplayPort or 2x HDMI displays (or 1x DP + 1x HDMI)
- USB 3.0 docking station for USB-A or USB-C PC laptops
- The port replicator turns your laptop into a workstation with 6x USB 3.0 (Type A) ports plus a GbE port and headphone and mic input audio jack ports
- Part: CDWG# 4771323



## DELL ACCESSORIES

### Y1 - USB-C to VGA Adapter - \$31.81

- Connect a standard monitor or projector that uses a VGA connector
- Only for Dell Latitude 7480/7490
- Part: Dell 470-ABNC



### Y2 - Dell USB-C to HDMI/VGA/Ethernet/USB 3.0 - \$39.99

- 4 adapters in one small, compact adapter using USB-C
- Connect a standard monitor or projector that uses a VGA connector
- Connect a standard monitor or projector that uses a HDMI connector
- Connect a standard USB device
- Connect to the wired network in your office or lab
- Part: Dell DA200



### Y3 - Dell USB-C to HDMI Adapter- \$31.07

- Connect a standard monitor or projector that uses HDMI
- Only for Dell Latitude 7480 or 7490
- Part: Dell 470-ABMZ



### Y4 - Dell External DVD Drive DW316 - \$44.99

- Play and record CDs and DVDs over USB
- Includes drive and USB cable
- Part: Dell 429-ABFL



### Y5 - Dell Thunderbolt Dock WD19TB - \$180.00

- Features: Connect laptop with a single cable to power and connect to displays, keyboard, mouse, network, and other peripherals
- Display: Supports up to 3 FHD displays, 2 4K displays or one 5K display
- Ports: 3 USB 3.1, 3.5mm Audio in/out, 2 USB-C, HDMI, 2 DisplayPort, Ethernet
- Includes: Dock, USB-C cable, power adapter
- Part: Dell 210-ARIK





## PRINTERS

Please note that printer pricing changes often. The prices below are an estimated average.

### P1 - Personal B&W HP LaserJet Pro M404dn - \$200.00

- Recommended Use: Best for personal offices or small lab
- Trays: 100-sheet multipurpose tray 1, 250-sheet input tray 2
- Recommended Monthly Volume: 750 - 4000 pages
- Max Speed: 40 pages per minute
- Estimated cost per page: ~1.9 cents
- Toner: HP 58X
- CDWg Part: 5583104



### P2 - Personal Color HP LaserJet Pro M454dn - \$300.00

- Recommended Use: Best for personal offices or small lab
- Trays: 50-sheet multipurpose tray 1, 250-sheet input tray 2
- Recommended Monthly Volume: 750 - 4000 pages
- Max Speed: 28 pages per minute
- Estimated cost per page: ~2.1 cents (B&W) and ~10.5 cents (Color)
- Toner: HP 414X Black, 414X Magenta, 414X Cyan, 414X Yellow
- CDWg Part: 5545893



### P3 - Workgroup Color HP LaserJet Pro M553dn - \$620.00

- Recommended Use: Best for large offices, teaching or research labs
- Trays: 100-sheet multipurpose tray 1, 550-sheet input tray 2
- Recommended Monthly Volume: 2000 - 6000 pages
- Max Speed: 40 pages per minute
- Estimated cost per page: ~1.5 cents (B&W) and ~8.8 cents (Color)
- Toner: HP 508X Black, 508X Magenta, 508X Cyan, 508X Yellow
- CDWg Part: 3663504



### P4 - Multifunction Color HP LaserJet Pro M479fdn - \$430.00

- Recommended Use: Offices or labs requiring scan or copy
- Trays: 50-sheet multipurpose tray 1, 250-sheet input tray 2
- Scan: 1200 x 1200 dpi with automatic document feeder
- Recommended Monthly Volume: 750 - 4000 pages
- Max Speed: 27 pages per minute
- Estimated cost per page: ~2.1 cents (B&W) and ~10.5 cents (Color)
- Toner: HP 414X Black, 414X Magenta, 414X Cyan, 414X Yellow
- CDWg Part: 5545901

