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 for purchasing consultations. **Pricing is subject to change at any time.**

You can find our latest catalog at [https://www.biology-it.iastate.edu](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 Big Sur - 11
- Self Service application and Jamf client
- 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 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 set up 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” - $1,098
- 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

A2 - High Performance MacBook Air 13” - $1,528
- 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
- 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
- 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
- Upgrade to i9 2.4GHz 8-Core - Add $280
- Upgrade to 1TB SSD - Add $180
- Upgrade to 32GB RAM - Add $360

Last Revised: 7/21/21
MAC DESKTOP OPTIONS

A5 - Daily Use iMac 24" M1 - $1,568
- Processor: Apple M1 chip with 8-core CPU
- Memory: 8 GB unified memory
- Storage: 256 GB Flash Storage
- Graphics: Apple M1 chip with 8-core GPU
- Display: 23.5 inch (4480 x 2520)
- Ports: 2 USB4 (Thunderbolt 4, USB-C), Headphone, Ethernet, SDXC
- Mouse: Magic Mouse 2 Wireless
- Keyboard: Apple Magic Keyboard Wireless (English) with Touch ID
- Warranty: 4 year AppleCare+ Protection Plan

Upgrade to 16 GB RAM and 512 GB Storage - add $380

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 - add $540

A7 - M1 Mac Mini - $978
- Processor: Apple M1 chip with 8-core CPU
- Memory: 8 GB unified memory
- Storage: 512 GB Flash Storage
- Graphics: Apple M1 chip with 8-core GPU
- Ports: 2 USB 3.0, 2 USB-C Thunderbolt 4, Headphone, Ethernet, HDMI
- Warranty: 4 year AppleCare+ Protection Plan

Upgrade to 16GB RAM, 1TB SSD - 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

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!

D3 - High Performance Latitude 9520 - $1,855
- Processor: 3.0 GHz Quad Core Intel Core i7-1185G7, Thunderbolt 4
- Memory: Integrated 16GB 4267 MHz LPDDR4 Memory
- Storage: 512 GB M.2 SATA Class 35 Solid State Drive
- Graphics: Integrated Intel Iris Xe
- Display: 15.0 inch LCD (1920 x 1080) Non-Touch Anti-Glare LCD
- Ports: 1x USB 3.2, 2x USB-C (TB4), HDMI, Headphone, uSD card
- Warranty: 4 year Dell ProSupport Plus & Accidental damage coverage

D4 - Latitude 9420 2-in-1 - $1,780
- Processor: 2.6 GHz Quad Core Intel Core i5-1145G7, Thunderbolt 4
- Memory: Integrated 16GB 4267 MHz LPDDR4 Memory
- Storage: 256 GB M.2 SATA Class 35 Solid State Drive
- Graphics: Integrated Intel Iris Xe
- Display: 14.0 inch QHD+ (2560 x 1600) Touch LCD
- Ports: 1x USB 3.2, 2x USB-C (TB4), HDMI, Headphone, uSD card
- Warranty: 4 year Dell ProSupport Plus & Accidental damage coverage

Upgrade to i7, 512GB SSD for $145
Add a Dell Active Pen (PN579X) for $90

Last Revised: 7/21/21
DELL DESKTOP OPTIONS

D5 - Base Performance Optiplex 7090 SFF - $705
• 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 7090 SFF - $863
• 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

D7 - High Performance GPU Precision 3650 Tower - $1,276
• Processor: 3.3 GHz 6-Core Intel Xeon W-1350
• Memory: 16 GB (2 x 8 GB) DDR4 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.
TABLET OPTIONS

T1 - 10.2-inch iPad Wi-Fi 32GB - $408
- Processor: A12 Bionic Chip
- Storage Capacity: 32 GB w/ 3GB RAM
- Camera: 8 MP Camera w/ 1080p HD Video Recording @30 fps/720p Slo-mo @120 fps
- Display: 10.2-inch Retina Display
- Exterior: Space Grey, Silver, Gold
- Warranty: 4 year AppleCare+ Protection Plan

Upgrade to 128 GB Storage for $100

T2 - 12.9-inch iPad Pro Wi-Fi 128GB - $1228
- Processor: Apple M1 Chip
- Storage Capacity: 128 GB w/ 8GB RAM
- Camera: 12MP Wide w/ 4k Video Recording @60fps/1080p Slow-mo @240 fps
- Display: 12.9-inch Liquid Retina XDR Display
- Exterior: Space Grey, Silver
- Warranty: 4 year AppleCare+ Protection Plan

Upgrade to 256GB Storage for $100

T3 - 7.9-inch iPad Mini Wi-Fi 64GB - $488
- Processor: A12 Bionic Chip
- Storage Capacity: 64 GB w/ 3 GB RAM
- Camera: 8 MP Camera w/ 1080p HD Video Recording/ Slo-mo @240 fps
- Display: 7.9-inch Retina Display
- Exterior: Space Grey, Silver, Gold
- Warranty: 4 year AppleCare+ Protection Plan

Upgrade to 256GB Storage for $150

Ordering a new iPad? We recommend some accessories!

iPads are used in the field, in the classroom, and often it can be easier to work directly off of them in the office. Apple offers covers for protection, the apple pencil for handwriting and graphical design uses, and keyboards for turning your tablet into an effective office tool.

The apple accessories are compatible with all the iPads offered in the catalog, and Biology IT is more than happy to assist in purchasing the correct option for your iPad!
MONITORS

M1 - Dell P2219H 22" LCD Monitor - $145
- 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

M2 - Dell P2719H 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

M3 - Dell U2421HE 24" USB-C LCD Monitor - $235
- 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 MJ1M2AM/A

X2 - StarTech USB-C Multiport Adapter - $103.33

- 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 - $19.38

- 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 - $207.60

- 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 - $55
- Connect to monitors or projectors with HDMI, VGA, DisplayPort, or USB-C
- Connect to peripherals with 2x USB3 ports or 1x USB-C port
- Connect to the network with gigabit ethernet
- Part: Dell DA310

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 - $38
- Play and record CDs and DVDs over USB
- Includes drive and USB cable
- Part: Dell 429-ABFL

Y5 - Dell Thunderbolt Dock WD19TBS - $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 USB-C, HDMI, 2 DisplayPort, Ethernet
- Includes: Dock, USB-C cable, power adapter
- Part: Dell 210-AZBI
PRINTERS

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

P1 - Personal B&W HP LaserJet Pro M404dn - $200
- 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
- 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 M555dn - $770
- 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 - 10000 pages
- Max Speed: 40 pages per minute
- Toner: HP 212X Black, 212X Magenta, 212X Cyan, 212X Yellow
- CDWg Part: 6262784

P4 - Multifunction Color HP LaserJet Pro M479fdn - $430
- 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