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 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 Monterey - 12
- 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@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 M1 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 4, headphone, and Touch ID
- Exterior Color: Silver, Gold, or Space Gray
- Warranty: 4 year AppleCare+ Protection Plan

### A2 - High Performance M2 MacBook Air 13” - $1,518
- Processor: Apple M2 chip with 8-core CPU
- Memory: 8GB unified memory
- Storage: 512 GB PCIe Flash Storage
- Graphics: Apple M2 chip with 8-core GPU
- Display: 13.6 inch Retina (2560 x 1664)
- Ports: 2 USB-C Thunderbolt 4, headphone, and Touch ID
- Exterior Color: Silver, Starlight, Space Gray, or Midnight
- Warranty: 4 year AppleCare+ Protection Plan

 upgrades:
- Upgrade to 16GB RAM - Add $180
- Upgrade to 1TB SSD - Add $180

### A3 - High Performance MacBook Pro 13” - $1,808
- Processor: Apple M2 chip with 8-core CPU
- Memory: 16GB unified memory
- Storage: 512 GB PCIe Flash Storage
- Graphics: Apple M2 chip with 10-core GPU
- Display: 13.3 inch Retina (2560 x 1600)
- Ports: 2 USB-C Thunderbolt 4, headphone, Touch ID, Touch Bar
- Exterior Color: Silver or Space Gray
- Warranty: 4 year AppleCare+ Protection Plan

 upgrades:
- Upgrade to 1TB SSD - Add $180

### A4 - High Performance MacBook Pro 16” - $2,728
- Processor: Apple M1 Pro chip with 10-core CPU
- Memory: 16GB unified memory
- Storage: 512 GB PCIe Flash Storage
- Graphics: Apple M1 Pro chip with 10-core GPU
- Display: 16 inch Retina (3456 x 2234)
- Ports: 3 USB-C Thunderbolt 4, HDMI, headphone, and Touch ID
- Exterior Color: Silver or Space Gray
- Warranty: 4 year AppleCare+ Protection Plan

 upgrades:
- Upgrade to M1 Max - Add $180
- Upgrade to 1TB SSD - Add $200
- Upgrade to 32GB RAM - Add $360

Biology IT Recommended!

Last Revised: 10/19/22
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 7-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 $360

A6 - High Performance M1 Max Mac Studio - 1,968

- Processor: Apple M1 Max chip with 10-core CPU
- Memory: 32 GB unified memory
- Storage: 512 GB Flash Storage
- Graphics: Apple M1 Max chip with 24-core GPU
- Ports: 4 USB-C Thunderbolt 4, 2 USB 3.0, HDMI, 10Gb Ethernet, Headphone
- Warranty: 4 year AppleCare+ Protection Plan

Upgrade to 32-core GPU - add $180
Upgrade to 64GB RAM - add $360
Upgrade to 1TB SSD - add $180

Add M2 Monitor, Apple Keyboard and Mouse - add $458

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 $458

Contact us for more configuration options
DELL LAPTOP OPTIONS

D1 - Daily Use Latitude 5430 - $1,251
• Processor: 3.3 GHz 10-Core Intel Core i5-1245U
• Memory: 16 GB 3200 MHz Memory
• Storage: 256 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 (TB4), HDMI, Headphone, uSD slot, Ethernet
• Warranty: 4 year Dell ProSupport Plus & Accidental damage coverage

D2 - High Performance Latitude 7430 - $1,436
• Processor: 3.6 GHz 10-Core Intel Core i7-1265U
• Memory: 16 GB 3200 MHz Memory
• Storage: 256 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 (TB4), HDMI, Headphone, uSD slot, Ethernet
• Warranty: 4 year Dell ProSupport Plus & Accidental damage coverage

D3 - High Performance Precision 5570 - $1,795
• Processor: 3.6 GHz 14-Core Intel Core i7-12800H
• Memory: 16GB 4800 MHz Memory
• Storage: 512 GB M.2 Gen 4 PCIe x4 NVMe Solid State Drive
• Graphics: NVIDIA RTX A1000, 4GB GDDR6
• Display: 15.6 inch LCD (1920 x 1200) Non-Touch LCD
• Ports: 1x USB-C 3.2, 2x USB-C (TB4), HDMI, Headphone, SD card
• Warranty: 4 year Dell ProSupport Plus & Accidental damage coverage

D4 - Latitude 9430 2-in-1 - $1,940
• Processor: 3.6 GHz 10-Core Intel Core i7-1265U
• Memory: Integrated 16GB 5200 MHz LPDDR5 Memory
• Storage: 512 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 touchscreen for $103

Add a Dell Active Pen (PN579X) for $90

Upgrade to 1TB SSD for $120
OR
Upgrade to 32GB RAM for $405
DELL DESKTOP OPTIONS

D5 - Base Performance Optiplex 7000 SFF - $684
- Processor: 3.0 GHz 6-Core Intel Core i5-12500
- Memory: 8 GB (1 x 8 GB) DDR4 2666 MHz
- Storage: 256 GB M.2 SATA Class 35 Solid State Drive
- Graphics: Intel Integrated Graphics
- Optical Drive: 8x DVD+/−RW
- Warranty: 4 year Dell Hardware Service

D6 - High Performance Optiplex 7000 SFF - $887
- Processor: 2.1 GHz 12-Core Intel Core i7-12700
- Memory: 16 GB (1 x 16 GB) DDR4 2666 MHz
- Storage: 512 GB M.2 SATA Class 35 Solid State Drive
- Graphics: Intel Integrated Graphics
- Optical Drive: 8x DVD+/−RW
- Warranty: 4 year Dell Hardware Service

D7 - High Performance GPU Precision 3660 - $1,782
- Processor: 2.1 GHz 12-Core Intel Core i7-12700
- Memory: 32GB (2 x 16 GB) DDR5 ECC
- Storage: 512 GB PCIe NVMe Class 40 Solid State Drive
- Graphics: NVIDIA T400, 4GB GDDR6
- 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 page 7. 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 $27.
TABLET OPTIONS

T1 - 10.9-inch iPad Wi-Fi 64GB - $528
- Processor: A14 Bionic Chip
- Storage Capacity: 64 GB
- Camera: 12 MP Camera
- FaceTime Camera (front facing): 12 MP Camera
- Display: 10.9-inch Retina Display
- Exterior: Silver, Blue, Pink, Yellow
- Warranty: 4 year AppleCare+ Protection Plan

Upgrade to 256 GB Storage for $150

T2 - 12.9-inch iPad Pro Wi-Fi 128GB - $1228
- Processor: Apple M2 Chip
- Storage Capacity: 128 GB w/ 8GB RAM
- Camera: 12MP Ultra Wide
- FaceTime Camera (front facing): 12 MP Ultra Wide
- 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 - 8.3-inch iPad Mini Wi-Fi 64GB - $558
- Processor: A15 Bionic Chip
- Storage Capacity: 64 GB
- Camera: 12 MP Camera w/ 4K@60fps HD Video Recording
  - 1080p@240fps Slo-mo
- FaceTime Camera (front facing): 12 MP Camera w/ 1080p HD video
- Display: 8.3-inch Retina Display
- Exterior: Space Grey, Starlight, Purple, Pink
- 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 P2222H 22" LCD Monitor - $170
- Resolution: 1920 x 1080
- Connectivity: DisplayPort, VGA, HDMI, 4 USB 3.0
- Features: Adjustable stand with tilt with mini DP-DisplayPort and USB cables
- Warranty: Dell 3 Year Premium Panel Limited Warranty - Advanced Exchange

M2 - Dell P2722H 27" LCD Monitor - $250
- Resolution: 1920 x 1080
- Connectivity: VGA, DisplayPort, HDMI, 4 USB 3.0
- Features: Adjustable stand with tilt with DisplayPort cable
- Warranty: Dell 3 Year Premium Panel Limited Warranty - Advanced Exchange

M3 - Dell U2421E 24" USB-C LCD Monitor - $318
- Resolution: 1920 x 1200
- Connectivity: USB-C, DisplayPort, HDMI, 3 USB 3.0, RJ-45 Ethernet
- Features: Adjustable stand with tilt with USB-C and DisplayPort cables
- Warranty: Dell 3 Year Premium Panel Limited Warranty - Advanced Exchange

M4 - Dell U2722DE 27" USB-C LCD Monitor - $460
- 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 3 Year Premium Panel Limited Warranty - Advanced Exchange

Biology IT Recommended!
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 - $112.56
- 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 - $26.66
- 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 - HyperDrive Dual 4K HDMI USB-C dock - $167
- Connect dual 4K monitors over HDMI
- M1 compatible
- Ports: 2x HDMI 4K, 1x USB-C, 2x USB3-A, 3.5mm headphone, Gb Ethernet
- Part: CDWG# 6756479
- Does not include power adapter, we recommend getting a Dell 90W USB-C power adapter, 492-BCBK, for $51.79
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 - $130
• 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
• Part: Dell 470-ABMZ

Y4 - Dell External DVD Drive DW316 - $35
• Play and record CDs and DVDs over USB
• Includes drive and USB cable
• Part: Dell 429-AAUQ

Y5 - Dell Thunderbolt Dock WD22TB4 - $227
• 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 3.2, 3 USB-C, HDMI, 2 DisplayPort, 1 DP over USB-C, Ethernet
• Includes: Dock, USB-C cable, power adapter
• Part: Dell 210-BDQH
Please note that printer pricing changes often. The prices below are an estimated average.

**P1 - Personal B&W HP LaserJet Pro M404dn - $180**
- 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: 5583101

**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 - $900**
- 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

Many printers are backordered. Please contact Biology IT, and we will help find a suitable printer to your needs and timeline.

**P4 - Multifunction Color HP LaserJet Pro M479fdn - $720**
- 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