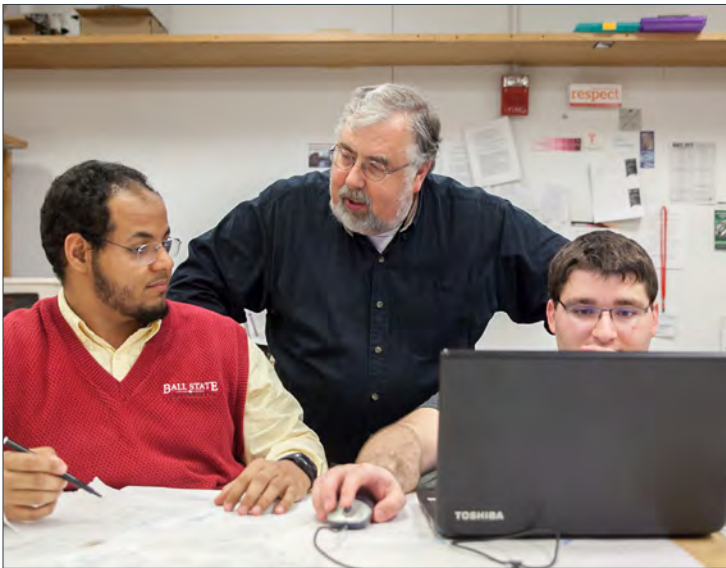


# DEPARTMENT OF URBAN PLANNING | BALL STATE UNIVERSITY

## 2021-2022 Computer Recommendations



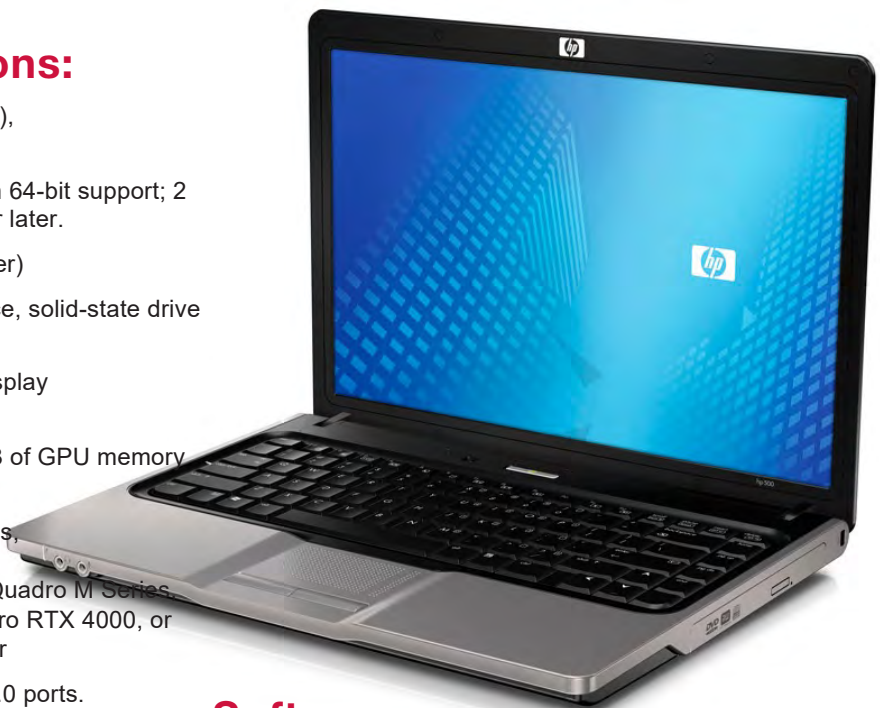
A laptop computer is recommended for all urban planning students. The mobility and flexibility of using a laptop is ideal in the studio, classroom, and library where you can take notes, do research, or access GIS data.

The Department of Urban Planning recommends a Windows PC over a Mac. If you want to purchase a Mac, you will need to install Windows using Boot Camp or Parallels Desktop.

For technical support, purchases, or hardware repair, visit the **Ball State Technology Store**.

### Recommended Hardware Specifications:

- **Operating System:** Windows 10 (64 bit), fully updated with firewall enabled
- **Processor:** Intel or AMD processor with 64-bit support; 2 GHz or faster processor with SSE 4.2 or later.
- **Memory:** 16 GB minimum (more is better)
- **Hard Drive:** 32 GB or more of free space, solid-state drive (SSD) recommended (SSD is faster)
- **Monitor Resolution:** 1280 x800 min display (1920 x 1080 recommended)
- **GPU:** GPU with DirectX12 support, 2GB of GPU memory MIN, 4GB for 4K displays.
- **Video Adapter:** NVIDIA Quadro K series, NVIDIA Quadro 2xxx or greater, NVIDIA GeForce GTX Series, NVIDIA Quadro M Series, NVIDIA Quadro P Series, NVIDIA Quadro RTX 4000, or Intel HD Graphics 4600 series or greater
- **Input / Output Ports:** at least 2 USB 3.0 ports.
- **External Hard Drive:** 1TB (minimum)
- **USB Flash Drive:** 1TB (minimum) (a.k.a. data stick, memory unit, keychain drive, thumb drive or portable storage device)
- **File Storage:** As a Ball State student, you will have access to Box, a cloud storage service.



### Software:

**Microsoft Office** for PC or Mac (Office 365 Pro Plus is now available for free download for students via webmail).

**Adobe Creative Cloud: Photoshop, Illustrator, InDesign, Acrobat** (Reduced Rates for Enrolled Students)

**Antivirus Software:** Free antivirus software from Microsoft Security Essentials.

**ArcGIS Software**  
(free access provided through the department).