

## 2022-2023 Computer Requirements

### BC Computer Specifications: Windows Laptop

The Department of Building Construction's computer specifications requires a powerful laptop with strong graphic processing capabilities. Many of the classes involve architectural and structural modeling of buildings, and 4D construction simulations using tools such as Autodesk Revit and Navisworks which require a windows operating system.

OS	Windows 10 Enterprise or Pro edition, 64-bit version
CPU	Multicore Xeon or i-5/7 Series processor or AMD equivalent (highest affordable CPU speed rating recommended)
Memory (RAM)	16 GB or higher
Hard Disk Drive	500 GB or larger recommended SSD drive
Graphics	DirectX 11 capable graphics card with Shader Model 5 as recommended by Autodesk for Revit software application.
Peripherals	External Mouse, built-in or external webcam
Wireless	See university requirements ( <a href="https://www.compreq.vt.edu/purchase.html">https://www.compreq.vt.edu/purchase.html</a> )
Backup	Any method, e.g., external hard drive, cloud storage, etc.
Warranty	3 Year onsite with accidental damage coverage (recommend 4 years)

Included Products: Microsoft Windows Operating System with Microsoft Office 365 Pro Plus

**Note 1:** To be successful, the department recommends the purchase of a printer, mouse, and monitor. A computer that supports digital inking is useful.

**Note 2:** All BC students will be billed for the software bundle through Information Technology Acquisitions. The 5% VA sales tax will be added to all orders. Please see this [link](#) for more details.