



Students are required to purchase a laptop to complete assignments in and out of the classroom.
The laptop is required ON THE VERY FIRST DAY OF CLASSES in every semester.

The software used in our program is very graphics intense and requires a computer with a dedicated graphics card. We find a VR compatible gaming computer with an Nvidia GeForce GTX 1060 6GB or Nvidia GeForce GTX 1070 8GB Graphics card works best with the software used in our program.

The following is a list of **minimum requirements**:

CPU: Intel i7-8750H

RAM: 16GB

Video: Dedicated Nvidia Geforce GTX 1060 Video card. **(VR Ready)**

Storage: 512GB SSD (or 256GB SSD + 1TB HDD)

Screen: 15.6 inches

Resolution: 1920x1080

Input Device: **Wireless Mouse w/ scroll wheel**

WiFi: 802.11ac spec.

Bluetooth.

HDMI output port.

USB ports: 2 x USB 3.0 regular size.

Operating System: Windows 10 Home or Windows 10 Pro only. NO Windows 10 S.

Additional Requirements:

- USB 16GB USB storage memory stick for file transfers.
- Method for Backup Storage of Files - 500GB or larger USB external hard drive or cloud storage such as OneDrive. (Microsoft® Office 365® and OneDrive® is free for all NAIT students)

Notes from our Techs:

- Please use only SSD or M.2 storage technology for your boot/primary device as using a different storage technology will diminish your performance of your laptop.
- Some applications have problems displaying properly with 4K screens and additional software patching will be required to resolve issues, prefer 1920x1080 resolution.
- The installation of 3rd party anti-virus and anti-malware packages might interfere with some of the applications you use for our course.

Software Requirements (these will be discussed in class) – DO NOT PURCHASE ANY OF THESE IN ADVANCE.

- Microsoft® Office 365® and OneDrive® - provided to all NAIT students for free, downloads are available through the NAIT Portal
- AutoCAD® software (student version) – provided for free, first day of AutoCAD® classes
- Revit® – provided for free, first day of Revit® classes – in 2nd semester
- Latest version of Adobe® Creative Cloud® (includes Photoshop®, Illustrator®, InDesign®, and Acrobat Pro®) (available at reduced monthly student pricing to be discussed in class) 2nd semester (for LANT), 3rd semester (for INDY/ARCT) (approx. cost \$360.00 CAD per year)
- SketchUp® Pro (starting 2nd semester) - available at student pricing to be discussed in class (Approx. \$65.00 CAD per year)
- IRender® Software - provided for free in 3D modelling classes - in 2nd semester
- Enscape Software – Free student trial version (2nd semester)

The use of **Apple® laptops (Macs®)** is **STRONGLY DISCOURAGED and not supported**. The software used in the programs (and in industry) is native to the Windows® PC platform. Experience in previous semesters has shown that Apple® laptops running Windows® have had incompatibility issues with some of the software used in the programs.

Notes:

- Students are responsible for the service and repair of their own computers.
- NAIT takes no responsibility for hardware or software compliance.
- It is strongly recommended that students have up-to-date virus protection such as Windows Defender on their computer.

If you have any questions please contact:

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Revised 5/2/2019