

UCN Natural Resource Management Technology Laptop Specifications

A laptop is required within the NRMT Program to access information, submit assignments, and complete projects in Microsoft Word, Excel, and PowerPoint. Students will also be using [ArcGIS Pro](#), which requires a fair amount of computing power. Using an old or low-spec computer may lead to slow performance, increased processing times, and a higher risk of errors and crashes.

To ensure an optimized experience, it is recommended to invest in a quality laptop that meets or exceeds the minimum specifications for ArcGIS Pro. A good laptop will enhance efficiency, improve the user experience, and set up students for success across all NRMT courses.

Recommended Specifications

- Windows 10/11
- **Processor:** Intel i7 or AMD Ryzen 7
- **Memory (RAM):** 16GB or more
- **Graphics:** Dedicated Graphics Card (optional)
- **500gb Solid State Hard Drive**

Minimum Specifications

- Windows 10/11
- **Processor:** Intel i5 or AMD Ryzen 5, 2.2GHz dual-core
- **Memory (RAM):** 8GB
- **Graphics:** If no dedicated graphics card, more RAM (16-32GB) is recommended to compensate.
- **250gb hard drive**

For detailed specifications, please visit the [ArcGIS Pro System Requirements](#).

Laptop Suggestions

Laptops are constantly changing so we cannot recommend specific models. However, here are some recommended lines that we can recommend. Check that individual models meet the minimum specifications: **Dell XPS, Asus Zenbook, Lenovo ThinkPad.**

Gaming laptops such as the **Lenovo Legion, Asus ROG, and Dell Alienware** lines are also highly suitable for running ArcGIS Pro. However, they tend to be more expensive and may have trade-offs such as larger size and shorter battery life.

**ArcGIS is a Windows dedicated program. If you have an Apple computer, it may be possible to run ArcGIS through a Windows Emulator such as BootCamp. However, it will be up to you to set up, and ArcGIS may not run optimally. I can provide a license for ArcGIS Pro if you would like to test it before purchasing a Windows computer.

Laptops in the \$1200 to \$1700 range should perform adequately. While cheaper laptops with good specs might seem appealing, they often run poorly, have poor user experiences, and will negatively impact student productivity across all courses. As this is a significant purchase that can greatly impact your academic performance, I encourage prospective students to research laptops thoroughly and reach out to me with any questions.



University College of the North rshewchuk@ucn.ca

Ryan Shewchuk
NRMT Instructor

204.266.1988

HERE YOU CAN. UCN.CA