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University of Toronto Mississauga
Department of Geography, Geomatics and Environment
Web-based Learning Platform Instructions

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ArcGIS Desktop, ArcGIS Pro and Erdas Software Access

ArcGIS Desktop, ArcGIS Pro and ERDAS are available to GGE students. Mac users can use Parallels or Bootcamp or Virtual Machine to host a Windows 10 system. Free Windows 10 Education license can be obtained from uoft.onthehub.com.

License

Windows 10 Education

Create an account with <https://uoft.onthehub.com> to obtain a Windows 10 Education license (free).

ArcGIS Desktop and ArcGIS Pro

Request a licence through UofT at <https://mdl.library.utoronto.ca/technology/gis-software/esri-software-request>, and Map & Data Library staff will respond to your message with installation and authorization instructions as soon as possible.

Erdas Student license

Please contact Bruce Huang (y.huang@utoronto.ca) and he will provide the authorization instruction and software download location.

Hosting a Windows system under Mac system

Boot Camp

Apple's Boot Camp, which provides the most compatibility with Windows software. Essentially you can allow your computer to start-up into either Mac or Windows mode. You can only access applications from one of the operating systems at a time. Here are comprehensive instructions on installing bootcamp and then installing Windows: <https://support.apple.com/en-ca/HT201468>

Virtual Machine

Running a virtual machine on your computer, which is an application that mimics an entire computer. It will allow you to run Windows applications alongside your Mac applications. You have three options here:

- Oracle VirtualBox (Free) <https://www.virtualbox.org/>
- Parallels Desktop (Paid) <https://www.parallels.com/ca/>. You can find a yearly subscription from <https://uoft.onthehub.com> for an affordable cost.
- VMware Fusion (Paid) <https://www.vmware.com/products/fusion.html>

Here is an article outlining these options in more detail: <https://www.macworld.co.uk/feature/mac-software/best-virtual-machine-software-3671133/>

Software

ArcGIS Desktop

Hardware requirement

https://desktop.arcgis.com/en/system-requirements/latest/arcgis-desktop-system-requirements.htm#ESRI_SECTION1_4D839759F08146819E273A6DDD01DCBB

Windows User

1. UTMcitrix online learning system – <https://utmcitrix.cloud.com>
 - a. Online ArcGIS Desktop App
 - b. Online Remote Desktop to UTM computer labs
2. Install ArcGIS Desktop on a local workstation – request ArcGIS license from Map & Data Library at <https://mdl.library.utoronto.ca/technology/gis-software/esri-software-request>

Mac Users

1. UTMcitrix online learning system – <https://utmcitrix.cloud.com>
 - a. Online ArcGIS Desktop Apps
 - b. Online Remote Desktop to UTM computer labs
2. Install ArcGIS Desktop on a local workstation
Required licenses –
 - a. Windows 10 Education license – request from <https://uoft.onthehub.com/>
 - b. ArcGIS license – request ArcGIS license from Map & Data Library at <https://mdl.library.utoronto.ca/technology/gis-software/esri-software-request>Base system – Boot Camp or Virtual machine

ArcGIS PRO

Hardware requirement

<https://pro.arcgis.com/en/pro-app/get-started/arcgis-pro-system-requirements.htm>

Windows Users

1. UTMcitrix online learning system – <https://utmcitrix.cloud.com>
 - a. Available on Online Remote Desktop from UTM CC2130 Lab workstations
2. Install ArcGIS Pro on a local workstation – request ArcGIS Pro license from Map & Data Library at <https://mdl.library.utoronto.ca/technology/gis-software/esri-software-request>

Mac Users

1. UTMcitrix online learning system – <https://utmcitrix.cloud.com>

- a. Available on Online Remote Desktop from UTM CC2130 Lab workstations
2. Install ArcGIS Pro on a local workstation
Required licenses –
 - a. Windows 10 Education license – request from <https://uoft.onthehub.com/>
 - b. ArcGIS license – request ArcGIS Pro license from Map & Data Library at <https://mdl.library.utoronto.ca/technology/gis-software/esri-software-request>Base system – Boot Camp or Virtual machine

Erdas

Hardware requirement

Base - 64Bit CPU, 16GB RAM, 4GB for software, Windows 10 Pro 64-bit

Recommended Graphics Cards –

- NVIDIA® Quadro® K5200, K4200, K2200, K420
- NVIDIA Quadro K5000, K4000, K600 6

Windows Users

1. UTMcitrix online learning system – <https://utmcitrix.cloud.com>
 - a. Online Remote Desktop to UTM computer labs
2. Install Erdas locally –
 - a. must meet the system requirement
 - b. Erdas license – Please contact Bruce Huang at y.huang@utoronto.ca

Mac Users

1. UTMcitrix online learning system
 - a. Online Apps
 - b. Online Remote Desktop to UTM computer labs
2. Install Erdas on a local workstation
Required licenses –
 - a. Windows 10 Education license – request from <https://uoft.onthehub.com/>
 - b. Erdas license – Please contact Bruce Huang at y.huang@utoronto.caBase system – Boot Camp or Virtual machine