



# ArcGIS® Pro

**Downloading,  
Installing, and  
Licensing**

## **Esri's ArcGIS Pro**

**Academic Edition**

2.8.F2021.2

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**Mapping Applications and Resource Center**

**Jesse D. Jones College of Science, Engineering and Technology  
Murray State University**

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Murray State University is part of the state-wide license agreement between Esri and the Council on Post-secondary Education (CPE). The Mapping Applications and Resource Center, located in Blackburn Science Building, 4<sup>th</sup> Floor, covers the cost of the yearly license agreement fee, allowing all Murray State University faculty, staff, and students access to the world's leading geospatial software, ArcGIS. Our maintenance fee also provides access to ArcGIS Online for Education and world-class online training course which allows faculty, staff, and students to gain essentially knowledge and enhance skills in the growing body of geospatial data management and use.

The software provided, including ArcGIS Pro, is a fully-functional suite of software and extensions. Licensing is valid as long as one is a currently-employed faculty or staff person of Murray State University, or a currently-enrolled Murray State University student.

Software and its extensions are for the express use of Murray State University in the conduct of academic coursework, for academic research, and to support the physical infrastructure of Murray State University. Any other use is strictly prohibited and may result in the loss of access privileges. By creating an AGO account, you are accepting the conditions of the Esri – Murray State University – CPE site license agreement.

Questions regarding the acceptable use of any of the licensed Esri products should be directed to the Esri Contract Representative, Mr. Michael Busby ( [mbusby@murraystate.edu](mailto:mbusby@murraystate.edu) ), GIS Coordinator, Mapping Applications and Resource Center, Murray State University.

## Before You Install ArcGIS Pro

There are a few prerequisites to cover before ArcGIS Pro can be installed on a computer.

First, check to make sure the target laptop or desktop actually meets the system requirements to run ArcGIS Pro.

### Minimum system requirements:

- Windows 10 or Windows 8.1
- 2 Core CPU
- 4GB RAM
- 32GB of free space available on the hard drive
- 24-bit graphics card with 4GB of dedicated RAM

ArcGIS Pro requires Windows 8.1 or 10. **Apple computers are not supported.** ArcGIS Pro can be installed on a Mac computer only after creating a virtual computer environment using Boot Camp or Parallels, or similar product.

If you are not sure if your computer can run ArcGIS Pro, follow this link to install “[Can You Run It?](#)” and find out.

Second, faculty, staff, and students are required to have a Murray State University ArcGIS Online for Education account. The AGO account allows the software to be downloaded and licensed.

Please note: Esri’s ArcGIS Pro is strictly for education and academic research purposes.

## Getting a Murray State AGO Account

### *Murray State University / Esri’s ArcGIS Online for Education Account*

Fall 2021, Murray State instituted SSO (“Single Sign-On”) for our AGO environment. SSO allows faculty, staff, and students to utilize their current Murray State sign-on credentials to access Esri’s AGO environment, including ArcGIS Pro.

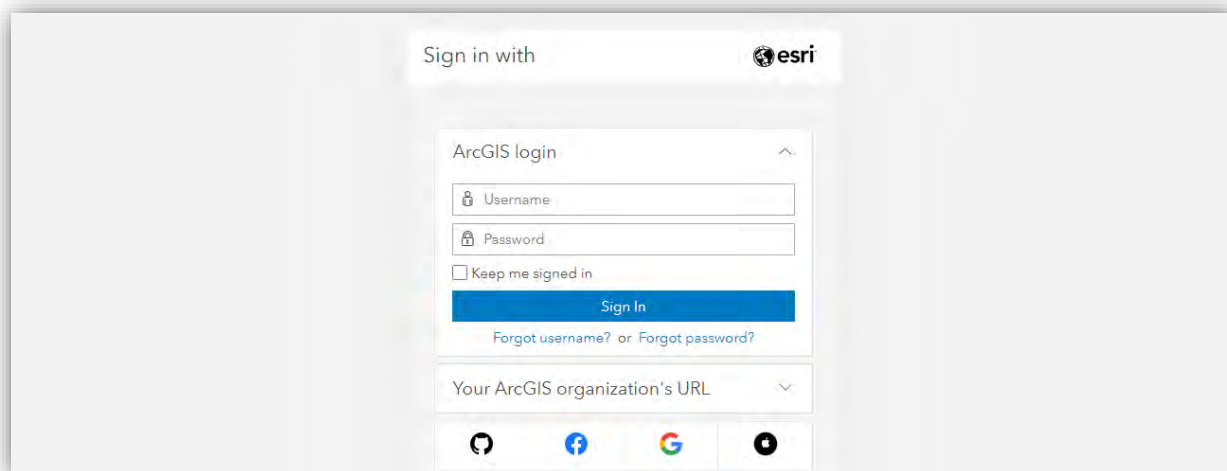
ArcGIS Pro is licensed through Murray State University’s ArcGIS Online for Education (AGO). Faculty, staff, and students are **required** to have a Murray State University AGO account in order to download and license ArcGIS Pro.

#### *First-time users*

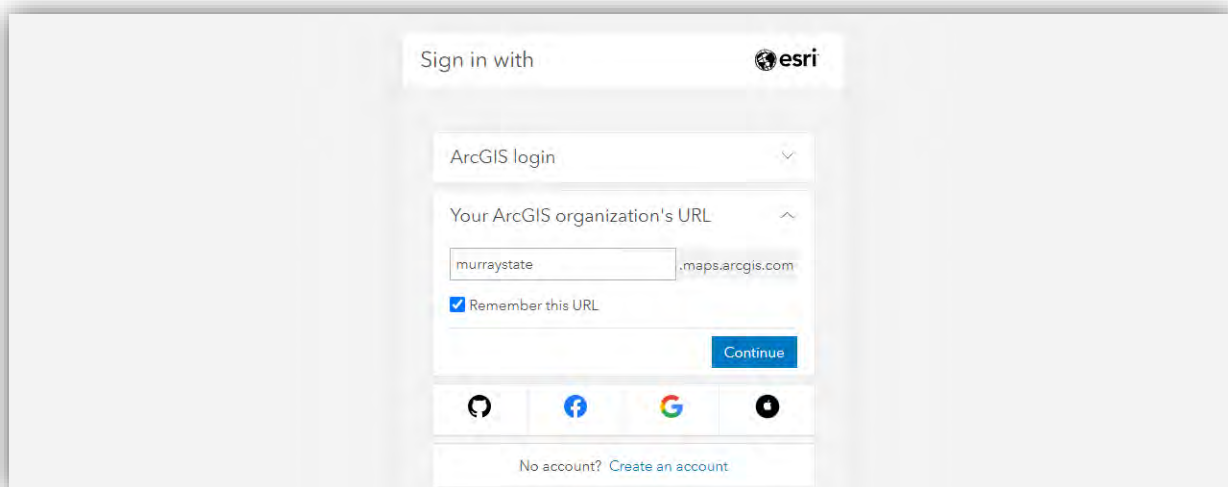
Open a web browser and navigate to [www.arcgis.com](http://www.arcgis.com) and click “Sign In.”



First time users will see this login screen. As a first-time user, you will not have a username nor password.

The image shows the ArcGIS login interface for first-time users. At the top, it says "Sign in with" followed by the Esri logo. Below this is a white box titled "ArcGIS login" with a dropdown arrow. Inside the box are fields for "Username" and "Password", a checkbox for "Keep me signed in", a blue "Sign In" button, and links for "Forgot username?" and "Forgot password?". Below the login box is a dropdown menu labeled "Your ArcGIS organization's URL". At the bottom of the white box are social media icons for GitHub, Facebook, Google, and Twitter.

Murray State University's AGO uses your Murray State username and password so click on "Your ArcGIS organization's URL" dropdown box.

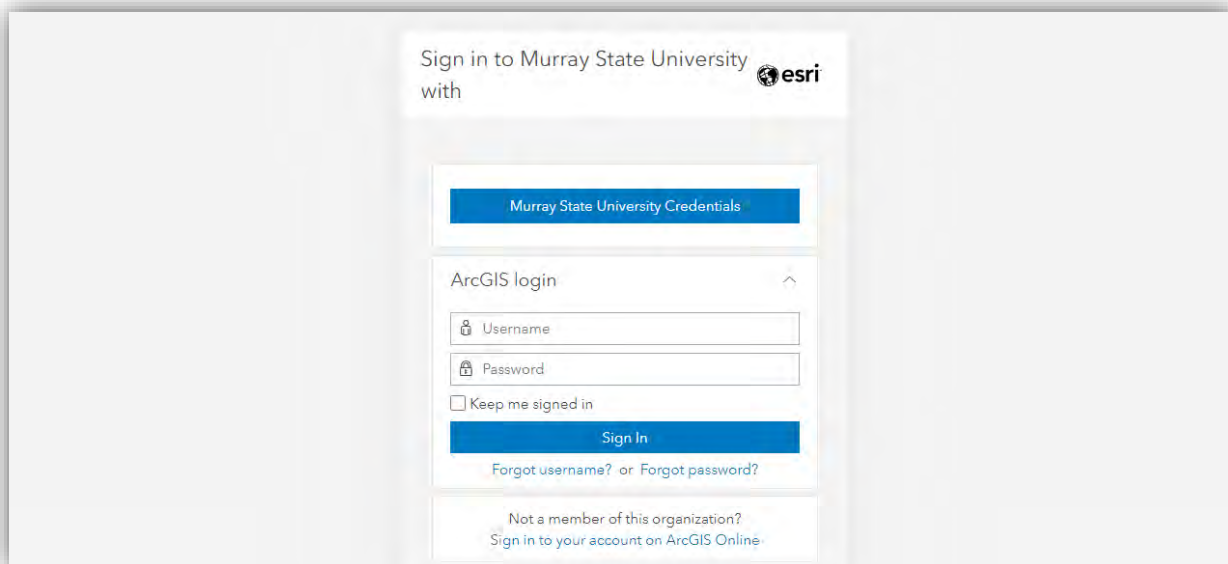
The image shows the ArcGIS login interface after selecting an organization. The "ArcGIS login" box is still present. Below it, the "Your ArcGIS organization's URL" dropdown is expanded, showing a text input field with "murraystate" and a dropdown menu with ".maps.arcgis.com". Below these is a checkbox labeled "Remember this URL" which is checked, and a blue "Continue" button. At the bottom of the white box are social media icons for GitHub, Facebook, Google, and Twitter. Below the white box is a link that says "No account? Create an account".

The ArcGIS login prompt will be replaced with a textbox. Enter **murraystate** into the textbox, making the URL **murraystate.maps.arcgis.com** the fully-qualified URL.

Check the "Remember this URL" box.

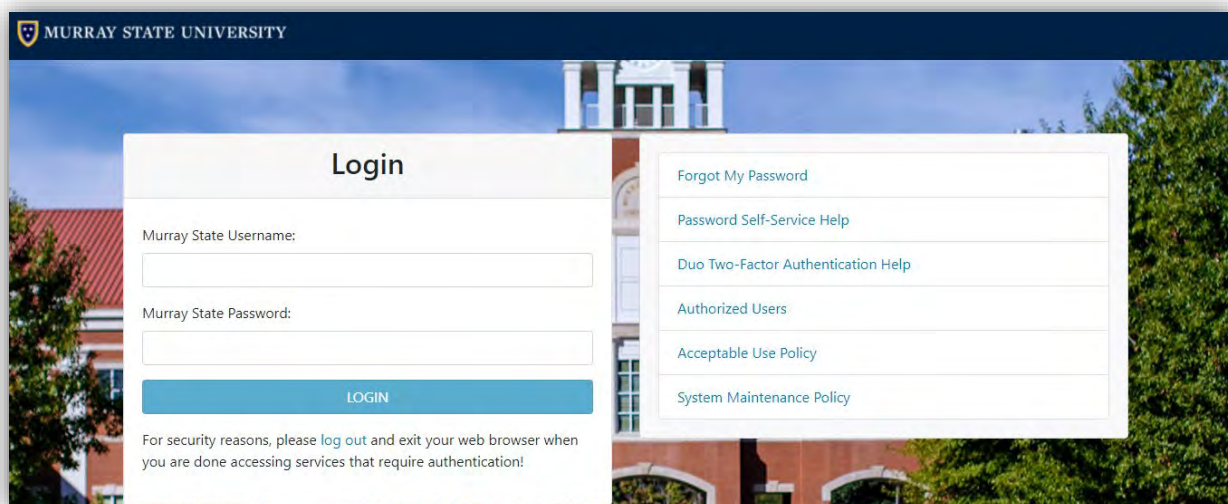
You will see a new screen offering the opportunity to sign in to the Murray State University AGO.

Click "Murray State University Credentials."



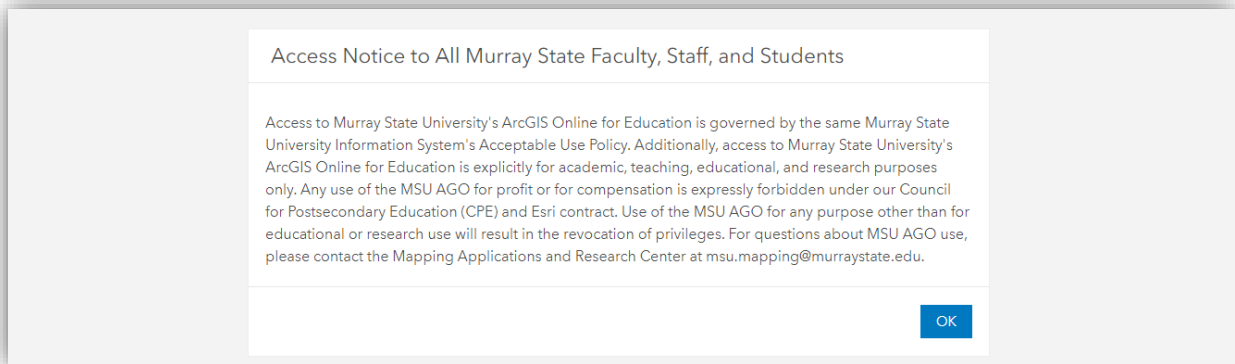
This screenshot shows the 'Sign in to Murray State University with esri' login page. It features a central white box with a blue button labeled 'Murray State University Credentials'. Below this is the 'ArcGIS login' section, which includes input fields for 'Username' and 'Password', a 'Keep me signed in' checkbox, and a blue 'Sign in' button. Links for 'Forgot username?' and 'Forgot password?' are provided below the sign-in button. At the bottom, there is a link for 'Not a member of this organization? Sign in to your account on ArcGIS Online'.

You will see the familiar Murray State University Login page. Enter your Murray State University Username and Password and click LOGIN.

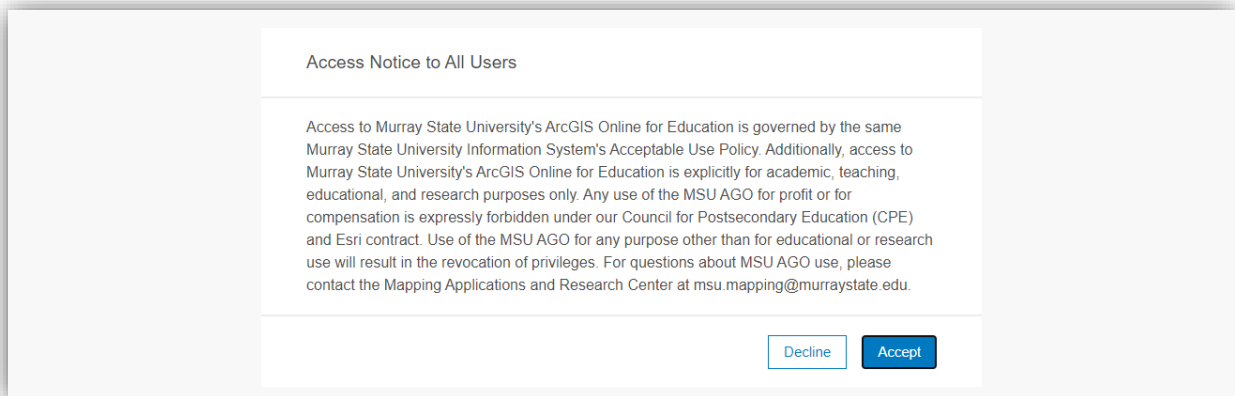


This screenshot shows the Murray State University Login page. The header includes the university's logo and name. The main content area has a 'Login' title and two input fields for 'Murray State Username:' and 'Murray State Password:'. A blue 'LOGIN' button is positioned below these fields. To the right of the login fields is a sidebar with several links: 'Forgot My Password', 'Password Self-Service Help', 'Duo Two-Factor Authentication Help', 'Authorized Users', 'Acceptable Use Policy', and 'System Maintenance Policy'. A security notice at the bottom of the login box states: 'For security reasons, please log out and exit your web browser when you are done accessing services that require authentication!'.

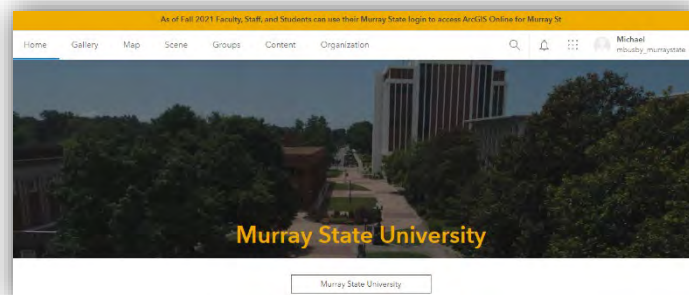
The Murray State University Access Notice will appear. Click OK to continue.



The Murray State University / Esri Access Notice will appear. Click Accept to continue.



You are now inside the Murray State University ArcGIS Online for Education (AGO) site.

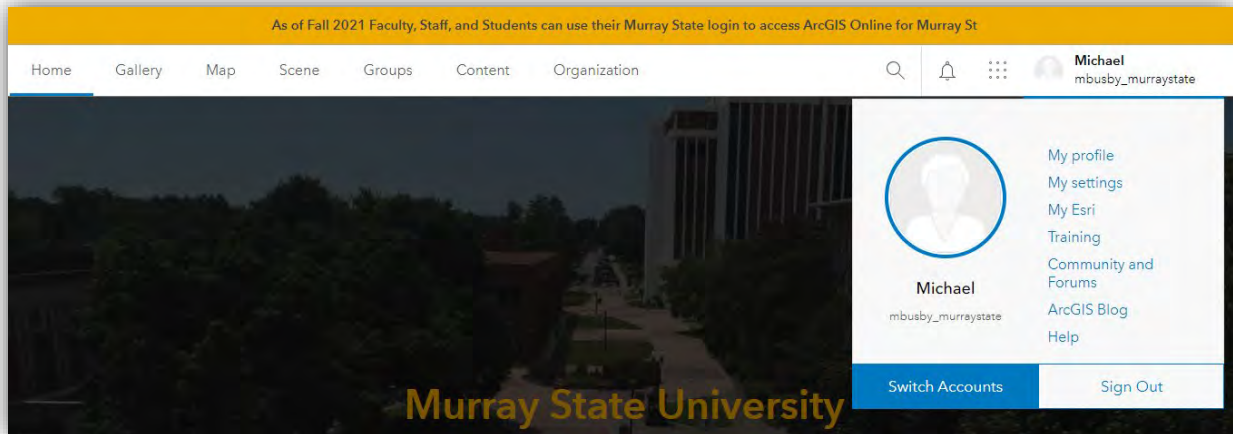


This process has created an account for you within Murray State's AGO. You will need to remember and use the URL [murraystate.maps.arcgis.com](https://murraystate.maps.arcgis.com) for future sign-in attempts and to use the AGO resources.

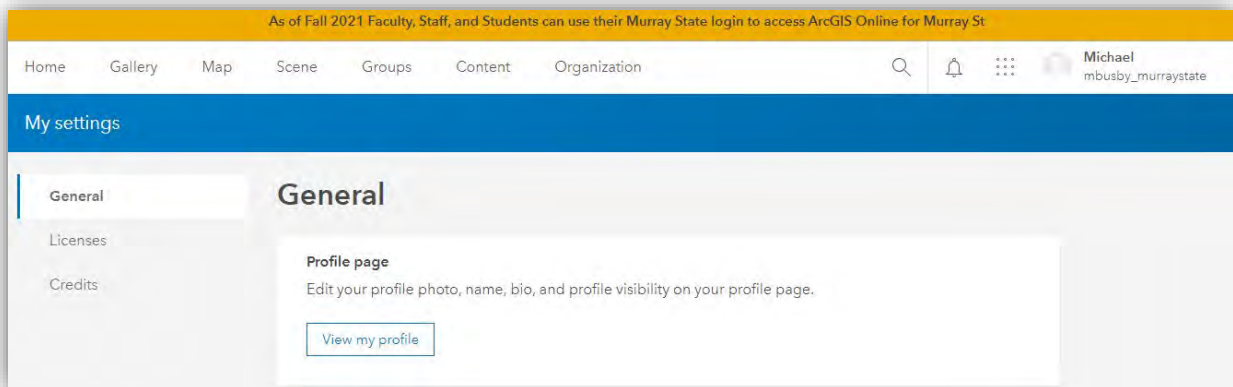
## Downloading ArcGIS Pro

In the upper right-hand corner you will see your first name and your Murray State University AGO account name. Click your username to access your account options.

Click **My settings**.

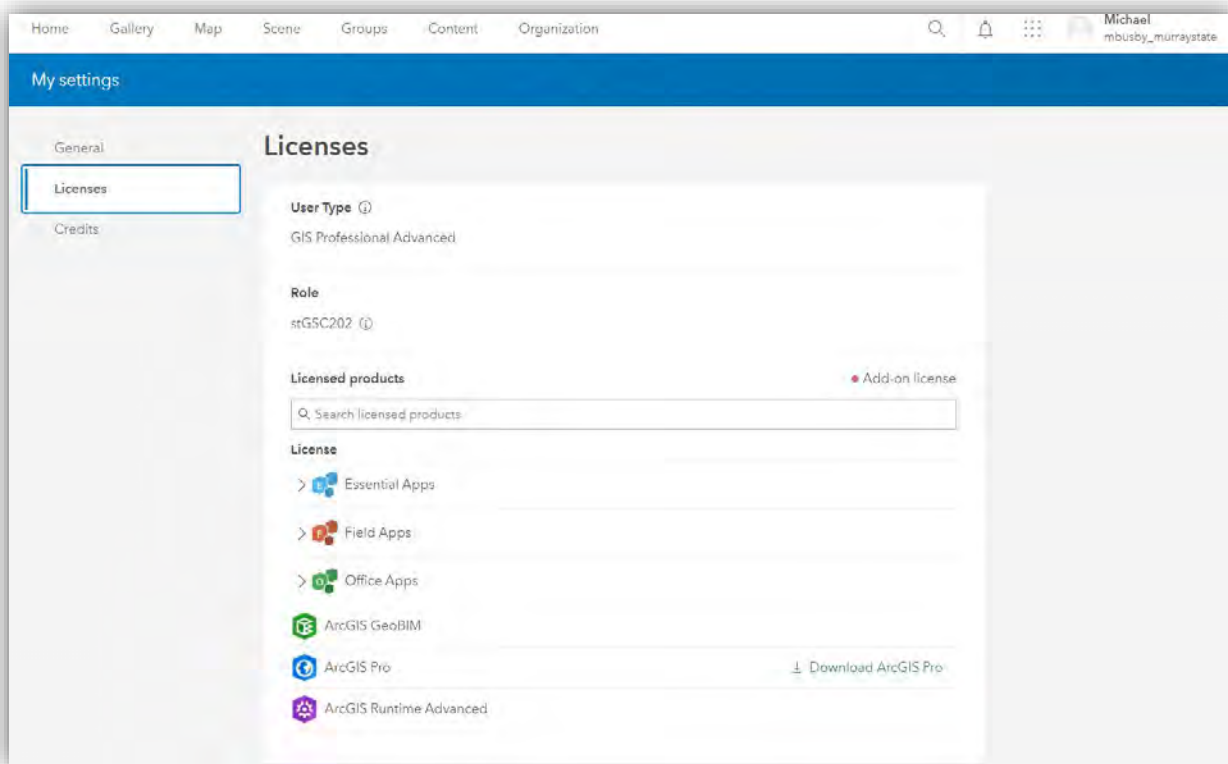


On the My settings page, click **Licenses** on the left menu.

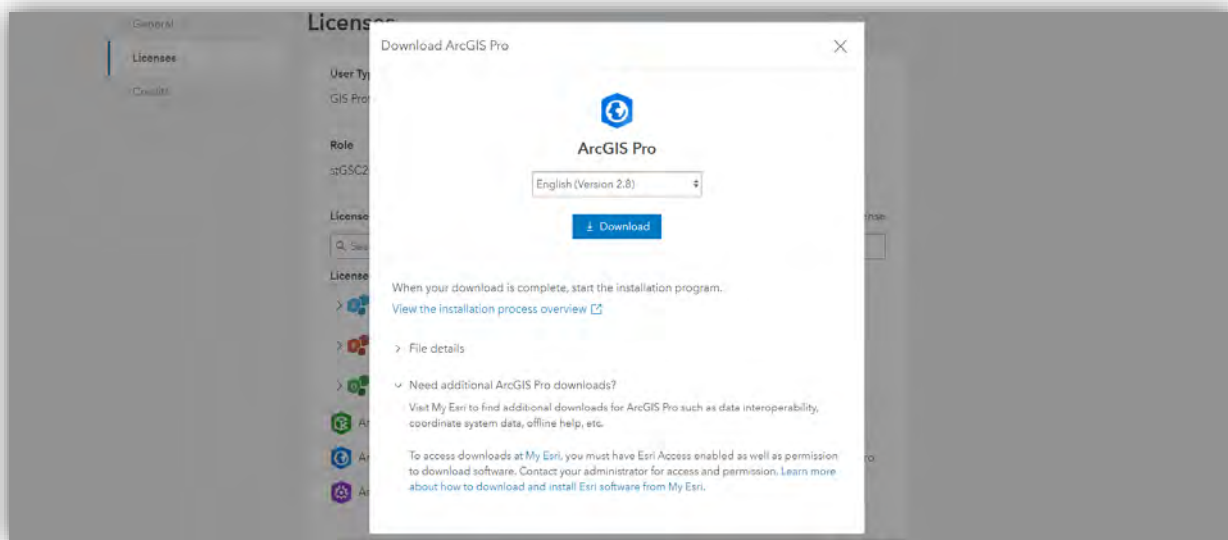




By default, your User Type is “GIS Professional Advanced.” Ignore the Role.



Click the Download button to begin downloading the English version of ArcGIS Pro 2.8. Make sure to remember the location of the download folder.





## Licensing ArcGIS Pro

By default, all Murray State University faculty, staff, and students are licensed to use ArcGIS Pro.

Other ArcGIS Pro extensions are currently licensed on an as-needed basis.

Some of the popular or necessary ArcGIS Pro extensions are listed below. If you are taking one of the many GIS courses on campus, you might already be **licensed\*** for an extension. If you are doing research outside of a class project, you can request a license for an ArcGIS Pro extension.

<b>3D Analyst</b>	Aviation Airports	Aviation Charting
Bathymetry	Business Analyst	<b>Data Interoperability</b>
Data Reviewer	Defense Mapping	<b>Geostatistical Analyst</b>
<b>Image Analyst</b>	Locate XT	Location Referencing
Maritime	<b>Network Analyst</b>	Production Mapping
Publisher	<b>Spatial Analyst</b>	Workflow Manager

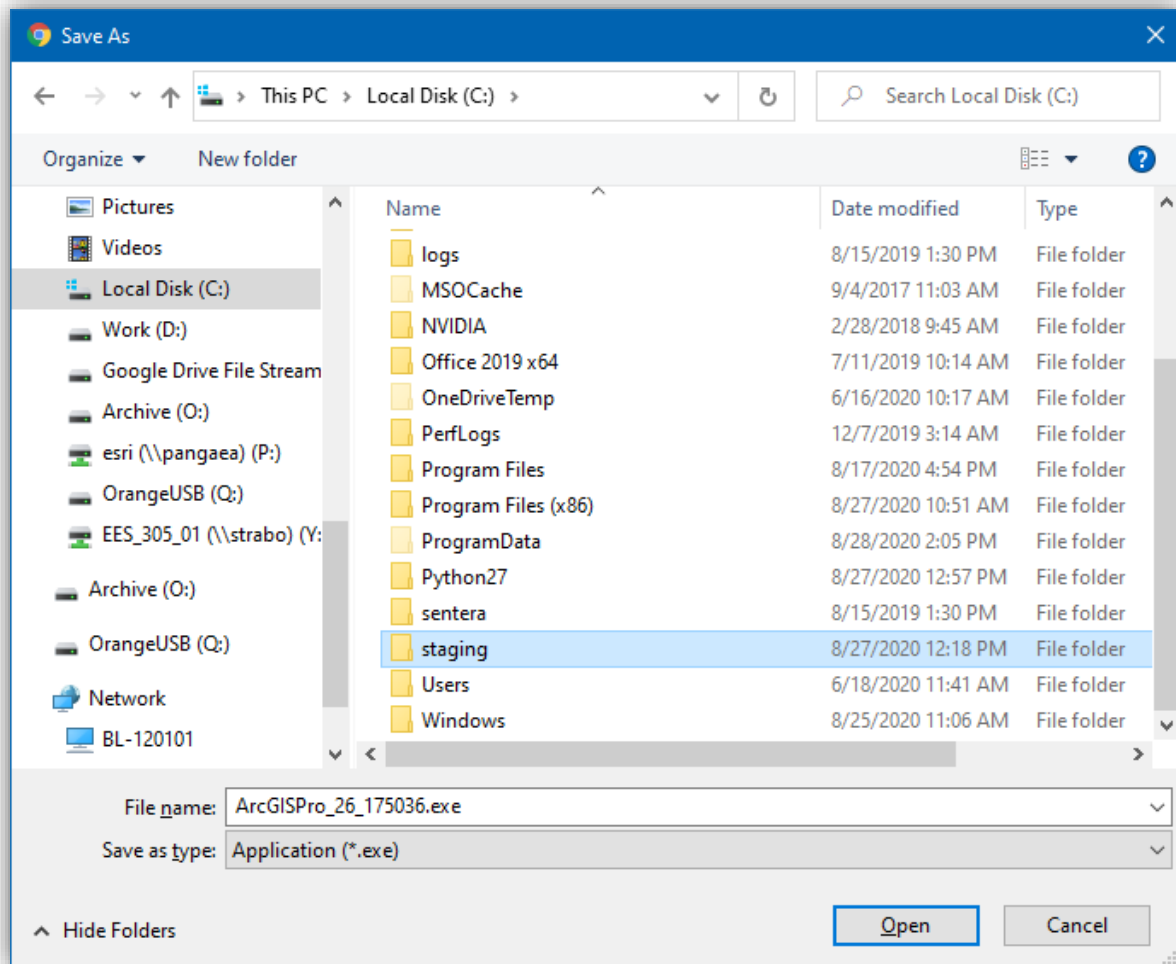
*\*Indicates an extension you may already have access to based on class registration.*

Murray State University and the Mapping Applications and Resource Center (MARC) support additional Esri App bundles and Applications.

For information about an ArcGIS extension or to request an additional extension, email [mbusby@murraystate.edu](mailto:mbusby@murraystate.edu) or [msu.mapping@murraystate.edu](mailto:msu.mapping@murraystate.edu).

## Installation of ArcGIS Pro

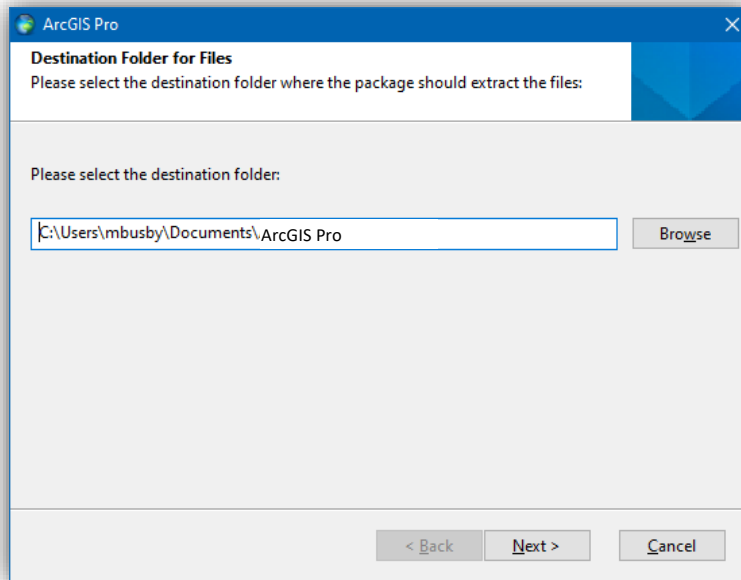
Using a “staging” folder is good practice for downloading and installing Esri self-extracting executable files. A staging folder is simply a temporary folder used by software to unpack itself prior to installation. Create a folder on your computer called, “staging.”



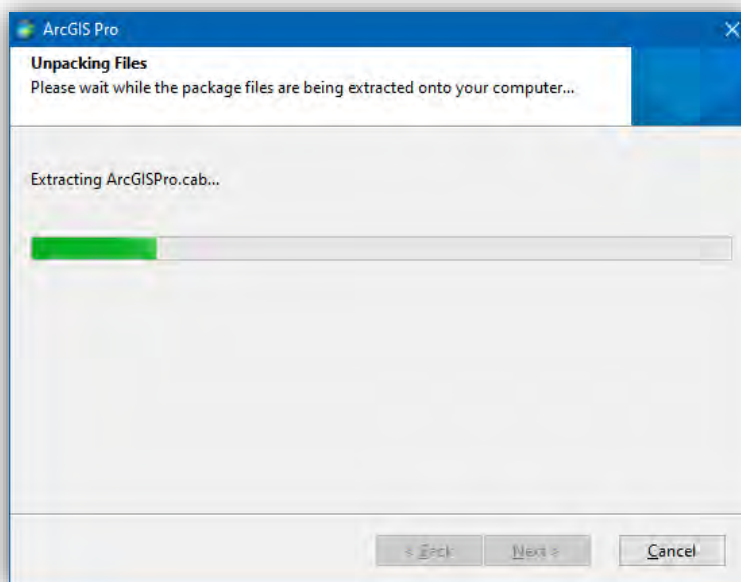
Another good GIS practice is to ensure all file details are visible, the Date Modified, the file Type, and the file Size. Also, from the View tab, check the box to display File name extensions. Knowing a file extension can help determine the sort of file and what application might be best suited for using the file. Finally, displaying the full path in the top bar of the window is helpful for locating yourself within your folder structure.

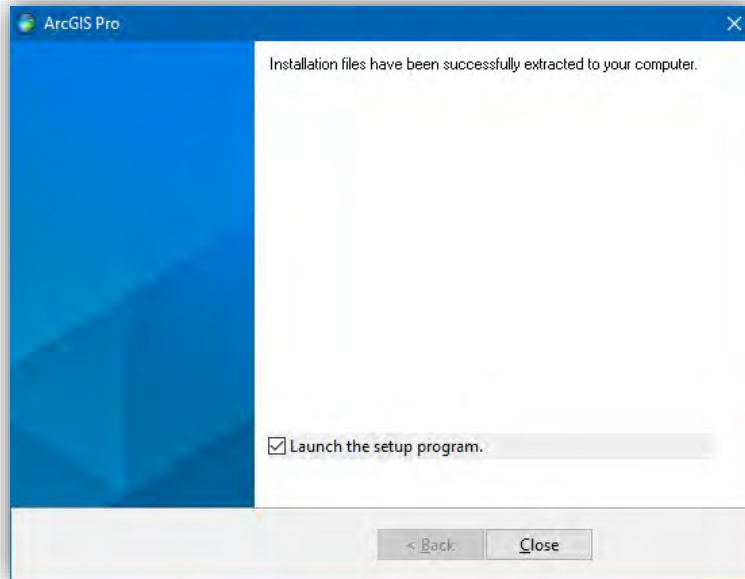
Navigate to the location of the ArcGIS Pro .exe file. To begin the installation of ArcGIS Pro, simply double-click the EXE for ArcGIS Pro.

The setup for ArcGIS Pro requires a destination folder to unpack all of the necessary files for ArcGIS Pro. Use the **Browse** button and navigate to the **staging folder** created earlier.



Extracting the necessary files requires a few moments; a progress indicator will appear and a list of files being unpacked will be displayed.

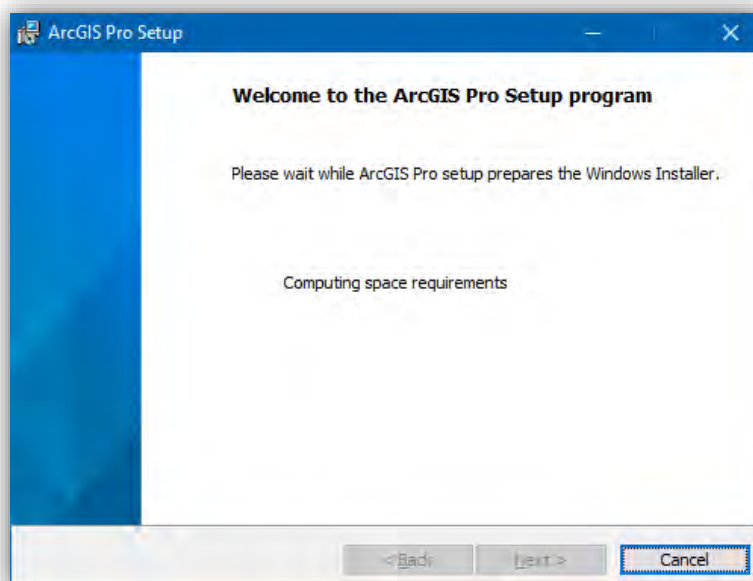




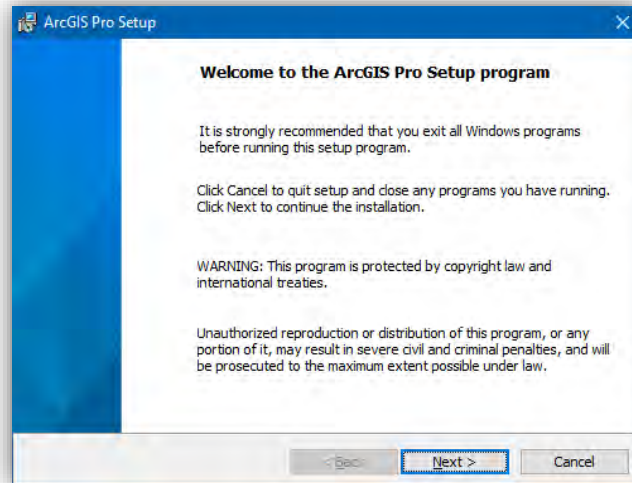
When the files have been successfully extracted, leave the “Launch the setup program” boxed checked and Close the window to begin installation.

### *Welcome to the ArcGIS Pro Setup program*

ArcGIS Pro will examine your computer, see if it meets the minimum system requirements, and check the hard drive for space. Next >



A screen displaying a few reminders and warnings will appear. Next >



### *Master Agreement*

This is the typical End User License Agreement (EULA). The software is for educational use only, for use to complete homework, and to assist with faculty-directed/guided research. Any other use is restricted and expressly forbidden. Make sure you accept the agreement in order to install the software. Next>

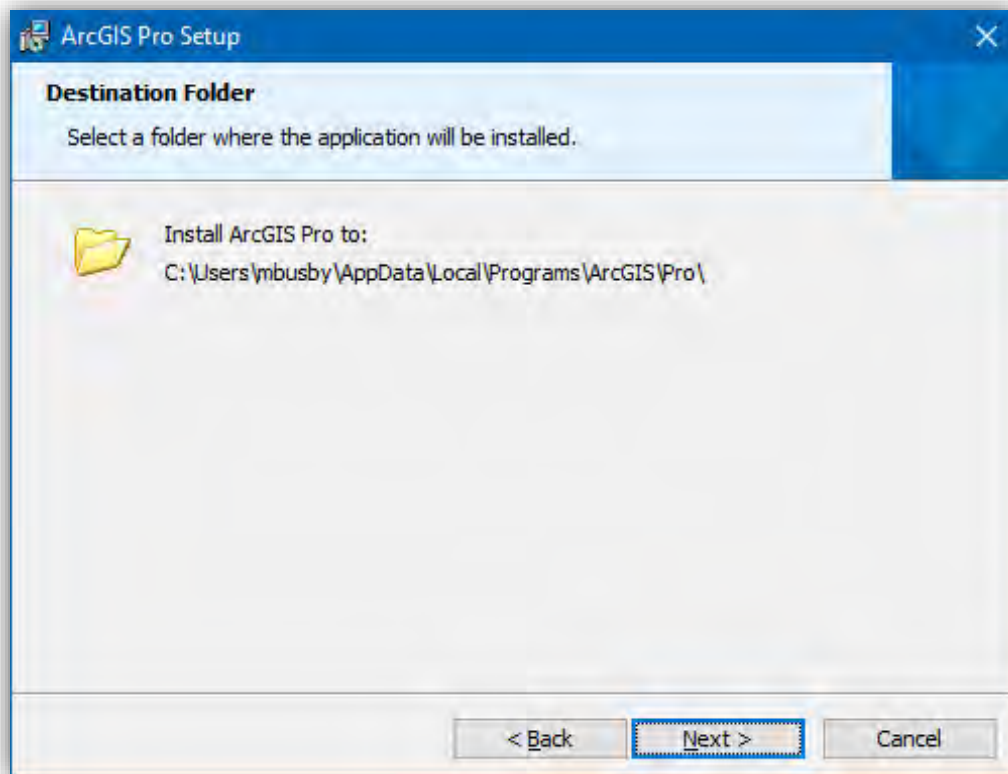


### *Esri Customer Experience Program (no screenshot)*

Do not join the Esri Customer Experience Program. Next >

### **Destination Folder**

Never change the destination folder unless you really want to muck up your install. Next>

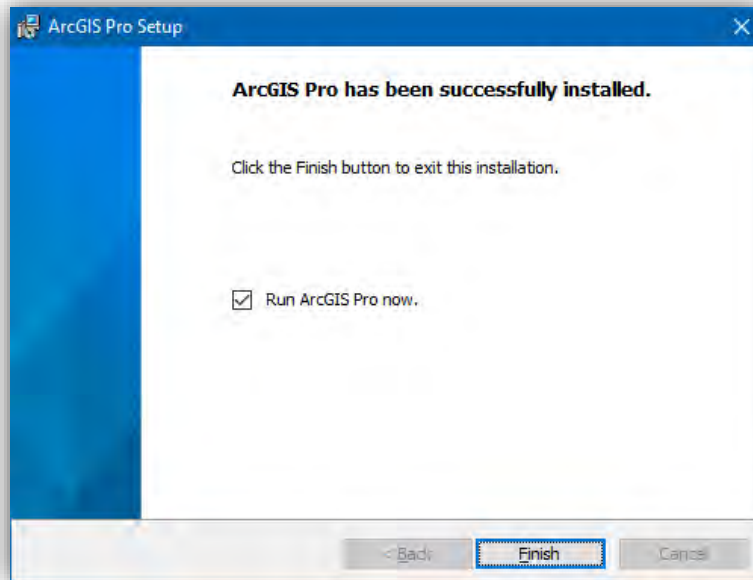


### **Take a Break While ArcGIS Pro Installs**

Get coffee; the installation is going to take a while.

### *ArcGIS Successfully Installed*

When the installation completes, leave the “Run ArcGIS Pro now” box checked. Finish



### *ArcGIS Pro Authorization (licensing phase)*

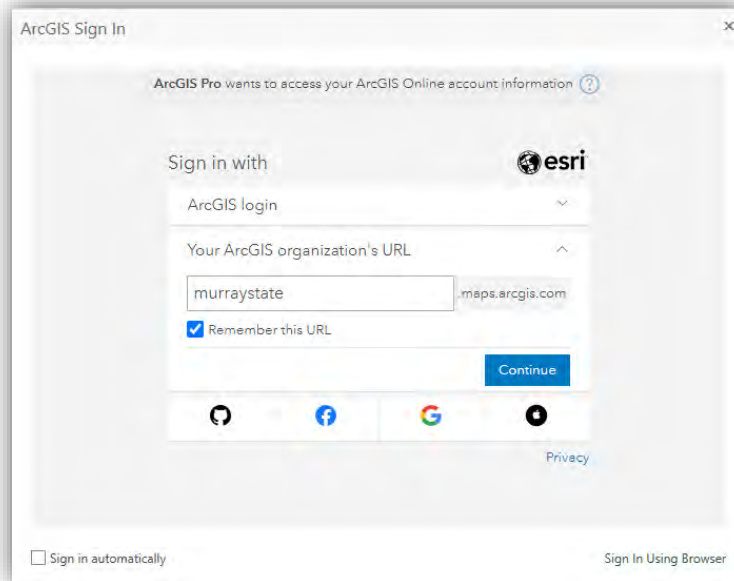
ArcGIS Pro takes a while to load. The splash screen will appear and below the logo messages will display indicating progress.






## ArcGIS Pro Sign In

Use the ArcGIS organization URL and enter **murraystate** in the field provided. Check the “Remember this URL” box. Continue.



ArcGIS Sign In

ArcGIS Pro wants to access your ArcGIS Online account information ?

Sign in with 


ArcGIS login

Your ArcGIS organization's URL

murraystate .maps.arcgis.com

☒ Remember this URL

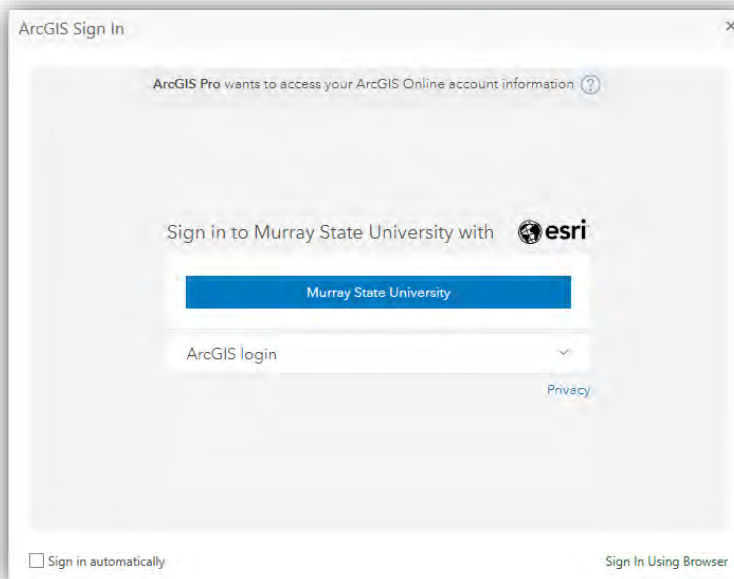
Continue



Privacy


☐ Sign in automatically Sign In Using Browser

Click the blue “Murray State University” button begin the authorization process.



ArcGIS Sign In

ArcGIS Pro wants to access your ArcGIS Online account information ?

Sign in to Murray State University with 

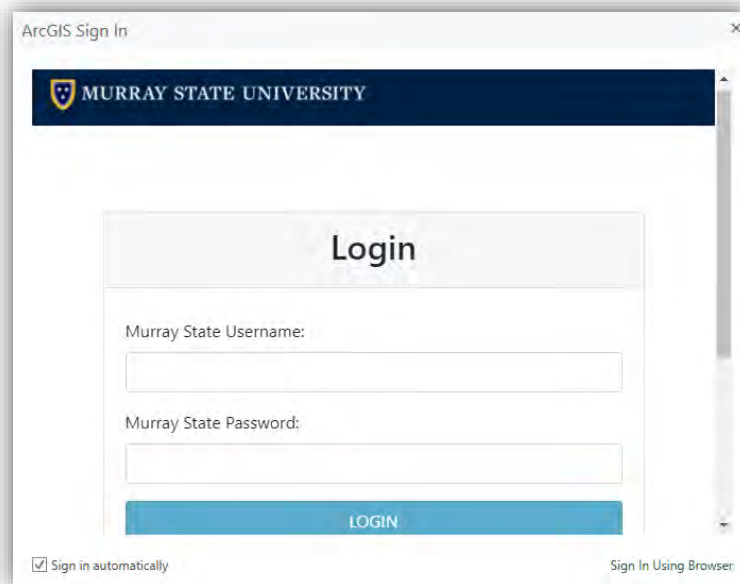
Murray State University

ArcGIS login

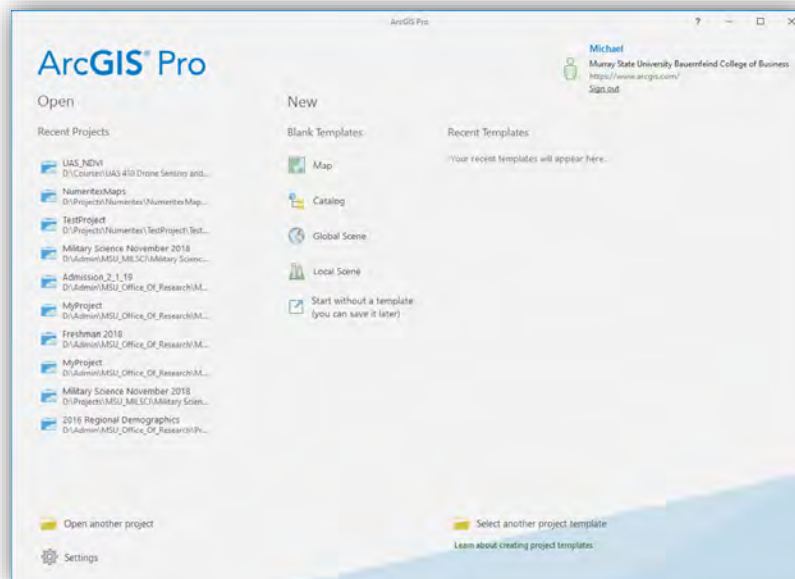
Privacy

☐ Sign in automatically Sign In Using Browser

Provide your Murray State University username and password. If all has gone according to plan, a window similar to the one below should appear.



ArcGIS Pro will sign you in, gather information about the extensions you are licensed to use, then present you with the initial dashboard to get started. You are now ready to rock-and-roll. **Commence GIS!**



## *Licensing Notes*

ArcGIS Pro requires a persistent internet connection. In other words, the computer must be connected to the internet. If the computer were to lose connection to the internet, ArcGIS Pro will run for about 60 minutes and then close.

## *Working in ArcGIS Pro*

Frequently save your work. Perhaps 2 or 3 times an hour. Esri GIS software is very sophisticated and represents one of the largest collections of programming objects outside of a Microsoft software product, and complicated software crashes.

MXD files are NOT your data. Your data is your data and MXD files are like HTML/XML files in that they simply reference your data, create links to your data, but do not contain your data nor contain the entirety of your project.

## *Software Updates*

Please be advised ArcGIS Pro will perform software updates automatically. While this may sound nice, your version may become different than the version used in class over time. Updates can be controlled under "Settings."

## *Getting Help*

### Troubleshooting & Help

The ArcGIS Pro does not come with technical support. However, Esri has an abundant amount of free help available to address a wide array of issues and concerns.

#### *Esri User Forums*

User forums are a good way to discover information of technical issues, or to figure out ways to use the software in addressing a particular research problem.

#### *Google*

Chances are, someone has already experienced a dilemma and has documented a solution. Perform a google search, either formed as a specific question, e.g. "how do I create a buffer in ArcGIS Pro 2.8" or simply by using search terms, like "watershed delineation ArcGIS Pro 2.8." Always include the software version in searches as the process can change between software versions.

#### *YouTube*

Esri has a YouTube channel, EsriTV. EsriTV has hundreds of videos demonstrating technology, from fundamental "how-to" tasks, to more sophisticated analysis, and topical videos on geospatial technology.