GeoSpatial Tools / Data
Provided by ITaP/RCAC

- ArcGIS 10.2.2 & CityEngine 2014.1
  - Site license; single user licenses; student licenses available
  - ArcGIS Online, Business Analyst Online & ArcGIS Pro; need to request
- Imagine 2013 & 2014
  - 32 Concurrent-use licenses; student licenses available
- ENVI 5.1
  - 21 Concurrent-use licenses
- eCognition v8 (object oriented R.S. analysis)
  - 1 Concurrent-use license each for ver 7, 8 or 9
- GeoSPHERIC 3.0 (GeoGenesis)
  - 50 Concurrent-use licenses
- MultiSpec
  - Freeware

Request support for licenses/software by sending request to: itap@purdue.edu
Web site for information
http://www.rcac.purdue.edu/userinfo/downloads/geospatial.cfm

Request support for licenses/software by sending request to: itap@purdue.edu

Help for using ArcGIS at: https://www.lib.purdue.edu/gis
ArcGIS Core/Extensions included in Purdue ESRI License

- ArcGIS Core: Basic (ArcView), Standard (ArcEditor) or Advanced (ArcInfo)
- 3D Analyst
- ArcGIS Data Interoperability
- ArcGIS Data Reviewer
- ArcGIS for Aviation: Charting
- ArcGIS for Maritime: Bathymetry
- ArcGIS for Maritime: Charting
- ArcGIS Schematics
- Business Analyst Premium
- ESRI Defense Mapping
- ESRI Production Mapping
- ESRI Roads and Highways
- Geostatistical Analyst
- Network Analyst
- Publisher
- Spatial Analyst
- Tracking Analyst
- VBA
- Workflow Manager
Frequently Asked Questions about ArcGIS at Purdue

We get a lot of requests for assistance with the ArcGIS software suite. While try to help with these, sometimes these questions are beyond our capabilities. We do not staff any experts in using ArcGIS and must submit a support ticket to Esri on your behalf. Before submitting a request, please check below to see if your question has already been answered.

Be aware that ArcGIS is a very complex and advanced suite of software. If you just need to poke around some spatial data there are open source alternatives that may be better options for you.

Where do I get ArcGIS / ArcView / etc.?
If you are Purdue faculty or staff, you can download installers from the [ArcGIS page](#) on this site. You will authenticate using Career Account credentials to initiate the download process.

How do I install ArcGIS / ArcView / etc.?
Installations instructions for each version of ArcGIS are all listed on the [ArcGIS page](#) on this site.

Which ArcGIS package do I need? What is ArcView? What is ArcEditor?
ArcGIS comes in a few different versions, each with different capabilities. The names of these versions are rather confusingly named in ArcGIS 10. Please consult this [simple table of ArcGIS versions](#) or the [full functionality matrix for ArcGIS 10](#). ArcGIS versions are now labeled Basic, Standard, and Advanced rather than ArcView, ArcEditor, and ArcInfo, respectively.

Where can I install ArcGIS / ArcView / etc.?
Purdue's license allows installations only on Purdue-owned machines or faculty/staff personal computers under restrictive terms.

Can students install ArcGIS / ArcView / etc. on their own computers?
No. Purdue's license with Esri does not allow for this. Instructors can request a [one-year license](#) for this purpose if they need one of Esri's desktop products.
About the Purdue Terrestrial Observatory

The PTO deploys two Real-Time Multi-Satellite Receiving Stations, a geostationary groundstation for NOAA's GOES and a tracking groundstation for polar orbiting satellites, including NOAA's AVHRR and NASA's Terra & Aqua MODIS sensors. Researchers focus on temporal and spatial analysis, data fusion and data mining of remotely sensed imagery in a high performance, high bandwidth environment.

The PTO works closely with other research groups and services at Purdue, including Purdue's Laboratory for Applications of Remote Sensing (LARS), which celebrated its 45th anniversary in 2011, the NASA supported Indiana Space Grant Consortium (INSGC), the Envision Center for Visualization and Data Perceptualization, and the IndianaView Consortium and others.

The PTO is building upon these relationships to develop cooperative agreements with NASA, DOD, NIMA, NIST, NSF, NOAA, DOT, DOE, USGS, EPA, USDA, CDC and the Office of Homeland Security. Currently, the PTO serves as the lead agency for the IndianaView consortium, a member of the USGS–supported AmericaView, Inc.

Alliances are being sought with the relatively small number of university–based real-time remote sensing facilities, including those based at minority–serving institutions, so as to facilitate research collaboration and to assure critical redundancy.

PTO is a part of the Scientific Solutions group within ITaP's Research Computing (RCAC).
PTO Subscription Service

NOTE
1. No notification email will be sent for the GOES products due to the frequency of data generation. Please access the data subscribed from the My Subscriptions page.
2. We currently provide subscriptions to only a restricted set of data products. The complete list of data products can be found here. Please use the Contact Us page to inform us of any other data products that you are interested in subscribing to.
3. The timezone used for all data subscription processing is EST.

Username: biehl
Email: biehl@purdue.edu
Satellite: AQUA [MODIS]
Product: MOD09 – Reflectance
Data Format: HDF
Start Date: 3 Nov 2014
Number of Days: 2

I would like to receive email notification each time a new AQUA/TERRA data product becomes available

Subscribe

https://gridsphere.rcac.purdue.edu:9443/gridsphere/gridsphere
IndianaView-GloVis

- Graphical Interface for viewing & downloading remote sensing image data for Indiana
- More than 320 Landsat TM, 500 ASTER and 2 Corona scenes are available
- Link to high spatial resolution aerial images stored on IU Spatial Data Server
- Some products like NASS Crop Data Layers & MODIS LAI

IndianaView GloVis link: http://www.indianaview.org/glovis/index.html
Questions

Tracking Antenna inside Radome near Purdue Airport