

Complete all 12 exercises of the Network Analyst Tutorial.

The ArcGIS Network Analyst Extension tutorial

<http://resources.arcgis.com/en/help/main/10.1/index.html#//00470000005r000000>

Exercise 1: Creating a network dataset

Exercise 2: Creating a multimodal network dataset

Exercise 3: Finding the best route using a network dataset

Exercise 4: Finding the closest fire stations

Exercise 5: Calculating service area and creating an OD cost matrix

Exercise 6: Creating a model for route analysis

Exercise 7: Servicing a set of orders with a fleet of vehicles

Exercise 8: Finding best routes to service a set of paired orders

Exercise 9: Choosing optimal store sites using location-allocation

Exercise 10: Configuring live traffic on a network dataset

Exercise 11: Performing network analysis using traffic data

Exercise 12: Performing network analysis using restriction attributes

The tutorial data are on the second DVD included in your ArcGIS 10.1 student license, but can also be downloaded here:

<http://www.arcgis.com/home/item.html?id=d6bd91b2fddc483b8ccbc66942db84cb>

Proof-of-completion and Deliverables

1. Please print the map(s) you have on your screen at the end of each of the twelve exercises.
2. Add one page of reflection: what were the 5 or 6 most interesting things you learned in this tutorial and describe 2 or 3 ideas how you could use Network Analysis for something that you are interested in.
3. Add a cover page, staple it all together, and hand-in the package Wednesday 13 November 2013 at the beginning of class.

➔ **Contact me for help or clarification of this assignment or my expectations as needed.**