Python has become the de facto programming language for manipulating and processing geographic information. Researchers and developers are especially fond of its clean syntax, built-in data types, and extensibility, which have catapulted it to the top choice for rapid prototyping. This course is an introduction to using Python as a macro language for geo-processing (in ArcGIS), as well as a general-purpose programming language for manipulating spatial data. Python skills are highly-prized in the industry because a GIS analyst can automate many of the mundane tasks that would be time-consuming or impossible to do manually.

“I’d rather have one GIS analyst that knows Python over forty that don’t.” —K. Bell, SLC GIS