

ARCGIS PROGRAMMING WITH PYTHON

ADVANCED PROFILE

PEDAGOGICAL OBJECTIVES

Master the main basic functions of the ArcGIS Pro application.

At the end of the course, participants will be able to:

- Run basic ArcPy commands
- Develop a Python script with ArcPy
- Run ArcPY scripts in ArcGIS Pro or Standalone
- Discover the ArcGIS API for Python



TARGET AUDIENCE

Geomaticians/Administrators



PREREQUISITES

Basic knowledge of the Python language
 Knowledge of ArcGIS Pro and its geoprocessing tools
 Have a workstation equipped with ArcGIS Pro and associated licenses



TEACHING RESOURCES

Software license provided: no
 Digital training aids given to trainees



DURATION > 2 days (14h training)



RATES > On quotation



TERMS AND CONDITIONS

Face-to-face training only
 Dates to be defined



REGISTRATION

E-mail > formation@arx.it
 Tel. > +33 (0)5 46 34 07 71

For disabled access, please consult us

CONTENTS

- **Day 1:** Introduction to ArcPY, use of basic commands. Interface construction with Qt. Links to useful documentation.
- **Day 2:** Creating of plugins "geoprocessing" with GUI.
 Use of PyQGIS standalone scripts.
 Introduction to more advanced concepts:
 - Qt event management
 - Task/threading management (Qgs Task)

DAY 1

INTRODUCTION TO ARCPY

Introduction to the ArcPy library
 ESRI documentation and use of basic commands
 Handling geoprocessing with ArcPy commands in ArcGIS Pro

DAY 2

DEVELOPING PLUGINS WITH PYQGIS

Automating geoprocessing with ArcPy in ArcGIS Pro
 Using Notebooks in ArcGIS Pro
 Creating standalone scripts and setting up scheduled tasks

GIS LIBRARY

Introduction to the GIS library
 Presentation of some examples
 Links to ESRI documentation

QUESTIONS AND ANSWERS

