



U.S. Fish & Wildlife Service

National Conservation Training Center

Conserving the Nature of America

CSP7204 - GIS Intermediate

Course Code	CSP7204
Course Title	GIS Intermediate
Description	<p>The GIS Intermediate course is the next logical progression after mastering the fundamentals of ArcMap. This 4.5-day course develops essential GIS skill sets and methodologies that will help conservation practitioners manage spatial data, perform spatial analyses and automate tasks. Concise presentations are followed by real world lab exercises with data from the field. Students will be introduced to data management best practices, data preparation, Geoprocessing tools and how to acquire the appropriate raster data for their project. Students will also learn how to automate complex processing steps using Model Builder and learn how to share their data and maps with other cooperating programs and partners on-line.</p> <p>OBJECTIVES:</p> <ul style="list-style-type: none">• Identify and repair spatial reference issues commonly associated to geospatial data sets• Manage spatial and tabular data with Geodatabases• Import data from other programs such as R and MS Access• Explore and utilize ArcToolbox to locate specific Geoprocessing tools• Employ basic Geoprocessing overlay and extraction techniques• Explore and utilize the Model Builder interface to build simple to complex models• Identify and acquire raster data sets used for and land cover classification and habitat analysis• Share geospatial data and maps using Google Earth and ArcGIS on-line• Build expressions in Raster Calculator to create new raster layers <p>TARGET AUDIENCE:</p> <p>Biologist, Ecologist and Planners</p>
Delivery Method	Instructor Led
Non-FWS Fee	\$1,195.00
Instructional Hours	36
Credits/CEUs	3.0
Course Content Contact	Eric Kelchlin; eric_kelchlin@fws.gov; (304) 876-7470
Curriculum Category	Geospatial Technologies
Registration Link	Register in DOI Talent
DOI TALENT Course Type	ILT
College Credit Name	Semester Hours
College Credit Value	2

Schedule: CSP7204 - GIS Intermediate

Start	End	Session Information	Location	Session Contact
8/10/2020	8/14/2020	For registration questions: sharon_howard@fws.gov For course content questions: clarissa_mathews@fws.gov Class begins at 8:00am on the first day and ends at noon on last day	National Conservation Training Center (NCTC)	sharon_howard@fws.gov