

Thursday

Session 1 – 8:30am – 10:00am

<u>Track</u>	<u>Class</u>	<u>Instructor</u>		
Takeoff Estimating	CAD basics for Contractor	Todd Carlson	Cox	Kinder Music Room
Construction Data Prep	Taking the 'Data' from 2D to 3D	Tom Peak	Cox	Art Gallery
Mining (1)	Grid File Utilities	Grant Wenker	Cox	The Asylum
Mining (2)	Drillhole Imports	Brian Hamm	Cox	Blue Lodge Room
Field (1)	SurvCE\SurvPC Menus, MAP Screen and Cloud	Derek Roche	French Quarter	Mardi Gras I
Field (2)	Carlson Hardware - GPS, CR2 and Data Collectors	Aaron Newman	French Quarter	Mardi Gras II
Survey Office	SurveyGNSS	Nuno Fernandes	Museum Center	Wood & Clarke
Survey Office	Getting Started with Carlson Software	Jennifer DiBona	Chandler's Too	Meeting Room
Civil (1)	Sketch Plan\ Design of Lots and Fixing Problems	Scott Griffin	First National Bank Bldg	Carlson Conference Room
Civil (2)	Building your Existing Surface to Design on	Ladd Nelson	Museum Center	Education Work Room
GIS	GIS360 Android	Derek Fox	Museum Center	Changing Exhibits Gallery

Session 2 – 10:30am to 12:00pm

<u>Track</u>	<u>Class</u>	<u>Instructor</u>		
Takeoff	Working with PDF and Raster files	Todd Carlson	Cox	Kinder Music Room
Construction Data Prep	Basic Model Building	Aaron Newman	Cox	Art Gallery
Mining (1)	Tunneling and Underground Solids	Steve Richards	Cox	The Asylum
Mining (2)	Comparison of Geologic Modeling Methods	Tyler Faulkner	Cox	Blue Lodge Room
Field (1)	SurvPC Esri GIS	Bruce Carlson	French Quarter	Mardi Gras I
Field (2)	GPS Localization and scaling to Ground	John Gerber	French Quarter	Mardi Gras II
Survey	SurvNET	Dean Goodman	First National Bank Bldg	Carlson Conference Room
Survey	Survey Commands that you did not know	Derek Roche	Chandler's Too	Room
Civil (1)	Intro to Carlson RoadNet	Gary Rosen	Museum Center	Education Work Room
Civil (2)	Commercial Site Design of Parking Lots	Jim Reinbold	Museum Center	Wood & Clarke Meeting Room
GIS	GIS360 Getting Started	Derek Fox	Museum Center	Changing Exhibits Gallery

Session 3 – 1:30pm to 3:00pm

<u>Track</u>	<u>Class</u>	<u>Instructor</u>		
Takeoff	Drawing Cleanup 3D data prep, Import CAD, Civil3D, and DGN files	Nuno Fernandes	French Quarter	Mardi Gras I
Construction Data Prep	3D Model Building for Sites	Tom Peak	French Quarter	Mardi Gras II
Mining (1)	Mine Mapping Symbols	Darell Trent	Cox	The Asylum
Mining (2)	Strata Polylines and Faults	Grant Wenker	Cox	Blue Lodge Room
Field (1)	Robotic/Reflectorless	Sarah Wenter	Cox	Kinder Music Room
Field (2)	Processing raw data and Adjusting Coordinate data	John Gerber	Cox	Art Gallery
Survey	Datamate and Carlson Software for volumes	Ilan Solel / Scott	Museum Center	Wood & Clarke
Survey	Intro to Carlson Field to Finish	Gary Rosen	Chandler's Too	Meeting Room
Civil (1)	Advance Template Design	Bruce Carlson	Museum Center	Education Work Room
Civil (2)	Getting started in Carlson Hydrology for Storm Sewer Pipes	Mark Long	Museum Center	Changing Exhibits Gallery
Elective	Intellicad Questions and Suggestions	Leonid Entov	First National Bank Bldg	Carlson Conference Room

Session 4 – 3:30pm to 5:00pm

<u>Track</u>	<u>Class</u>	<u>Instructor</u>		
Takeoff	Takeoff Earthworks Basics	Todd Carlson	Cox	Kinder Music Room
Construction Data Prep	3D HIGHWAY ROAD MODELING	Tom Peak	Cox	Art Gallery
Mining (1)	Haul Truck Cycle Analysis\Blasting module	Tyler Faulkner	Cox	The Asylum
Mining (2)	Cement Block Model, Blending and Mine Plan	Brian Groff	Cox	Blue Lodge Room
Field (1)	SurvCE/SurvPC Stakeout	Derek Roche / Ila	French Quarter	Mardi Gras I
Field (2)	Adv. Surveying, Sets/Resections	Dean Goodman	French Quarter	Mardi Gras II
Survey	Don't Let Breaklines Break Your Heart – Surface Modeling	Jennifer DiBona	Chandler's Too	Carlson Conference Room
Survey	Advance Field to Finish with Tree Tables and 3D pipes	Scott Griffin	First National Bank Bldg	
Civil (2)	Road Rehabilitation	Mark Long	Museum Center	Wood & Clarke Meeting Room
Civil (2)	P3D Hydrology Culvert Design	Bruce Carlson	Museum Center	Education Work Room

Elective	Point Clouds Overview	Jim reinbold	Museum Center	Changing Exhibits Gallery
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Friday

Session 5 – 8:30am – 10:00am

<u>Track</u>	<u>Class</u>	<u>Instructor</u>		
Takeoff	Takeoff for Roads/Sections	Aaron Newman	Cox	Kinder Music Room
Construction Data Prep	Creating Geo-referenced Data Sets from PDF	Todd Carlson	Cox	Art Gallery
Mining (1)	RoadNET for Mining Haul Roads and Benches	Steve Richards	Cox	The Asylum
Mining (2)	Dragline Range Diagrams	Grant Wenker	Cox	Blue Lodge Room
Field (1)	GIS for Surveyors using SurvPC & Esri	Bruce Carlson	French Quarter	Mardi Gras I
Field (2)	Meet the SurvCE Programmers - Questions & Suggestions	Programmers	French Quarter	Mardi Gras II
Survey	The Good, The Bad, The Ugly of Field-to-Finish	Scott Griffin	Chandler's Too	Education Work Room
Survey	Survey Legal Discription, Deed Reader, Enter Dead and New Cut Sheets	Jim Reinbold	Museum Center	Wood & Clarke Meeting Room
Civil (1)	Vehicle Path Tracking and other Tools in Civil That you may not know about	Ladd Nelson	Museum Center	Changing Exhibits Gallery
Civil (2)	Intro to Carlson SiteNet for Cost Estimate	Gary Rosen	Museum Center	Carlson Conference Room
GIS	GIS360 Android	Nuno Fernandes	First National Bank Bldg	

Session 6 – 10:30am to 12:00pm

<u>Track</u>	<u>Class</u>	<u>Instructor</u>		
Takeoff	Takeoff Earthworks Advanced	Aaron Newman	French Quarter	Mardi Gras I
Construction Data Prep	3D Utilities for a Project	Ladd Nelson	French Quarter	Mardi Gras II
Mining (1)	Elogger & Core Images	Steve Richards	Cox	The Asylum
Mining (2)	Natural Regrade	Nicholas Bugosh	Cox	Blue Lodge Room
Field (1)	New Features in SurvCE/SurvPC Version 5	Sarah W/John G	Cox	Kinder Music Room

Field (2)	Carlson Field New Features	Dave Carlson	Cox	Art Gallery
Survey	Staking for Parking Lots, Buildings, and Roads in Survey	Tom Peak	Museum Center	Education Work Room
Survey	Annotation and Table Features	Nuno Fernandes	Chandler's Too	
Civil (1)	Design divided roads by using different template.	Mark Long	Museum Center	Wood & Clarke Meeting Room
Civil (2)	P3D Hydrology Culvert Design	Bruce Carlson	Museum Center	Changing Exhibits Gallery
Elective	Intro to CAD	Gary Rosen	First National Bank Bldg	Carlson Conference Room

Session 7– 1:30pm to 3:00pm

Track	Class	Instructor		
Takeoff	Drillholes & Trenches	Todd Carlson	Cox	Kinder Music Room
Construction Data Prep	Preparing a job for Stakeout	Tom Peak	Cox	Art Gallery
Mining (1)	Datamate solution for stockpiles	Ilan Solel	Cox	The Asylum
Mining (2)	Advanced Surface Timing	Grant Wenker	Cox	Blue Lodge Room
Field (1)	In the Field showing how Field to Finish works Part 1	Derek Roche	French Quarter	Mardi Gras I
Field (2)	Transferring files and linework to and from the field	John Gerber	French Quarter	Mardi Gras II
Survey	Carlson GIS for Surveyors – Shapefiles, Images, Field to Finish and More	Jennifer DiBona	Chandler's Too	
Survey	How to use LotNET for Surveyors	Scott Griffin	Museum Center	Wood & Clarke Meeting Room
Civil (1)	Cross-Section, Plan & Profile Sheets for Roads and Sewers	Mark Long	Museum Center	Education Work Room
Civil (2)	P3D Culvert Design	Bruce Carlson/ N	Museum Center	Changing Exhibits Gallery
Elective	AgStar - Design Field.	Jim Reinbold	First National Bank Bldg	Carlson Conference Room

Session 8 – 3:30 to 5:00pm

<u>Track</u>	<u>Class</u>	<u>Instructor</u>		
Takeoff	Material Quantities and reports	Todd Carlson	Cox	Kinder Music Room
Construction Data Prep	Data Prep for Machine Control	Aaron Newman	Cox	Art Gallery
Mining (1)	Advanced UG Timing\New Surface Simulation/Representation for Carlson Mining	Steve Richards	Cox	The Asylum
Mining (2)	Design Bench Pit and Fill Surfaces	Grant Wenker	Cox	Blue Lodge Room
Field (1)	SurvCE/SurvPC Advanced Roads	Bruce Carlson	French Quarter	Mardi Gras I
Field (2)	How Field to Finish works Part 2	Derek Roche	French Quarter	Mardi Gras II
Survey	Surface, Profiles & Volumes	Scott Griffin	Chandler's Too	
Survey	Meet the Desktop Programmers - Questions & Answers	Dave Carlson	Museum Center	Wood & Clarke Meeting Room
Civil (1)	Carlson NEW 3D Rendering "Terravision"	Tyler Faulkner	Museum Center	Changing Exhibits Gallery
Civil (2)	Advance Hydrology	Mark Long	Museum Center	Education Work Room
Elective	Importing Images into CAD and more!	Ladd Nelson	First National Bank Bldg	Carlson Conference Room

Session 9 - 5:00pm to 5:30pm

Mining (1)	New Surface Simulation/Representation for Carlson Mining	Tyler Parke	Cox	The Asylum
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