

Carlson Takeoff – 3D Data Prep

Duration: 3 Days
Cost: \$1,895/Person

*This class is designed
specifically for 3D Modelers*



Curriculum and Course Objectives •

In this 3-day session you will learn and perform exercises on:

- Turn the Engineer's "Pretty Picture" into Constructible Data
- Cleanup, Settings/Configs
- Data Transfer to 3D/GPS Machine Control
- Advanced point location
- Field to Finish Surveying
- As-builts & Stakeouts
- QA/QC-Areas, Inverses, etc.
- Annotation and drafting functions
- Generating 3D surfaces, TINs/Grids
- *Intro to Data Prep*
- Generate Centerlines/ROW's
- Create EG and PGL Profiles
- Develop X-SECS & templates
- Trenching, Soil Borings
- Create building pads, ponds
- Earthworks takeoffs, reports

Methodology •

Harken-Reidar, Member of Carlson College, developed the "T.I.E. Training™" methodology used in our training, which stands for **T**ools, **I**magination and **E**xpertise. We have found that successful CADD training is comprised of knowing where the **Tools** of the software are located, and how to use them; engaging your **Imagination** to apply those tools to a task; and having the professional **Expertise** required in order to optimize the tools as they were intended.

Environment •

Class size is limited, which allows for personal one-on-one attention. Each attendee is provided with a training PC in the session to enhance the comprehensive hands-on learning experience for no extra fee. Classes generally run M-F, from 9:00AM – 4:30PM with a lunch hour and two breaks. Harken-Reidar is an **IACET Authorized Training Facility** and strives for a learning environment conducive for training. Certificates and CEU's are awarded at course completion.

Instructors •

Harken-Reidar instructors are experienced industry practitioners and experts in the use of the software for surveying, engineering, mining and construction and are always open to questions on related topics.

Registration •

Contact the Harken-Reidar business office at 540-635-6742 or by e-mail at: info@harken-reidar.com. Be sure to provide all contact information. We accept all major credit cards and payment is due prior to class. Terms and conditions are provided in the registration form.

Customized, On-Site Training

We offer these classes to the staff of individual organizations. A Mobile Classroom is available for a separate fee. The systems are configured with current software, data sets and service packs. For details – 540-635-6742

Class curriculum is often customized specifically to the client's needs and address on-going or upcoming project issues. We sometimes refer to this as "Just-In-Time" training.

*Custom training fee does not include travel time or expenses which are extra.



*"Tell me and I'll forget. Show me and I may not
remember. Involve me and I'll understand."*

Old Native American proverb