

Presented by

Productivity Products and Services

Carlson Takeoff 2009 - Estimating



Methodology

Carlson College, Inc. has developed the "T.I.E. Training™" methodology, which stands for **Tools, Imagination and Expertise**. 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 one-on-one personal attention. Each attendee has his or her own workstation for a comprehensive hands-on learning experience. Carlson College is an **IACET Authorized Training Facility**. This training meets CEU requirements, Certificates and CEU's are awarded at completion of the course.

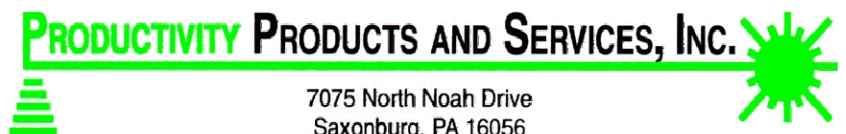
Instructors

The Instructor for this class is Ken Crawford, PE. Carlson College's instructors are industry practitioners and experts in the use of the software for surveying, engineering and construction. The Training staff is headed up by Harry O. Ward, PE, a nationally known columnist and George Mason University professor, licensed civil engineer and licensed contractor.

Registration

Contact Productivity Products and Services at (800)443-6780, by fax 724-352-5450, or by e-mail at: contact@ppsincweb.com. Be sure to leave All contact information: name, telephone, e-mail, cell phone. We accept all major credit cards.

Location



7075 North Noah Drive
Saxonburg, PA 16056



Fundamentals

Duration: 1 Day

Cost: \$ 500/Person

Dates: February 23, 2009

9:00 AM - 4:30 PM

Curriculum

- Get Control of the Engineer's Drawing
- Drawing Cleanup, Settings & Product Configurations
- Organize the Data
- Quantities Preparation
- Bid/Estimate Generation
- Prepare Subgrade Quantities
- Assign Costs to Materials
- Estimating Areas & Lengths
- Creating Basic 3D Surfaces, TINS/ Grids
- Brief Intro to Data Prep
- Basic Centerlines/ROWS
- Basic EG and PGL Profiles
- Trenching, Soil Borings Intro
- Create Building Pads, Ponds
- Earthworks Takeoffs
- Generate Reports