

Civil 3D Level 1 Class - \$395

Washington Engineering Institute

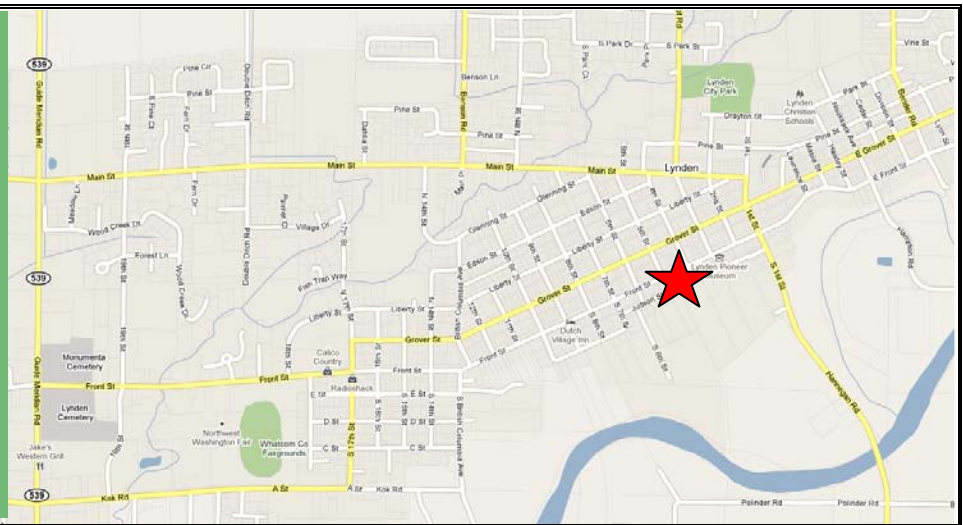


Class Description:

This class is a practical hands-on experience. Students will work through a basic road design project from beginning to end using Civil 3D, showing many different methods of using Civil 3D to accomplish certain tasks and solve problems along the way. The class covers the basics of basemap preparation, preliminary layout, survey plan, surfaces generation, horizontal alignments, profiles, corridor modeling, and grading.

Location:

**Reichhardt and Ebe Engineering
Training Room
423 Front Street
Lynden, WA 98264**



Dates and Times:

The class is scheduled to run on **Tuesday and Thursday evenings at 6:00-9:00 PM from March 2nd to April 1st**. This provides a total of (8) evening classes to cover the course material. Please see the Class Calendar on the last page.

Cost, Capacity, and Registration:

The class is limited to (12) students and costs \$395. Please email the WEI School Coordinator at admin@weiedu.org for a class registration form. Please send your completed registration form and check payable to Washington Engineering Institute to the registration office:

**Washington Engineering Institute
Registration Office
PO Box 483
Custer WA 98240**

Washington Engineering Institute, PO Box 483, Custer WA 98240
admin@weiedu.org
(360) 739-1428

Class Materials Provided:

- **Hardware:** The school provides a 17" screen laptop for your use during class time.
- **Software:** The school provides Licensed Civil 3D software for your use during class and lab time.
- **Lecture Notes:** Various lecture handouts are provided by the school as needed.

Class Materials Not Provided:

- **USB Drive:** Please purchase a 4GB or larger USB drive prior to the first class.

Instructor

Dave C. Bren, PE, MSCE

Experience: 15 years of experience in the public and private civil engineering industry. Most recent experience was as the Assistant Public Works Director for the City of Blaine. Mr. Bren established and taught the Civil Engineering Technology program at Bellingham Technical College from 1997-2006 while continuing to consult in the industry. Mr. Bren continues to teach evening courses at Bellingham Technical College, including Civil 3D.

Registration: Professional Engineer, State of Washington

Education: Master of Science in Civil Engineering, University of Washington
Bachelor of Science in Civil Engineering, University of Washington

Format:

Class Structure: Evenings will typically run in one-hour blocks as follows:

6:00 PM – Class setup and first hour
6:50 PM – Break
7:00 PM – Class
7:50 PM – Break
8:00 PM – Class last hour

Final Exam, Grades, and Course Certificate:

Most students will be auditing the course (AU) and will not receive a class grade. Students that are taking the course for a transcript grade must take a final exam. Grades will be determined by attendance (50%) and a final exam (50%). Regardless of transcript grading, students attending all (8) classes will be awarded a Civil 3D L1 certificate.

March 2010 – Civil 3D Level 1 – ENGR 211

Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
1		2	Interface	3		4	Fundamentals	5		6		7	
		6:00-9:00 PM Orientation Interface				6:00-9:00 PM Basic Surfaces Basic Horizontal Alignments ASCII Stakeout File							
8		9	Points	10		11		12		13		14	
		6:00-9:00 PM Point Groups Basic Parcels Basic Labeling											
15		16	Surfaces	17	Alignments/Parcels	18		19		20		21	
		6:00-9:00 PM Breaklines Surfaces Contours		6:00-9:00 PM Horizontal Alignments Parcels Parcel Labeling									
22		23	Profiles	24		25		26		27		28	
		6:00-9:00 PM EG Profiles FG Profiles											
29		30	Corridors	31		1	Grading	2		3		4	
		6:00-9:00 PM Basic Assemblies Basic Corridors & Sections Road Surfaces				6:00-9:00 PM Grading a Basic Pond Grading Groups Volume Surface Calculations							



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2010 Program or Class Registration Form

Name	
Address	
Phone	
Email	

Class Requested	ENGR 211 – Civil 3D Level 1
Class Month / Date	March 2010

WAC 490-105-160 – State Licensed School Reporting Requirements:

SID / SSN		
Date of Birth		
Gender		
Disability	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Race	<input type="checkbox"/> American Indian or Alaska Native <input type="checkbox"/> Asian <input type="checkbox"/> Black/African American <input type="checkbox"/> Hawaiian Native or Pacific Islander <input type="checkbox"/> Hispanic <input type="checkbox"/> White/Caucasian <input type="checkbox"/> Multi-racial <input type="checkbox"/> Other	
Prior Education	<input type="checkbox"/> Less than high school graduation <input type="checkbox"/> GED <input type="checkbox"/> High School Graduate <input type="checkbox"/> Post H.S., no degree or certificate <input type="checkbox"/> Associate Degree <input type="checkbox"/> Bachelor Degree <input type="checkbox"/> Master or Doctorate Degree	GED Year _____ Graduation Year _____ Graduation Year _____ Graduation Year _____ Graduation Year _____
Name of Last School Attended		

Applicant Signature