

Civil 3D Advanced: Grading Workflow is designed for Civil Engineers and Designers who want to learn the workflow involved with grading in Civil 3D. Students will learn how to build and work with Surface, Feature Lines and Sites, and apply Grading to Feature Lines to maximize success using Civil 3D grading tools. Students will also learn how to create and edit Alignments and Profiles to utilize Corridor objects for Grading. This course covers a lot of data involving beginning a grading project, drawing and working with Feature Lines and Corridors, to grading and surface analysis tools.

Prerequisite: Completed Civil 3D Fundamentals course.

Surfaces Workflow

About Surfaces, Data Sources for Surfaces, Building a Quality Surface, Editing Surface Data, Surface Annotation and Reporting, Exporting Surface Data.

Civil 3D Sites

Understanding Sites, Working with Sites, Site Interaction and Site Tools

Feature Lines

About Feature Lines, Creating Feature Lines, Editing Feature Line Geometry, Editing Feature Line Elevations and Grades

Feature Line Grading

About Grading with Civil 3D, Grading Styles and Settings, Grading Criteria, Sites and Grading Groups, Creating a Grading Object, Editing Grading Objects, Grading Surfaces

Corridor Grading

About Alignments and Profiles, Creating and Editing Alignments, Creating and Editing Profiles, Creating Assemblies, Creating Corridors, Corridor Surfaces, Exporting Corridor Data

Analyze and Take-Off

Grading Surface Analyzation Tools, Grading Volume Tools, Volume Reporting Tools, Surface Finalization

What students are saying about our courses:

"I loved how the instructor focused the materials to our needs and uses. Great course!"
- *Matthew Crockett,*
Aquaterra Environmental Solutions

"The instructor was very knowledgeable and ensured everyone grasped the concepts before moving on. He answered all questions even if they were outside the scope of the class. Great Job!"
- *Vern Howard,*
Honeywell FM&T

* The suggested course duration is a guideline. Course topics and timeline may be modified by the Instructor based upon the knowledge and skill level of the course participants.