InRoads 205 Course Details

Course Title

CAE: INROADS - 205 Construction Processes

LMS Course Code

WSDOT_DH2

Hours

16

Course Type

Computer Aided Engineering

Discipline(s)

Construction, Design

Course Description

This two day course provides an overview to the construction process using InRoads design software. The hands-on training allows students to set up a construction project, validate design data, edit surfaces, create cross sections and update the roadway corridor.

Learning Objectives

Upon completion of this course participants will be able to:

1. Apply WSDOT CAE resources and standards to a construction project.
2. Verify design data and create construction geometry.
3. Verify a design surface and create a construction surface.
4. Examine a surface and perform spot checks with the data.
5. Generate and recalculate earthwork volumes.
6. Develop stakeout data and reports.
7. Generate clearing and grubbing and over-excavation data.
8. Apply a change order example scenario.
9. Create electronic asbuilts.

Pre Reqs

Entry Level MicroStation, or self-study MicroStation e-learning; InRoads 201 Production Level Design course (CRZ), WSDOT Plans Reading course, WSDOT Basic Surveying course.

Course Comment

Contact Person

Keith Anderson

Email: Anderka@wsdot.wa.gov