

**Road**

OpenRoads Designer CONNECT Edition Training (Road) 4 days (6-hrs)	
QuickStart - Navigating the Interface QuickStart for Terrain Display QuickStart for Geometry - Road QuickStart for Corridor Modeling - Road	6
Beyond Centerline Geometry Using and Editing Templates Creating and Manipulating the Corridor	6
Using and Defining Superelevation Quantities and Earthwork Drawing Production - Creating Cross Section Sheets "Basic Overview" Drawing Production - Creating Plan and Profile Sheets "Basic Overview"	6
Using Civil Cells "Basic Overview" Intersection Design - Horizontal and Vertical Geometry Intersection Design - 3D Model Detailing	6

**Survey**

OpenRoads Designer CONNECT Edition – Survey Training for Users 3 days (three, 6-hrs)	
QuickStart for Terrain Display Importing and Reviewing Survey Data Editing Link Code Survey Features Using and Editing Terrain Models	6
Creating and Editing Centerline Geometry Beyond Centerline Geometry Right of Way Fundamentals	6
Ask the Instructor: Examine and review of the VDOT environment Raw data import and review Q&A session Further training (as needed)	6

**Drainage**

OpenRoads Designer CONNECT Edition – Drainage Training 3 days (three, 6 hrs)	
Navigating the Interface QuickStart for Geometry - Road Using and Editing Terrain Models Navigating Drainage and Utilities	6
Introduction to Drainage Layout and Hydraulics Designing Inlets to Collect Runoff	6
Designing Pipes to Convey Runoff Creating Drainage Reports (with a demo of a VDOT flex table) Drainage Plans, Profiles and Cross Sections (with a demo of the create HEC-RAS Data Tool)	6

**Utilities**

OpenRoads Designer CONNECT Edition – Utilities Training 2 days (two, 5 hrs)	
QuickStart - Navigating the Interface QuickStart for Geometry - Road QuickStart for Terrain Display	5
QuickStart - Evaluating Subsurface Utilities Detecting and Managing Utility Conflicts Creating Utilities from Graphics	5

**Navigating VDOT Workspace / Plans Production**

OpenRoads Designer - Navigating the VDOT Workspace / Plans Production 1 day (6-hrs)	
Navigating the VDOT workspace Feature Definitions, Element Templates, Annotation Drawing Production - Creating Plan and Profile Sheets Drawing Production - Creating Cross Section Sheets	6

**MicroStation (Existing Users)**

QuickStart for MicroStation CONNECT for Existing Users 1 day (6-hrs)	
The Welcome Page WorkSpaces and WorkSets and Branding a Design File Working with the Ribbon Advanced Features of the Ribbon Making Access to Tools Even Easier Implementing Property Driven Annotation Using Labels to Annotate Annotative Hatching and Patterning Changing the Display of Elements with Display Rules Create a Display Rule Based on Area Sheet Creation and Indexing Creating a Named Boundary and Placing the Content on a New Sheet Printing Shets in a Sheet Index Quantity Data Using Item Types Adding Item Types and Reviewing the Properties of an Element Placing a Cell with Item Types Attached using an Element Template Creating, Formatting and Using Reports Creating Reports Based Upon Graphical Elements (discussion) Place and Format a Table Place a Report as a Table	6

**MicroStation (New Users)**

MicroStation CONNECT Basics for New Users 4 days (four, 6-hrs)	
Using General Tools Defining Element Attributes Controlling the Display of Designs	6
Using AccuDraw and AccuSnap Creating Drawing Elements Selecting Elements	6
Manipulating Elements Modifying Elements Working with Cells	6
Annotating Designs Composing Designs and Drawings Printing and Publishing	6