Course Description

This one-day instructor-led course will provide advanced knowledge of Power Query. Power Query is an intuitive tool for data discovery, transformation and enrichment. It allows you to quickly and easily combine data from one or more structured or semi-structured sources (Excel, CSV, relational databases, SAP, online services, etc.) in a repeatable manner. This course will provide in-depth working knowledge of Power Query including practical solutions to common scenarios.

Duration: Instructor-led, group-paced, classroom-delivery learning model with structured hands on activities – 7 hours (1 day)

Course Objectives: Learn to perform advanced data manipulation using Microsoft Excel's Power Query toolset.

Upon successful completion of this course, students will be able to:

- Perform conditional logic, error handling and other advanced functions
- Edit query scripts using the M programming language
- Create re-usable data extraction and cleansing routines

Prerequisites: Microsoft Power Query for Excel - Basics

Course Outline	
Importing Data • Importing Web Data **Manipulating Data** • Applying Grouping • Creating Summary Statistics • Transposing and Unpivoting Complex Data • Transposing Stacked Tables • Automating Refreshing **Formulas and Logic** • Creating Power Query Formulas • Creating Conditional Logic	**Power Query Objects** • Tables and Lists • Records **Advanced Functionality** • Understanding the M Language • Referring to Steps or Rows • Referring to the Previous Row Dynamically • Creating Custom Functions • Calling a Custom Function • Debugging Custom Functions • Advanced Conditional Logic (OR & AND Functions) • Dynamic Parameter Tables • Dynamic Calendar Tables • Organizing Queries