FME Desktop Basic Training Course

**Course Outline**

Overview

Learn from the experts in how to use the essential components and capabilities in FME through this course, which includes extensive hands-on, problem-solving exercises.

Learning Objectives

* Build both simple and complex translations using FME Workbench
* Visualize and inspect data using the FME Data Inspector
* Apply best practices to large workspaces
* Manipulate data geometry and attributes with transformers
* Work with multiple datasets in a single workspace
* Create low-maintenance, reusable workspaces

Course Outline

**Welcome to Safe Software**

Course Overview

FME Version and Sample Data

**Data Translation Basics**

What is FME?

FME Desktop Components

Introduction to FME Workbench

Introduction to Data Inspection

Introduction to the FME Data Inspector

Using the FME Data Inspector

Translation Previews

**Data Transformation**

What is Data Transformation?

Structural Transformation

Transformation Using Transformers

Content Transformation

Transformers used in Series

Transformers used in Parallel

Group-By Processing

Data Inspection and FME Workbench

Coordinate System Transformation

**Readers and Writers**

Key Components

Workspaces

Readers and Writers

Controlling Readers and Writers

Dataset Parameters

Feature Types (Layers, Tables, and Classes)

Feature Type Parameters

Managing Reader Datasets

Handling Unexpected Input

**Practical Transformer Use**

Finding Transformers

Most Valuable Transformers

Managing Attributes

Conditional Filtering

Data Joins

Best Practice

What is Best Practice?

Workspace Style

Workbench Methodology and Prototyping

Format and Transformer Best Practices

Logging and Debugging

**Exercises:**

Workspace Creation and Quick Translation

Data Visualization and Inspection

Schema Editing and Schema Mapping

Data Restructuring, Data Transformation and Data Reprojection

Translation Debugging Techniques

...plus many more

Learn More

Visit [www.safe.com/training](http://www.safe.com/training)to locate and register for an upcoming training class in your region.

For questions or to inquire about a private onsite class, please contact us at 604-501-9985, extension 287 or e-mail [training@safe.com](mailto:training@safe.com).