FME Desktop Basic Training Course – Full Course

**Course Outline**

Overview

Learn from the experts in how to use the essential components and capabilities in FME through this two-day 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

Introductions

**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

Coordinate System Transformation

Best Practice

What is Best Practice?

Workspace Style

Workbench Methodology

Debugging Best Practice

Project Based Use of FME

**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

**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/trainingt) 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).