



FME Form Basic 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. No previous knowledge of FME is required for this course.

Sweco will ensure that you get access to the required software and course materials.

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

FME Form courses at Sweco will always be held by a certified FME trainer. This to ensure the quality of the course.

Whenever possible we try to keep our courses open to your input. If you have certain topics you are interested in we will always try to get them into the course to ensure you get all the information you need and the course fits you!

Course Outline:

Welcome to the FME course with Sweco

- Introductions.
- Your Training Machine.
- Course Overview.
- Wish List.

Data Translation Basics

- FME Products.
- What is FME?
- FME Form Components.
- Introduction to FME Workbench.
- Introduction to Data Inspection.

Translation & Transformation

- Data Transformations.
- Schemas and Schema Mapping.
- Transformation with transformers.
- Transformers used in Series.
- Transformers used in Parallel.
- Group-By Processing.
- Coordinate System Transformation.

Read and Write

- Key Components.
- Workspaces.
- Readers.
- Reader Parameters.
- Reader Featuretypes (Layers, Tables, and Classes).
- Writers.
- Writer parameters.
- Writer Featuretypes (Layers, Tables, and Classes).
- FeatureReaders and FeatureWriters.
- Tips and Tricks.

Best Practice and Practical Transformer Use

- Transformers.
- Most Valuable Transformers.
- Integration.
- Most Valuable Categories.
- Debugging.
- Feature Count

- Performance Tuning.
- Workspace design.
- Workspace Compare.

Exercises:

- Your first translation.
- Structural Transformations
- Transformations in parallel
- Coordinate systems
- Reading Demographic data
- ...plus many more

Learn More:

Visit [Dataflow.center](https://dataflowcenter.com) 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 e-mail fmetraining@sweco.se.