

## Integration Essentials with Esri & FME Training Course Outline

### Overview

Learn how to connect your FME workflows with Esri systems, even if you're not an Esri expert. This practical session introduces Esri formats, feature classes and services through an FME lens. You'll gain hands-on experience integrating, transforming, and automating data between Esri and other platforms.

### Course Outcomes

- **Identify and Connect:** Work with Esri-compatible Readers/Writers (Geodatabase, Shapefiles, Feature Services)
- **Publish and Sync:** Push data directly to ArcGIS Online or Enterprise and build automated sync workflows
- **Schema and Projections:** Manage complex schema mapping and coordinate systems for clean, accurate data exchange
- **Transform for Interoperability:** Prepare spatial data for use across both Esri and non-Esri platforms

### Course Schedule

- **Module 1: Foundations of Integration**
  - Overview of the FME-Esri ecosystem.
  - Navigating formats, connectors, and data models.
- **Module 2: Reading & Writing Esri Data**
  - Hands-on with File/SDE Geodatabases.
  - Connecting to ArcGIS Online (AGOL) and Portal Feature Services.
- **Module 3: Advanced Transformation**
  - Managing geometry and attributes through an "FME lens."
  - Using Esri Template Geodatabases (.gdb or XML Workspace docs) to preserve schema details like domains and subtypes.
- **Module 4: Automation & Best Practices**
  - Building event-driven workflows that reduce manual intervention.
  - Optimization tips for large datasets and troubleshooting common connectivity errors.

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