# destiny
**Business & Technology Consulting** SM
**Education Solutions**

## Data Warehousing Theory and Concepts

**Course Length**:  1 day    **CEUs** 0.6
**Format:**  Hands on Training

**AUDIENCE**

This course is designed to teach IT Professionals, Managers and Developers the concepts of data warehousing using SAS®. Discussion of data available from OLTP systems, data reorganization and transformation, along with metadata, load strategies and report creation are discussed.

**BENEFITS**

Students will be able to:
- Understand how SAS Software can be used for data warehousing
- Understand Rapid Warehouse Methodology

**PREREQUISITES**

None

**COURSE TOPICS**

Introduction to Warehousing
- Designing the data warehouse
- Creating the Model
- Methodology and industry standards
- Star Schema
- Snowflake Schema
- Normalization

On Line Transaction Processes
- Pulling Data From OLTP systems
- Using SAS/ACCESS® Software to read RDBMs
- Reading VSAM Files

Restructuring Data
- Data validation and scrubbing
- Organizing Data into Subject Areas
- Denormalizing data
- Standardizing Dates and Times
- Summarizing data
- Data Marts

Updating and Loading the Warehouse
- Loading the data
- Scheduling issues
- Where to store the data

Working with Metadata
- Defining Metadata
- The data dictionary

Getting the Data Out
- Creating reports
- Creating queries
- Online applications