

# Client Server Processing Using SAS/CONNECT®, SAS/SHARE® and SAS/ACCESS® Software

**Duration:** 2.0 days

**CEUs:** 1.2

## AUDIENCE

This course is for SAS System users who need to access and process remote data.

## BENEFITS

This course is designed to teach users how to connect to multiple platforms supporting SAS, move data between them and process data on the most appropriate system. Concurrent use of data and access to data not stored in SAS is discussed.

Students will learn to:

- Set up a remote connection
- Process data on the most appropriate operating system
- Remotely submit programs
- Get local access to remote SAS and DBMS data

## PREREQUISITES

Programming I: SAS Essentials course, basic knowledge of your operating system environments and ability to:

- Run SAS programs
- Use the Display Manager interface
- Perform simple data manipulation
- Understand the basic commands available on your operating systems

## COURSE TOPICS

### **Overview of Client/Server Computing**

### **Establishing a SAS/CONNECT Session**

### **Remote Computing**

- Remote submission
- Connecting to multiple remote systems

### **Transferring Data**

- The UPLOAD procedure
- The DOWNLOAD procedure

### **Using SAS/ACCESS Software to Access External Data**

- The SQL Pass Through Facility
- Access and view descriptors

### **Using SAS/SHARE Software**

- Server libraries
- Concurrent access

### **Remote Library Services**

### **Client/Server in an SCL Application**

### **CEDA – Cross Environment Data Access**

### **Asynchronous vs. Synchronous Processing**

Software Used: Base SAS, SAS/CONNECT®, SAS/SHARE® and SAS/ACCESS®