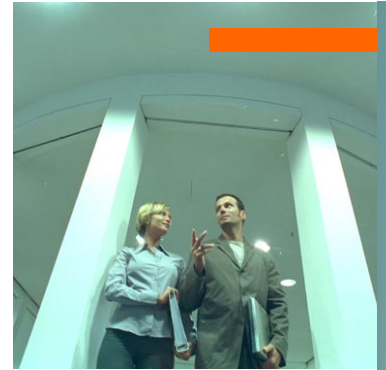


# SIEMENS

## Siemens Technical Training Special Event Announcement



Siemens in partnership with WESCO's Brown Wholesale Electric Company Division is pleased to announce a special event technical training course hosted at Brown Wholesale. This special event training course is real "hands-on" skill building, lead by Siemens professional instructors and conducted with typical Siemens high quality S7 Simulation Systems. Training is always one of your best returns on investment. Register now and save money by attending this local training event.

**Title:** S7 TIA Programming 1  
**Class Length:** 4.5 days **Class Price:** \$2150.00

**Start Date:** 03/07/2011 - Start Time: 8:30am End Time: 12:00 noon Friday

### Target Audience:

This course is for SIMATIC S7-300/400 PLC users who are involved with developing or sustaining automation systems and their application programs.

### Registration Options:

1. **Fax:** Scan and email the completed registration form to [afornaser@wesco.com](mailto:afornaser@wesco.com)
2. **Call:** Brown Wholesale Electric Co. **(602) 296-1716**

### Training Location:

**Brown Wholesale Electric Company**  
A Division of WESCO Distribution  
3425 East Van Buren Street  
Suite 140  
Phoenix, AZ 85008  
(602) 296-1716



**BROWN**  
WHOLESALE ELECTRIC  
A Division of WESCO Distribution, Inc.

### Sponsors:

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[richard.rosenfield@siemens.com](mailto:richard.rosenfield@siemens.com)



## Course Brief & Objectives:

This course is the first in a three part series which builds basic programming skills with Siemens STEP7 software. Students will learn S7 project management, program design and application development. This is an aggressively paced curriculum covering the S7 programming editor with Ladder, Function Block Diagram, and Statement List programming languages, and key software tools. This course takes a systems approach to the S7300/400 PLC's, plus basic connectivity and functionality of an HMI and PROFIBUS remote I/O.

Throughout this course students will build a STEP7 project from the beginning, learning proper program structure and documenting. Software diagnostic tools will be used for debugging both hardware and code. Various instruction sets, memory areas, program blocks, and libraries will be introduced to provide the student with solid concepts of structured programming.

The course format consists of instruction and hands-on exercises. The course uses a conveyor model for realistic demonstrations and exercises.

### **Upon completion of this course, the student shall be able to:**

- Complete a system hardware configuration.
- Build, document, test and troubleshoot a structured STEP7 program.
- Program using the multiple address types.
- Use symbolic addressing.
- Use core application instructions, functions and blocks.
- Program using the processed analog values.
- Generate data blocks.
- Establish connections to an HMI system.
- Integrate an HMI to Control the Automation system

## REGISTRATION FORM

Scan and Email To: [afornaser@wesco.com](mailto:afornaser@wesco.com)

**S7 TIA Programming 1:**

**March 7, 2010 Phoenix, AZ**

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

E-Mail: \_\_\_\_\_

Phone No: \_\_\_\_\_ Cell Phone: \_\_\_\_\_

Company Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

### Terms:

1. A purchase order or credit card is required to confirm registrations.
2. Seating is limited, first confirmed, first served
3. Brown Wholesale Electric Company reserves the right to cancel this course with insufficient registrations
4. Purchase orders and payments will be made to Brown Wholesale Electric Company
5. Siemens provides all course materials, equipment and instructor (2 students per workstation)
6. Dress is casual, light morning refreshments and lunch will be provided

