



The CEAS - Applied Science

Presents

**A Concentrated One-Week Short Course
Designed Specifically For
Practicing Engineers**

Programmable Logic Controllers Selection & Functions

**Professional Development endorsed -
3 ceu credits are offered and validated through
IEEE**

Course is designed to meet the needs of graduate engineers in:

**Electrical,
Electrical-mechanical,
Mechanical engineering positions,
Engineering Consulting,
Programmers of PLC Devices.**

Principal Topics covered include:

**Selection of the appropriate PLC device
Port Connections
Relay Logic
Ladder Logic Rules
Programming (using PLC Simulation Software)
Using Contacts, Relays and Switches
Timer and On-Delay Timer Contacts
Counter Relays and Contacts
Move, Math, Sequencer Functions
Cascade PLC Sequencer**

Course Format:

Morning lecture – 3 hours followed by Afternoon laboratory exercises – 3 hours

Your Instructor:

Max Rabiee, Ph.D., P.E.

Max has taught for 23 years and has been a member of the faculty of the CEAS - Applied Science for the last 5 years. His industrial experience includes work with Watkins and Associates Engineering Company, University of Kentucky (UK) Center for Robotics and Manufacturing, Project sponsored by Toyota Motor Manufacturing, Wright-Patterson Air Force Base, Sundstrand Aerospace Corporation, and The Tennessee Valley Authority. Max has authored five textbooks and is a Registered Professional Engineer in the State of Kentucky as well as a Senior Member of the Institute of Electrical and Electronic Engineering (IEEE) Society.

Dr. Rabiee has authored five texts and laboratory manuals in Programmable and Small Language Controllers since 2000 and is a frequent contributor to technical journals with more than 30 articles published. In addition to the projects listed above, Max has led grant projects utilizing PLC technology and equipment from National Instruments and Allen-Bradley.

You will need:

All required materials will be provided within the course registration fee.

Registration :

All expenses including ceu registration with IEEE and text are included within the course fee of \$1,495.00.

Payment may be made through check, credit card, or company purchase order. To reserve your seat in this dynamic, hands-on course, please complete the registration form below and either fax to 513-556-5328, call 513-556-6558, mail to: CEAS - Applied Science – ECET, University of Cincinnati, PO Box 210103, Cincinnati, Ohio 45221-0103 or log onto www.uc.edu/cas/PLC.

Register me for the Short Course

Name: _____

Address: _____

City: _____ **State:** _____ **Zip:** _____

Payment by: Check ___ Company Purchase Order # _____

Credit Card (Visa, Mastercard, Discover) _____

Card Number: _____ Exp. _____