

★ **HANDS-ON** ★ ★ **HANDS-ON** ★
ONE DAY OF INTENSIVE TRAINING

Industrial Electricity

**For Maintenance and Support
Personnel**

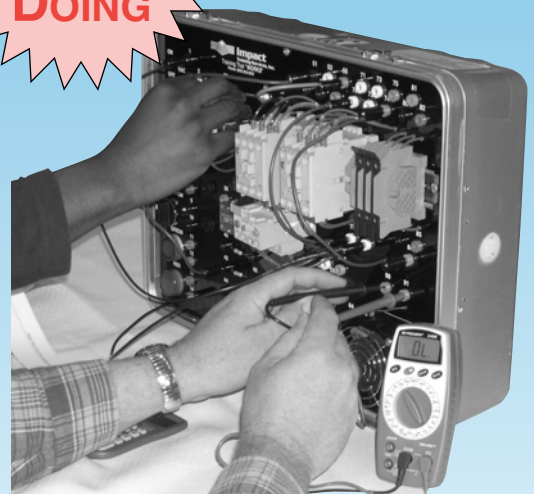


LABS ON:
TRANSFORMERS
MOTOR STARTERS
RELAYS
SWITCHES
OPEN CIRCUIT TESTING
AND MORE!

**LEARN
BY
DOING**

LEARN TO USE:

VOLTMETERS
AMMETERS
OHMMETERS
CONTINUITY TESTERS



THIS CLASS CAN BE TAUGHT AT YOUR FACILITY!!!



Impact
Training Services, Inc.

Training that "WORKS" SM

To Register:
800-858-6879
www.impactu.com

INDUSTRIAL ELECTRICITY

WHO WE ARE

As a company, we are dedicated to providing practical, working solutions to the problem areas of industry. We represent no manufacturers and will not subject you to any sales pitches. What we offer is quality technical training that works.

OUR INSTRUCTORS

Your instructor will be knowledgeable, enthusiastic, personable and effective. You evaluate them at the end of each class. We do not use contractors. All of our instructors are full time employees and have a vested interest in delivering a quality product. Each is well versed in the subjects they teach, has received extensive on-the-job training and follows the same course lesson plan so you receive identical information regardless of who teaches the class.

WHO SHOULD ATTEND

This is a basic class designed for maintenance and engineering personnel, operators, supervisors and managers. There are no prerequisites for this course.

CLASS TIMES

7:30 am	Registration
8:00 am	Morning Session Begins
11:30 - 12:20 pm	Lunch (on your own)
12:30 pm	Afternoon Session Begins
4:15 pm	Post Evaluation
4:30 pm	Class Ends

SUBSTITUTION OR CANCELLATION

Cancellations made SEVEN business days prior to seminar date will receive a full refund. Substitutions can be made at any time. Cancellations made less than SEVEN business days will be issued a credit memo good for two years. Registered attendees who fail to show up or have not given proper notice of cancellation will not receive refund or credit.

REPEAT CUSTOMERS

3M Touch Systems • ABB, Inc. • Abbott Diabetes Care • ABC Packaging • Advance Foods • AES • AGC Automotive • Airite • Allied Signal • Alcoa Power Generating • ARCO • AT&T • BOC Gases • BP Oil • Bridgestone Firestone • Cargill • Caterpillar • Champion International • Chevron • Chrysler Clorox • Coca-Cola • Cooper Tire & Rubber • Dana Corp • DART • Delphi Automotive • Dow Corning • Delco Remy America • Dupont • Eaton Corp ENSR • Exxon Mobil • FedEx • Ford • Frito Lay • GAF • General Electric • General Motors • Genesee Power Station • Georgia Pacific • Goodyear Hallmark Cards • Hewlett Packard • Honeywell • IBM • International Paper • Johnson Controls • Kellogg • Lucent Technologies • Mobil • Moody AFB Monsanto • Nabisco • Oxy USA • PackerWare • Parker Hannifin • Pepsi Cola • Perdue Farms • Pepperidge Farms • Phillip Morris • Playtex • Pillsbury Pratt & Whitney • Proctor & Gamble • PSEG • REA Contracting • Ralston Purina • RJ Reynolds • Rockwell Automation • Sara Lee • Shell Oil Sherwin Williams • Siemens • Smurfit Stone • Teksid Aluminum • Texas Instruments • Timken • Trammel Crow • TRW Tyson Foods • United Technologies • US Airforce • US Army Corp of Engr • US Filter • Walt Disney • Westinghouse • Wheelabrator • Xcel Energy


COURSE OBJECTIVES

Upon successful completion of this course, students will be able to:

- ▶ Perform resistance measurements using an ohmmeter
- ▶ Perform AC/DC voltage measurements using a voltmeter
- ▶ Perform AC/DC current measurements using an ammeter
- ▶ Use and explain the operation of motor starters/contactors/relays
- ▶ Use a voltmeter to troubleshoot a control circuit
- ▶ Understand basic 3-phase power distribution
You will be able to immediately apply what you have learned on the plant floor.



CONTINUING EDUCATION UNITS (CEUs)

Impact Training Services, Inc. is an authorized provider (#6284) of CEUs. We are accredited by  The International Association of Continuing Education and Training (IACET). Upon successful completion of the course objectives, participation in all learning activities and end-of-course evaluation students will be awarded 0.7 CEUs.

TRAINING AT YOUR FACILITY

Bring any of Impact Training Services, Inc. electrical training programs to your facility. For more information:

Call **(800) 858-6879** or Visit www.impactu.com

COURSES OFFERED:

- ▶ **Reading Electrical Drawings**
- ▶ **Electrical Safety**
- ▶ **Industrial Electricity**
- ▶ **Troubleshooting Electrical Controls**
- ▶ **Programmable Logic Controllers**
Maintenance and Troubleshooting
- ▶ **Programmable Logic Controllers** using Allen-Bradley SLC 500™ and RSLogix 500™ Software
- ▶ **Programmable Logic Controllers** using RSLogix 5000™ and ControlLogix™

* Not affiliated with Rockwell Automation

Register today!

INDUSTRIAL ELECTRICITY COURSE OUTLINE

**"HANDS-ON"
LABS**

TRULY "HANDS-ON" TRAINING!
Included in the labs, each person will wire real 120 Volt AC circuits and test them with a voltmeter

TOPICS

SAFETY ITEMS

BASICS OF POWER DISTRIBUTION

3-Phase and Single-Phase

TRANSFORMERS

HOW MOTORS WORK

MOTOR STARTERS

CONTACTORS

SOLENOIDS

RELAYS

SWITCHES

CIRCUIT BREAKERS

FUSES

BASIC DRAWINGS AND SYMBOLS

VOLTMETERS

OHMMETERS

AMMETERS

AC/DC MEASUREMENTS

BASIC CIRCUIT TESTING

BASIC CIRCUIT LAWS

LABS

DC CIRCUITS

Voltage

Current

Resistance

Series

Parallel

120 AC Circuits

Machine Control

Relays

Push Buttons

Selector Switches

Motor Starters

Solenoids

Testing Circuits

**BRING THIS CLASS TO
YOUR FACILITY**

★ HANDS-ON ★
 NOW IN OUR
14TH YEAR!

ONE DAY OF INTENSIVE "HANDS-ON" TRAINING
For Maintenance and Support Personnel

Industrial Electricity

Bring this one day class to YOUR facility!

*"Industrial Electricity -
 without all the math you'll never use"*

FOUR WAYS TO REGISTER:

Seminar Fee:
\$489
per person

- 1) **Internet** www.impactu.com
- 2) **Fax** 502-252-8060
- 3) **Phone** 800-858-6879
- 4) **Mail** this form to:
 Impact Training Services, Inc.
 PO Box 532, Bloomfield KY 40008



IACET Approved
CEUs available
CCR Registered
Cage Code 4C510

Register for any of our classes using this form.

Student Name	Class Date	Class Length (circle one)	
_____	_____	1-Day	3-Day
_____	_____	1-Day	3-Day
_____	_____	1-Day	3-Day
_____	_____	1-Day	3-Day

Company: _____
 Address: _____

 City: _____ State: _____ Zip: _____
 Phone: _____ Fax: _____
 Primary Contact: _____
 E-Mail: _____

Authorizing manager's name: _____

Check is enclosed for \$ _____
S. Dakota Companies add 4% Sales Tax

Make Checks Payable to:
Impact Training Services, Inc.

Company P.O. # _____

Attention: _____

Credit Card # _____

Name on Card _____

Type of Card _____ Exp. Date ____ / ____

VIP Code _____

Located on front of brochure beneath 2008 Locations

THANK YOU!

Visit Us At: **impactu.com**

Maintenance Courses We Offer:

- ▶ **Reading Electrical Drawings**
- ▶ **Programmable Logic Controllers**
Maintenance and Troubleshooting
- ▶ **Electrical Safety**
- ▶ **Programmable Logic Controllers** using
Allen-Bradley SLC 500™ and RSLogix 500™ Software
- ▶ **Industrial Electricity**
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RSLogix 5000™ and ControlLogix™
- ▶ **Troubleshooting Electrical Controls**

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