

LIMITED NEWS

AREA 1 LIMITED ENERGY JATC MA#1099

SERVING CLACKAMAS, CLATSOP, HOOD RIVER, MULTNOMAH, WASCO, WASHINGTON, TILLAMOOK AND YAMHILL COUNTIES IN OREGON
ISSUE: FALL 2011/WINTER 2012



UPCOMING EVENTS

MARK YOUR CALENDAR

SEPTEMBER 2011

SEPTEMBER 10
MPRS DUE

SEPTEMBER 12-16

LEA & LEB
APPLICATION OPENING

SEPTEMBER 19 - 22

FALL TERM BEGINS

SEPTEMBER 26

COMMITTEE MEETING

SEPTEMBER 28

APPLICANT
ORIENTATION & INTERVIEWS

OCTOBER 2011

OCTOBER 10

MPRS DUE

OCTOBER 17

COMMITTEE MEETING

NOVEMBER 2011

NOVEMBER 10

MPRS DUE

NOVEMBER 10

MANDATORY TRAINING
AGENT MEETING AT CCC

NOVEMBER 21

COMMITTEE MEETING

NOVEMBER 24 & 25

SCHOOL CLOSURE

NOVEMBER 28

LETT TRUST MEETING

DECEMBER 2011

DECEMBER 5

WINTER TERM 2012
SCHOOL LETTERS MAILED

DECEMBER 9

FALL TERM ENDS

DECEMBER 10

MPRS DUE

JANUARY 2012

JANUARY 2

WINTER TERM BEGINS

JANUARY 10

MPRS DUE

JANUARY 16

COMMITTEE & RE-RATE
MEETING

FOR MORE INFORMATION VISIT:

WWW.IECOREGON.ORG

PROGRAM OPENING ANNOUNCEMENT

LIMITED ENERGY CLASS A & CLASS B

MONDAY—FRIDAY

FROM 9:00AM TO 4:00PM

SEPTEMBER 12TH—16TH

MANDATORY TRADE ORIENTATION

WEDNESDAY, SEPTEMBER 28TH AT 3:00 PM

AT THE IEC OFFICE

INTERVIEWS TO FOLLOW

Applications are available online and at our office during the scheduled opening dates listed above only.

Website: www.iecoregon.org

IEC Office 8625 SW Cascade Ave, Suite 100

Beaverton, OR 97008 and on our

REFER FRIENDS, FAMILY MEMBERS, OR CO-WORKERS TO APPLY

MARK YOUR
CALENDAR
NOV. 10TH

MANDATORY TRAINING

AGENT MEETING

Attendance required for all registered training agents with or without apprentices.

DATE: THURSDAY, NOVEMBER 10, 2011

TIME: 6:00PM TO 8:00PM

8:00PM TO 8:30PM TOUR OF LAB

LOCATION: CLACKAMAS COMMUNITY COLLEGE

GREGORY FORUM

19600 MOLALLA AVE

OREGON CITY, OR 97045

DINNER WILL BE SERVED

MEETING TOPICS:

Training Lab Improvement

State License A & B Clarifications

CCB Clarifications

Indirect Supervision Card

Reciprocal Agreement Changes OR, WA & MT

Federal Guideline Changes

Invitation will be mailed out in October along with a form for you to return to us with questions you would like answered by any of the following speakers:

Construction Contractors Board

Building Codes Division

Oregon Bureau of Labor & Industries

Washington Labor & Industries

FALL TERM RELATED TRAINING

All school letters will be mailed out on August 31st which will include the following:

- * Assigned Class Information
- * Clackamas Community College Registration Form
- * Tuition Cost \$290
- * Text Book Information & Cost

NOTE: Books are **required** on the 1st night of class

FALL TERM
BEGINS
SEPT. 19-22

ATTENDANCE & PARTICIPATION

A portion of apprentices grades are determined by attendance and participation. Any student missing 3 days or more of class is subject to automatic removal, and will have to repeat the class.

The apprenticeship program also requires that any student who misses a day of class will need to make up those class seat time hours.

Class time can be credited for, but not limited to; applicable industry vendor training, dropping in on the same class at a later term, or other approved method by your instructor/coordinator.

If you have any questions please contact Eva Sizelove at 503-598-7789 or eva@iecoregon.org.

LIMITED ENERGY LICENSED TECHNICIANS

Are you needing a continuing education course to fulfill your Oregon or Washington electrical code change requirements?

SIGN UP TODAY!
AUG. 13 OR
SEPT. 17

IEC OF OREGON IS OFFERING A
2011 NEC LIMITED ENERGY
CODE CHANGE COURSE - (8CC)
COST: \$40

TO REGISTER GO TO WWW.IECOREGON.ORG

This course will be located under the Continuing Education Section.

ARE YOU A MEMBER OF IEC OREGON?

With the political and economic climate of today - you need to be a member of IEC now more than ever!

- Defending open shop electrical contractor
- Shared Worker Program
- Insurance Discounts
- Employee Recruitment
- Education Classes
- Many More Benefits

Visit us at www.iecoregon.com or contact Laurie Kendall at 503-726-5440 or laurie@iecoregon.com for more information.

DO YOU KNOW A
LICENSED JOURNEYMAN
LOOKING FOR WORK?

NO COST
TO APPLY

If so, have them go online to www.iecoregon.org to fill out a journeyman employee application that will be posted automatically to our secure website just for IEC contractor members to view.

OREGON STATE CONTACTS

Construction Contractors Board
700 Summer St. NE,
Suite 300
Salem, OR 97309-5052
Phone: 503-378-4621
www.oregon.gov/CCB

Building Codes Division
1535 Edgewater St. NW
Salem, OR 97304
Phone: 503-378-4133
www.cbs.state.or.us/bcd

Bureau of Labor & Industries
800 NE Oregon St.
Suite 1045
Portland, OR 97232
www.oregon.gov/BOLI

Apprenticeship & Training Division
Phone: 971-673-0760
Fax: 971-673-0768

Prevailing Wage / Wage & Hour Division
Phone: 971-673-0761
Fax: 971-673-0769

WASHINGTON STATE CONTACTS

Labor & Industries
7273 Linderson Way SW
Tumwater, WA 98501-5414
Phone: 360-902-5800
Fax: 360-902-5798
www.lni.wa.gov

Contractor Information
Phone: 1-800-647-0982
Fax: 360-902-5228

Electrical Certification / Licensing
Phone: 360-902-5269
Fax: 360-902-5812

Wage & Hour
Phone: 360-902-5316
Fax: 360-902-5300

Prevailing Wage
Phone: 360-902-5335
Fax: 360-902-5300

CONTACT US

Limited Energy JATC c/o IEC
8625 SW Cascade Ave. Suite 100
Beaverton, OR 97008
Phone 503-598-7789
Fax 503-598-1192
www.iecoregon.org

2011 LIMITED ENERGY APPRENTICESHIP GRADUATION



IEC Oregon recently announced the 2011 graduates of their Limited Energy Technician Apprenticeship Program. All 22 graduates have successfully completed the organizations two or three year training program and are now eligible to take their state licensing exam. Those graduating from the program include:

CLASS A LIMITED ENERGY TECHNICIANS

Scott Bateman	Nathan Newell
William Berggren	Dennis Richmond
Brian Bowlsby	Tony Shuell
Jordan Elliott	Keith St. Hilaire
Randall Fairbairn	Chris Taylor
Chas Ford	Klinton Walton
Chad Hoover	Alex Young
John Knepper	

CLASS B LIMITED ENERGY TECHNICIANS

Allen Brady	Jared Hayes
Jason Dietz	Jonah Rylander
Chas Ford	Samuel Rylander
Caleb Hammes	

INSTRUCTOR RECOGNITION

This year 6 instructors with the program were also recognized for their outstanding vision and dedicated service to improving the apprenticeship training.

They continue to bring technology and innovation back into the classroom learning environment.

VICTORIA FLAGG	GRANT RICHARDS
DAVE GILSON	LOU AMADORO
ANDREW SCHAFFER	MARIO GUIDONE

THANK YOU!!!

INSTRUCTOR OF THE YEAR AWARD

ANDREW SCHAFFER

Specialized Controls & Burglar Alarm/Access Controls
This year the graduates wanted to recognize Andrew Schaffer for his unparalleled talent, enthusiasm & commitment to teaching

Here are a few comments from the graduates :

- * "His teaching ability is amazing."
- * "He constantly changes his style to fit the students."
- * "He seems to always go above and beyond to make sure we understand."
- * "Good golly he is knowledgeable."

SPECIAL THANKS

TO ALL VOLUNTEERS CURRENTLY SERVING ON THE LIMITED ENERGY JATC COMMITTEE & LETT TRAINING TRUST

RECOGNITION OF SERVICE

Connie Hetterly with Clackamas Community College was recognized for her years of service to apprenticeship.

We wish her the best of luck with retirement.

2011-2012 SCHOLARSHIP WINNERS

These scholarships have been created to help support apprentices as they move through the apprenticeship program and to encourage them to continue working towards the Limited Energy Journeyman State License.

SCHOLARSHIP WINNER

1 Term of Tuition
Daniel Dawson

SCHOLARSHIP WINNER

1 Term of Tuition
Dustin Sherby

APPRENTICE OF THE YEAR AWARD

We are also pleased to announce that among the newly graduating apprentices, the following individual was selected as the 2011 Apprentice of the Year.

ALEX YOUNG

Alex maintained a 4.0 GPA throughout the Class A 3 year program. Alex was never late on any MPR's and received excellent feedback from his employers & instructors.

THANK YOU 2011 GRADUATION SPONSORS

YOUR GENEROUS CONTRIBUTIONS HELPED TO MAKE THIS GRADUATION A HUGE SUCCESS

BERGELECTRIC CORP.
CONVERGINT TECHNOLOGIES LLC
LIMITED ENERGY TRAINING TRUST
PLATT ELECTRIC
POINT MONITOR CORP.
PROCOM COMMUNICATIONS, INC.
TERA BYTE TECHNOLOGIES, INC.
WEST COAST BUSINESS COMMUNICATIONS
XTREME COMMUNICATIONS, INC.

IEC NATIONAL NEWS

The IEC Foundation announced their 2011 scholarship winners last week and one of our very own apprentices was chosen

CONGRATULATIONS!!

DAN DAWSON

PACIFIC ALARM SYSTEMS IN SEASIDE, OR

Dan will be receiving \$2000 to go towards tuition, books & tools.



CPR & First Aid Training Class



This American Heart Association Heartsaver Adult First Aid with CPR and AED course was developed on the basis of evidence-based guidelines. It is a modular course that includes essential information and training in the first-aid skills recommended by OSHA and provides the skills to effectively assess and maintain life from the critical minutes immediately following an emergency, until the arrival of emergency medical services personnel. The course provides a complete health and safety training solution for first aid, adult CPR, and AED.

UPCOMING CLASSES			
DATE	TIME	LOCATION	COST
<input type="checkbox"/> Tuesday, August 23, 2011	5:00pm—9:00pm	IEC Office 8625 SW Cascade Ave Suite 100 Beaverton, OR 97008	\$40 per person
<input type="checkbox"/> Tuesday, September 13, 2011	5:00pm—9:00pm		
<input type="checkbox"/> Saturday, October 8, 2011	9:00am—1:00pm		

AMERICAN HEART ASSOCIATION CERTIFICATION
IS GOOD FOR 2 YEARS

MEETS OSHA REQUIREMENTS

COURSE IS APPROVED
FOR THE LIMITED ENERGY APPRENTICESHIP PROGRAM

COURSE IS APPROVED
FOR THE INSIDE ELECTRICAL APPRENTICESHIP PROGRAM



CANCELLATION POLICY

Courses are non-refundable but may be rescheduled with a 72 hour notice.

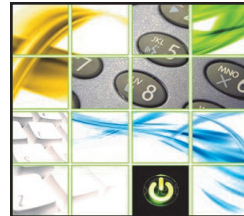
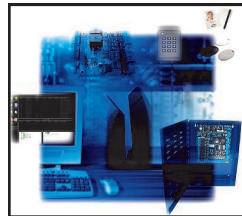
Phone#
503-598-7789
Fax#
503-598-1192



REGISTRATION INFORMATION	
NAME OF ATTENDEE(S)	
1.	2.
COMPANY NAME:	
ADDRESS:	CITY, STATE & ZIP:
PHONE NUMBER:	ALTERNATE NUMBER:
EMAIL ADDRESS (ONLY USED FOR RECEIPT):	
METHOD OF PAYMENT	
TOTAL AMOUNT DUE: _____	
<input type="checkbox"/> CASH <input type="checkbox"/> MONEY ORDER <i>(payable to IEC of Oregon)</i>	
<input type="checkbox"/> CREDIT CARD: VISA MASTERCARD DISCOVER	
Account #:	Exp. Date: CCV#:
Cardholder Address <i>(if different above)</i> :	
Cardholder Signature:	

PLEASE FAX COMPLETED REGISTRATION FORM TO 503-598-1192

LIMITED ENERGY APPRENTICESHIP TEACHING POSITION AVAILABLE!! GET PAID FOR YOUR KNOWLEDGE



Limited Energy JATC is seeking knowledgeable instructors & substitutes to help educate our apprentices in the Limited Energy Industry. These are paid part-time positions through Clackamas Community College.

INSTRUCTOR/SUBSTITUTE CRITERIA

- Journey level worker who is recognized within the Limited Energy industry as having the knowledge and expertise of the subject matter.
- Energetic & Enthusiastic about teaching others about limited energy trade
- Ability to be self motivated
- Ability to learn and implement new teaching methods
- Ability to keep up on new technology
- Ability to continue to update and improve course
- Ability to work with both JATC Committees & Clackamas Community College Staff
- Ability to meet State & Federal guidelines as changes occur.

SUBSTITUTE INSTRUCTORS NEEDED

BASIC TRADE CODE & SAFETY

DATA COMMUNICATIONS

SPECIALIZED CONTROLS

AMPLIFIED SYSTEMS

RESIDENTIAL TECHNOLOGIES

BURGLAR ALARM / ACCESS CONTROL

CCTV/INTEGRATED SYSTEMS

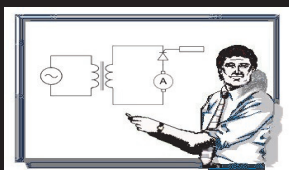
FIRE ALARM

CODES

TO SEE THE COURSE OBJECTIVES & LEARNING OUTCOMES FOR BOTH CLASSES LISTED ABOVE ARE LOCATED ON THE BACK OF THE FLYER.

INSTRUCTOR/SUBSTITUTE BENEFITS

- Flexible Schedule (Mon— Thurs)
- 1 to 2 terms a year (term=12wks)
- No Summer Classes
- 6:00pm—10:00pm
- Good Pay
- Other CCC Discount Benefits



**IF YOU WOULD LIKE MORE INFORMATION ABOUT BECOMING AN
INSTRUCTOR OR SUBSTITUTE PLEASE CONTACT
DAVE GILSON AT 503-706-3999 OR TERA-BYTE@EARTHLINK.NET
OR EVA SIZELOVE AT 503-598-7789 OR EVA@IECOREGON.ORG**

BASIC TRADE, CODE & SAFETY

- Provide basic understanding of low voltage cabling
- Provide basic understanding of tools of the trade
- Provide basic understanding of construction materials
- Introduction to the NEC and Oregon administrative rules
- Understand basic safety practices
- Identify and correctly respond to workplace hazards
- Accept personal accountability for our own safe work practices commit to a zero-accident workplace
- Provide basic understanding of trade related mathematics

SPECIALIZED CONTROLS

- Understanding of AC & DC circuits.
- Knowledge of operations of various switches & relays.
- Recognizing and interpreting of blueprint/schematic symbols.
- Reviewed and tested on all applicable Electrical Codes & standards.
- Demonstrations of working systems and how to troubleshoot them.
- Knowledge to assemble a given circuit by a schematic.
- Application in industry sectors such as HVAC, Automation, etc...
- Use a multi-meter to troubleshoot common problems.

DATA COMMUNICATIONS

- Provide basic understanding of different cable types for data transmission.
- Provide basic understanding of different cable types for terminations.
- Describe in detail the star network topology and design.
- Describe the fundamental principles of wireless communication
- Explain PC communication port setup
- Understand NEC code as it pertains to data communications.

AMPLIFIED SYSTEMS

- Received instruction in audio theory including decibels, sound wave propagation, acoustics, frequency response and basic audio mathematics.
- Received instruction in the basics of telephony including circuit types, line testing, phone systems, paging interfaces and music on hold sources and connections and demarc equipment.
- Received instruction on the various types of sound systems and their applications. .
- Had hands-on experience in installing and wiring both self-amplified and central amplified sound systems, interconnection to phone equipment and distributed audio systems.
- Received in-depth instruction and discussion of Articles 300, 640, 725, 800 and other applicable articles of the NEC.
- Completed project in system design.
- Received instruction and practice in troubleshooting audio system and telecom issues.
- Received instruction and had hands-on experience in the safe use of hand tools related to au-

APPLICANT MUST OBTAIN THE ABILITY TO UNDERSTAND AND TEACH IN THE FOLLOWING AREAS OF COURSE OBJECTIVES.

RESIDENTIAL TECHNOLOGIES

- Received instruction in network fundamentals and the various topologies available as they apply to residential integration.
- Received instruction in the basics home automation including climate control, lighting control, security systems, smart appliances and integrated systems.
- Received instruction on the various types of sound systems and their applications.
- Had hands-on experience in installing and wiring home theater components, data networking hardware and distributed audio equipment.
- Received in-depth instruction and discussion of Articles 300, 640, 725, 800 and other applicable articles of the NEC.
- Completed system design assignments.
- Received instruction and had hands-on experience in the safe use of hand tools related to residential installations.

CCTV/INTEGRATED SYSTEMS

- Identify the basic principles, standards, and practices used to install, maintain, and service CCTV systems.
- Introduce and describe basic electrical foundations associated with CCTV systems
- Describe different uses for CCTV systems
- Introduce and provide identify different recording types and media used for CCTV applications
- Describe the types of cameras used in CCTV systems
- Describe the use and selection of various lenses for use in a CCTV system
- Explain different cabling options for a CCTV system
- Describe and define different installation requirements for CCTV systems
- Describe the tools used for CCTV system troubleshooting Identify the basic principles, standards, and practices used to install, maintain, and service integrated security systems.
- Introduce and describe basic electrical foundations associated with integrated systems
- Introduce and provide examples of relay logic integration
- Introduce and provide examples of terminology used in conjunction with integrated systems
- Introduce typical system components and software

BURGLAR ALARM & ACCESS CONTROLS

- Instruction of the various components and their functions.
- Knowledge to design a basic system.
- Experienced physically connecting the components properly.
- Reviewed and tested on all applicable Electrical Codes.
- Demonstrations of working systems and how to program them.
- Knowledge to properly integrate an access system with a fire system.

FIRE ALARM

- Provide basic information on NFPA 72 & NEC 760
- Describe basic requirements of fire alarm systems and its terminology
- Describe and demonstrate the different styles of wiring circuits
- Describe and demonstrate the different types of initiating devices & notification devices
- Describe and demonstrate installation requirements for initiating and notification devices
- Describe and demonstrate techniques for servicing fire alarm systems and nurse call systems
- Provide basic testing requirements
- Describe and demonstrate how to review and understand fire alarm system drawings
- Describe and review different types of nurse call systems and their components
- Describe and review basic requirements of nurse call systems
- Provide basic training in use of multimeter for troubleshooting
- Provide basic training in the proper method of testing fire alarm systems

CODES CLASS

Prepare students for state LEA and LEB license exam.

**TO APPLY TO BECOME A SUBSTITUTE CONTACT
DAVE GILSON AT 503-706-3999 OR TERA-BYTE@EARTHLINK.NET
OR EVA SIZELOVE AT 503-598-7789 OR EVA@IECOREGON.ORG**