Training the Future: The Electrical Training ALLIANCE’s Blended Learning Program

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This session is eligible for 1 Contact Hour.

To earn this hour you must:
– Have your badge scanned at the door
– Attend 90% of this presentation
– Fill out the online evaluation for this session
Topics for Today

- Blended Learning & LMS
- Enhanced Media
- Active Learning Classroom
- Open Forum/Questions
What are the Primary Drivers for the Transition?

We are truly an alliance of very diverse partners and financial supporters united by a common cause.
10 years in the making we have been transforming the apprenticeship model

Core Curriculum
(Customized at the local level)

National Guideline
Apprenticeship Standards
(DOL)

Restructured Organization will better allows us to meet the needs of the electrical industry and our customers

Marketing

Does the public really know us and how well trained we are?

PATHWAYS

Does the public understand the diversity in our electrical workers and how we can supply manpower with specific training?
BLENDED LEARNING

WHY BLENDED LEARNING?

f2f  Increase d learning  LMS
Face-to-Face
Active Learning
Classroom

Learning Management System
Classroom Time Management & Efficiency

Content: Initial delivery of topic to more detail
Labs: Both Hands-on and Virtual
Homework Review: Weekly customized coverage based on LMS Reports
Certs: National & Local Certifications

Classroom Hours

Content 50%
Labs 25%
Homework Review 15%
Certs 10%

NJATC BLENDED LEARNING

SIGN IN

User Name
terrycolleman@njatc.org
Password
***************

SIGN IN

FORGOTTEN YOUR USERNAME OR PASSWORD?

LMS Support

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NOT YET REGISTERED?

Are you ready to start training? Click the link below to request access through the local training center.
NJATC QUALITY TRAINING

The finest electrical workers in the country receive their training through the National Joint Apprenticeship and Training Committee of National Electrical Contractors Association (NECA) and International Brotherhood of Electrical Workers (IBEW).

It's a model education partnership which produces the best-trained, most up-to-date electrical apprentices and journeymen in the country. All of the millions annually spent is privately funded.

For the Reference of NECA 2014 Chicago
Attendees Only
Lesson 5: Conduit Threading Techniques

Reference
- Conduit Bending and Fabrication Textbook Chapter 8

Introductory Information

Many conduit installations will require you to have a knowledge of the various types of conduit threading equipment and the techniques that are used to thread conduit. Threading a Rigid or Intermediate Metal Conduit may seem simple, but if done poorly the electrical system can fail with destructive results. A simple task forgotten, such as failing to ream the conduit during the threading process, may cause the Insulation of the conductors to be damaged. That damage can lead to insulation failure and a possible electrical explosion later on.

In this lesson you will learn some of the things that must be taken into account when using a variety of threader types. While small conduits may be threaded by hand, larger conduits will require power driven tools which are more complex in their operation and can be linked to one another in various combinations. While it may be some time before you encounter all of these types of threaders in the field, your careful study of the textbook and this lesson will acquaint you with nearly all of the types of threaders available.

Die sets must not be mixed.
Learning Objectives

After completing this lesson, you will be able to:
1. Describe the techniques used to thread intermediate and rigid metal conduit.
2. Identify the various parts of the equipment used to thread conduit.

Web Resources

- RIDGID 300 Power Drive Instructional Video
- RIDGID 1224 Threading Machine
- RIDGID 700 + 7 dies 3/8" to 2";
- RIDGID 141 Pipe Threader, in like new condition MOV

CourseWare Study Plan & Enhanced Materials

- Media Clip: Threaded Conduit
- Interactive Animation: Glossary
- Flash Cards: Lesson 5
- Quick Quiz: Lesson 5

Lesson Activity

Quiz for Lesson 5

CET
Continuing Electrical Training

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Inside Transformer Simulator
Current in DC Combination Circuits

ACTIVE LEARNING CLASSROOM
OPEN FORUM/QUESTIONS