



BASIC UNDERGROUND SCHOOL

The *Basic Underground School* introduces personal protective grounding on an Underground Distribution System (URD). Topics include safe working practices and procedures, terminators, elbows, and transformers, underground installation. Upon completion, students will be able to relate safety practices associated with URD systems and demonstrate proper underground system make up.

COURSE OUTLINE

- Cable Identification & Characteristics
- Change Bushing and Fuse
- Confined Space Rescue
- Constructing the following:
 - > Primary Splice
 - > Terminators & Elbows
 - > Underground Enclosure
 - > Transformer Grounds
- Personal Protective Grounding of Transformers and URD Cables
- Safety Inspection & Maintenance of Trenchers and Backhoes
- Underground Safety
- Underground Specifications
- Underground Stripping Tool Use
- URD Transformer Maintenance

This school is not intended to certify an individual as outlined in (a) (2) (vii) of the 1910.269 Electrical Power Generation Transmission and Distribution Standard.

PREREQUISITES

None

CANCELLATION POLICY

If a course is cancelled by ElectriCities, all registrants will be notified with a full registration fee refund.

Participant Cancellation and No Shows: A non-refundable registration fee will be charged for cancellations after the **registration deadline of July 26, 2021.**

COURSE DATES

August 9 – 13, 2021

Registration deadline July 26, 2021.

PRICE

Members: \$699

Associate Members: \$1049

Non-Members: \$1599

Price includes workbook, snacks and lunch Monday – Thursday. Class size is limited to 18.

TIMES

Monday: 9:00 a.m. – 5:00 p.m.

Tuesday – Thursday: 8:00 a.m. – 5:00 p.m.

Friday: 8:00 a.m. – 12:00 p.m.

LOCATION

Paul Joseph MD Library and Education Center

113 West Main Street

Maiden, NC 28650

HOTEL

Hampton Inn

1956 13th Avenue Drive SE

Hickory, NC 28602

(828) 624-2000

Ask for the ElectriCities rate. \$119.00 per night plus tax

NASH COMMUNITY COLLEGE

This course is part of the Nash Community College Electric Line Construction Technology Degree program. Successful completion of the ElectriCities Basic Underground School grants participants credit for Nash's "Underground Line Construction I" (ELT 211).

AFFILIATED PROGRAMS

*This course satisfies Safety School requirements for the following **ElectriCities** programs:*

- ✓ Lineworker Career Development
- ✓ Underground Career Development
- ✓ Apprenticeship (Level 2)

BASIC UNDERGROUND SCHOOL

The *Basic Underground School* introduces personal protective grounding on an Underground Distribution System (URD). Topics include safe working practices and procedures, terminators, elbows, and transformers, underground installation. Upon completion, students will be able to relate safety practices associated with URD systems and demonstrate proper underground system make up.



STUDENT REQUIREMENTS

Students are required to bring the following:

- **Required PPE** (hard hat, work gloves, rubber gloves and protectors, **ANSI Z87** safety glasses, work boots)
- Side Cutter Pliers
- Channel Lock Pliers
- Lineman's Hammer
- Large Flathead Screwdriver
- 12" Adjustable wrench
- Ratchet wrenches 1/2", 9/16", 5/8", 3/4"
- Hex Key set 3/16-3/8
- Folding Fiberglass Ruler
- Skinning knife
- Lineman's ratcheting wrench
- Penta Star wrench
- Voltage Meter
- Rain Gear
- FDR long-sleeve shirt(s)
- APPA Safety Manual 16th Edition*

Students who are physically restricted to participate will be dismissed. Students with damaged or defective equipment will be dismissed.

* To purchase, contact Jill LaBorde at: 919-760- 6301 or jlaborde@electricities.org