INSULATION AND GROUND ROD RESISTANCE TESTING

NC3 and Greenlee help shape tomorrow's workforce through certification programs, industry supported curriculum and hands-on training. During this course, you will gain the knowledge of applications and hands-on experience using a digital megohmmeter and clamp-on style ground rod resistance tester.

Students who receive NC3's Insulation and Ground Rod Resistance Testing certification will:

- Understand the applications and operation of insulation resistance and ground rod resistance testers.
- Measure insulation resistance on conductors, transformers and motor windings.
- Measure ground rod resistance with a clamp-on style ground rod resistance tester.
- Interpret category ratings for meters and test leads.
- Apply electrical principles and laws to calculate resistance.
- Understand the importance of electrical safety guidelines and PPE best practices.

COURSE CONTENTS INCLUDE:

- Operations and functions on the 5882A Megohmmeter & CMGRT-100A Clamp-On Ground Resistance Tester.
- Understanding the importance and safety ratings for meters and test leads.
- Common applications for megohmmeters and ground rod resistance testers.
- Insulation resistance and ground rod resistance lab exercises.
- Online testing

For more information, contact NC3 at nc3.net.

NC3 CERTIFICATION

Receive an industry-validated NC3 certificate as proof of skills achievement that can offer enhanced employment potential and higher productivity on the job, in industries such as:

- Electrical Power Industry
- Industrial Manufacturing
- Building Trades

GREENLEE CERTIFICATIONS

- Hand Bending
- Basic Conduit Bending
- Advanced Conduit Bending
- Wire Pathways
- Fishing Conduits/Raceways & Cable Pulling
- Electrical Branch/Series and Service Level Wire Termination
- 3-Phase Sequencing & Motor Rotation
- Insulation & Ground Rod Resistance Testing
- Basic Electrical Installation

Greenlee is a proud partner of the National Coalition of Certification Centers. Greenlee Certifications are developed and administered by NC3 (National Coalition of Certification Centers) and are compatible with other industry-recognized certifications.