

Electrical Curriculum

New Hampshire's Registered Electrical Apprenticeship State-sponsored Programs have adopted [Electrical Training Network](#) as their core curriculum

Year One

- Basic Direct Current (DC) Theory
- Introduction to the National Electrical Code (NEC 2014)
- Mathematical Calculations for Electrical Formulas, Values and Problems
- Measuring instruments
- Residential Wiring
- Safety Rules, Practices, Materials, and National Fire Protection Association (NFPA) 70E Awareness

Year Two

- Code compliance for residential wiring
- Grounding and Bonding
- Language and Concepts of Alternate Current (AC) Theory
- Mathematical Calculations
- National Electrical Code (NEC 2014)
- Safety, and NFPA 70E Awareness
- State Laws and Rules - electrical trade

Year Three

- DC Motor, Generators, and Transformer Theory
- Electric Motor Controls, Safety, Maintenance and Operation
- NEC 2011 for Motors and Motor Circuits
- Over current and ground fault protection
- Safety, and NFPA 70E Awareness
- Service conductors and equipment
- Year Four
- Controls, Relays and Timers
- Electrical Related Instruction Competencies Review
- Leadership Skills
- Safety, and NFPA 70E Awareness
- State Rules and Regulations RSA 319
- Terms, Language and Application of the National Electrical Code (NEC 2014)