



Electrical Apprenticeship

Master Plan of Instruction

- Explain the importance of health, safety, environmental stewardship and related regulatory compliance.
- Identify, use and maintain the tools and accessories used in the electrical industry.
- Demonstrate an understanding of basic Direct-Current (DC) electrical-circuit skills.
- Apply mathematics knowledge and skills to electricity.
- Demonstrate an understanding of basic electricity.
- Read and interpret basic electric codes.
- Apply further mathematics knowledge and skills to electricity.
- Demonstrate further understanding of electricity.
- Demonstrate science knowledge and skills related to electrical principles.
- Demonstrate proficiency in electrical math problems and skills.
- Demonstrate Alternating-Current (AC) circuit skills.
- Explain the importance of employability and entrepreneurship skills.
- Install residential wiring.
- Install residential wiring systems.
- Demonstrate proficiency in commercial wiring.
- Demonstrate specialized electrical skills.
- Demonstrate competency in industrial wiring.
- Demonstrate competency in AC and DC motors.
- Demonstrate competency in electrical and electronic control circuits and equipment.