ABC CONSTRUCTION ELECTRICIAN APPRENTICESHIP

Program Number: 50-413-9
Apprenticeship
Campus: Fond du Lac, West Bend
This program is **not** eligible for financial aid

Moraine Park Technical College's ABC Construction Electrician Apprenticeship program allows students to gain on-the-job training while turning their passion into a career.

About the Program

Combining hands-on work with in-classroom training, the ABC Construction Electrician Apprenticeship program from MPTC teaches students the fundamentals of electrical systems. If you enjoy working in a variety of facilities and atmospheres, becoming an electrician could be the path for you. Electricians deal with diverse and constantly changing work, but what remains the same is the work they do to plan, diagram, repair and install electrical fixtures.

What You'll Learn

Students in this program work alongside journeyman electricians in the field to practice and learn electrical skills. Apprentices earn cash while working on real jobsites to assemble, wire and install electrical systems that operate heating, lighting, power, air conditioning and refrigeration components. They also work with electrical machinery, electronic equipment and controls.

Graduates of the program are prepared to install electrical piping, interpret blueprints, and understand OSHA and National Electric Code. They will also know how to utilize tools of electrical trade and test circuits to ensure safety and compatibility.

Electricians need to be informed about the latest energy conservation technology and green sustainable work processes.

Additional Information

Learn more at www.wisconsinapprenticeship.org (https://dwd.wisconsin.gov/apprenticeship/)

Application Information

Application information available at: Associated Builders & Contractors, 800-829-9926 or 608-244-6056; e-mail info@abcwi.org. Applications available online at http://www.abcwi.org/apprenticeship (http://www.abcwi.org/apprenticeship/).

Application Requirements

Application information available at: Associated Builders & Contractors, 1-800-829-9926 or 608-244-6056; e-mail **info@abcwi.org**. Applications available online at https://buildyourcareerwi.org/

- Apprenticeship application
- Employer application (if sponsored)
- EEOC Supplemental Information Form
- High school verification:
  - Transcripts with graduation date listed, or
  - Copy of high school diploma, or
  - GED/HSED certificate, or
  - Graduating senior: verification that you are on track to graduate, or
  - Homeschool PI – 1206 form verification for each year completed
- Copy of driver's license or letter verifying transportation means to get to work and school
- Test results (Accuplacer or TABE)
  - ACCUPLACER tests are given at Moraine Park testing centers. Call (920-924-3207 or 1-800-472-4554) for ACCUPLACER test appointment scheduling. Testing is available at Beaver Dam, Fond du Lac or the West Bend campus.
- Algebra verification

Admission Process

Apprentice students do not complete standard admissions with Moraine Park. Interested students should contact:

Tim Budda, Apprenticeship Training Representative
Phone: 262-335-5849
Email: timothy.budda@dwd.wisconsin.gov

Approximate Costs

- $141.00 per credit (resident)
- $211.50 per credit (out-of-state resident)
- Online students are not charged out-of-state fees.
- Please refer to the MPTC Student Handbook (http://www.morainepark.edu/studenthandbook/) for additional enrollment fee information.

Training Period

The electrician apprenticeship consists of five years of not less than 8,400 hours in which a minimum of four years and 576 hours is spent in paid-related classroom instruction and 200 hours of unpaid-related instruction.

Apprentices attend class one day every other week for eight semesters. Apprentices shall obtain certification in First Aid and CPR and a minimum of a 10-Hour Safety course during the first 12 months of the contract. First Aid and CPR certifications must be kept current. The apprentice is required to take Arc Flash by the end of the second year and the Transition to Trainer course in the final year of the apprenticeship.

The apprentice must complete satisfactorily 200 hours of unpaid school hours, as prescribed by the ABC of WI Apprenticeship Advisory Committee. The apprentice shall obtain at least 45 hours per year in unpaid related instruction. The 200 hours of unpaid related instruction must include Electrical code (30 hours minimum), Arc Flash (4 hours minimum), and an Electrical Exam Prep Course.

Working Conditions

Electricians must have a moderate level of physical strength and be able to stand for long periods of time. They must be able to work in cramped and uncomfortable positions. Since their work is mostly indoors, electricians are less exposed to inclement weather than many other

construction workers. The ability to decipher different colored wires is required.

Tools and Equipment

Electricians usually provide their own tools, including screwdrivers, pliers, knives and sawzall. Employers generally provide heavier tools, such as pipe threaders, conduit benders, and most test meters and power tools.

Course Requirements

Course	Title	Credits
Year 1		
413-540	ABC Construction Electrician 1	2
413-541	ABC Construction Electrician 2	2
	Credits	**4**
Year 2		
413-542	ABC Construction Electrician 3	2
413-543	ABC Construction Electrician 4	2
	Credits	**4**
Year 3		
413-544	ABC Construction Electrician 5	2
413-545	ABC Construction Electrician 6	2
	Credits	**4**
Year 4		
413-546	ABC Construction Electrician 7	2
413-547	ABC Construction Electrician 8	2
	Credits	**4**
	Total Credits	**16**

Required state paid instruction hours = 576

This apprenticeship program requires Related Electives. Please contact your Apprenticeship Coordinator for courses.

Program Outcomes

- Practice construction and electrical safety.
- Utilize tools of electrical trade.
- Identify materials common to electrical trade.
- Install electrical components.
- Interpret blueprints and circuit diagrams.
- Install electrical piping.
- Apply electrical theory to safety practices.
- Interpret OSHA and National Electrical Code.
- Apply OSHA and National Electrical Code.
- Investigate high-voltage applications.
- Operate electrical test equipment
- Investigate and incorporate green and sustainable energy practices.

Career Opportunities

- Commercial Electrician
- Electronic Sales
- Estimating/Design
- Sales
- Industrial Electrician
- Residential Electrician
- Repair/Service Technician