

NWTC UECN Electrical Power Distribution Employer Skills Survey Results February 2023

27 employers responded to the survey.

Q2 - Please indicate how important each of the following computer and communication skills are to your company when hiring (on scale of 5=Extremely important to 1=Not important at all):



Q3 - What, if any, computer and communication skills not listed previously is your organization looking for in an employee?

Ability to navigate and programs for metering ie: installing, troubleshooting and outage man.

CAD

Can express a complete thought without reading off of a slide or script. Ability to navigate applications on a smart phone or smart tablet.

GIS experience

GIS mapping

GIS systems

Generally, being able to navigate several different programs.

IP Networking Protocols

Knowledge of ESRI GIS

Knowledge of GIS and mapping

Listening to instruction and being able to follow without further prompting.

Microsoft Teams navigation, Mapping Applications, Communications via email and messaging

Networking, all new devices are microprocessor based. Knowledge of different protocols is necessary to program devices.

Our apprentices will not be on a computer.

Our employees use numerous softwares to perform their work every day, from outage management, asset management, and work order management. The ability to navigate these types of programs is extremely important.

The use of email as a primary communication tool.

They will need basic computer skills.

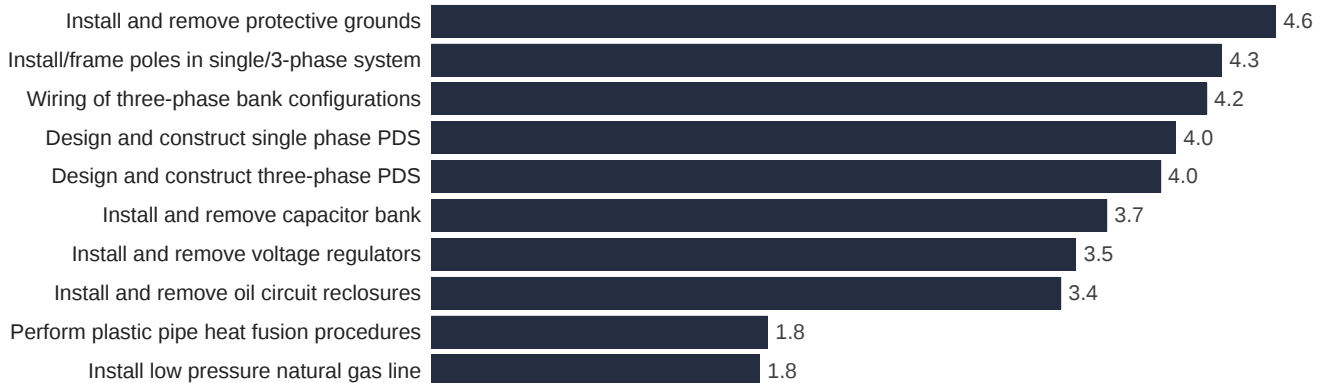
na

none

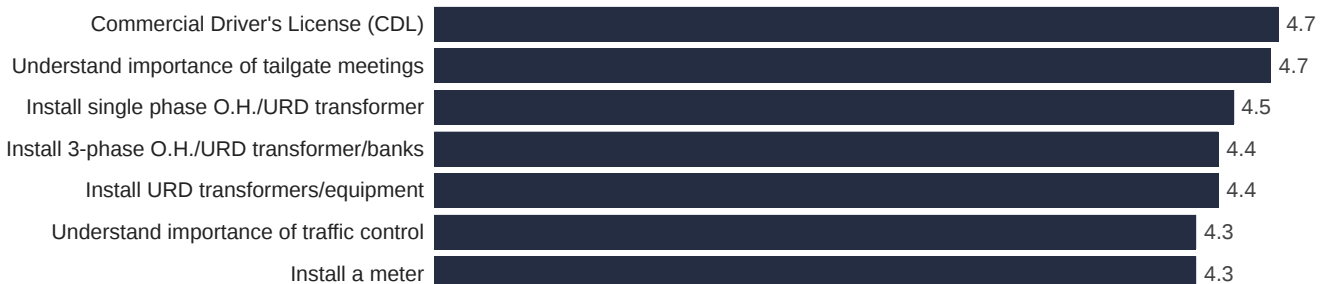
Q4 - Please indicate how important each of the following field concepts and skills is to your company when hiring (on scale of 5=Extremely important to 1=Not important at all):



Q5 - Please indicate how important each of the following field concepts and skills is to your company when hiring (on scale of 5=Extremely important to 1=Not important at all):



Q6 - Please indicate how important each of the following field concepts and skills is to your company when hiring (on scale of 5=Extremely important to 1=Not important at all):



Q7 - For what field skills does your organization provide training opportunities?

All of the previously mentioned skills, we are a training ground for larger utilities.

At IBEW Local 2150 we do not provide training as our Mo Valley training center provides the required training.

Electric

Electrical Power Distribution

Electrical Safety | CPR | OSHA-30

Field Technicians. Relay and equipment Technicians

On the job training in all aspects of line work plus 4 year state apprenticeship

Our apprenticeship offers training in all areas.

Outside Plant Fiber construction, fiber splicing.

Substation Techs, Electrical Distribution Techs, Engineering, Linemen

The apprenticeship is offered in house. This provides many training opportunities from traffic control to trade specific training.

We have indentured apprenticeship for line, gas, metering, and garage mechanic positions

We offer continuing education for all employees, depends what field their in.

We provide training and refreshers on all aspects of line work.

With a three man crew, our apprentices are thrown in the fire and learn every aspect a journeyman is expected to know right from the time they are hired. Secondary work is very important and a large part of the work they will be doing in year one. Some street light knowledge would also be good coming out of school as that is where we will start them with hot work.

all

apprenticeships for electric lineworker 3-4 year=4 wks/ year study- otherwise hands on

distribution line work. water men snowplowing

electric lineman

Q8 - Please indicate how important each of the following calculation and measurement skills is to your company when hiring (on scale of 5=Extremely important to 1=Not important at all):



Q9 - For what calculation and measurement skills does your organization provide training opportunities?

- All three phase power and single phase power equations
- Calculation for kilowatt hours, coincident demand
- Electric
- Electricity Basic and Electricity Lineperson
- Finding Power Factor (variance voltage and current due to load types) Trig functions
- Measuring primary and secondary voltages and reading and amp clamp. Little to no calculations.
- None
- None
- Once again Mo Valley training center provides this training. IBEW Local 2150 is not a training center.
- Some basic transformer training
- The one mentioned in the previous questions are all provided in our apprenticeship training.
- all
- apprenticeship
- on-the-job training and refreshers

Q10 - Please rank the following list of professional skills, in the order of importance for hiring in your organization (1=Highest importance).



Q11 - What, if any, other professional skills are important to your company when hiring?

- A good work ethic. On time every day and not missing days of work unscheduled.
- Being safety conscious
- Continuous Learning | Business Management
- Critical thinking and continuous improvement
- Drive, dedication, commitment
- Flexibility, availability, ability to fit into a team

None needed

Safety, Ethics, Teamwork, Communications

Self motivation and work ethics.

The previous question cover it.

self motivated, must get along easily with others, open- minded, disciplined- stay on task

Q12 - For what professional skills does your organization provide training opportunities?

All of the ones mentioned previously.

Apprenticeship

Electric

Leadership training

Management and leadership training, technical training

None

Technical, Leadership, Communications, Teambuilding

We are a hiring hall not a training center.

all

all

Q13 - What other skills should colleges help students to develop to best prepare for roles in the electrical power distribution industry?

Being alert and aware of their surroundings. Not getting distracted with all of the technology in the world.

Building resumes, interview skills, and communications skills

Importance on Safety

In our situation, the basic daily operations of a lineman including secondary hookups, voltage testing, street light troubleshooting, and proper methods of hooking up secondary's and installing meters.

Math- trig-101. electrical theory. Diversity- Being able to work with others

None that you haven't mentioned.

Stressing the importance of getting any experience possible. The importance of understanding the electrical system and overhead and underground components.

The understanding of travel. (You Will not always be close to home) It is a hard industry to enter into, and takes time and dedication.

Training on more everyday tasks. Customer interaction. Problem solving under pressure.

organization skills, how to be a contributing member of a team, finances

wireless and fiber cross capabilities

Q14 - For what roles does your company hire job candidates that use the above competencies?

All of the things listed above will help a person enter into the electrical field. They will all help a person become an Apprentice.

- Apprentice Line workers
- Line Technicians, Cable Splicers, Meter and Connection
- Line Technicians, Utility Laborers, Utility Designers
- Line worker
- Linemen.
- Substation Techs, Metering Techs, Linemen, Engineering, Distribution Techs, GIS
- System Protection Technicians and Electrical Equipment Technicians
- Technicians | Engineers | Site Supervisors
- all electric jobs
- electric line technician
- line and gas mechanic, metering, garage operations, engineering
- line worker, substation tech, metering techs, maintenance specialists
- lineman
- lineman, meter techs, stakers
- superintendents, general foremen, foremen, area managers, lineman, project managers, project coordinators, estimators, inspectors, surveyors, mechanics

Q15 - Is your company connected to an educational institution from which you regularly hire employees or where current employees can pursue additional education/training?



Q16 - With what educational institutions are you connected?

- All of the WI Technical colleges that offer electric power distribution, gas construction/operations, and renewables.
- Alpena climbing school, Lansing Community College, others
- CVTC
- NWTC
- NWTC
- NWTC Green Bay
- NWTC, CVTC
- North West Technical College Green Bay
- Northern Michigan University, NWTC, MEA
- Old Dominion University and Virginia Tech
- tech schools in Wisconsin