

**PUGET SOUND ELECTRICAL APPRENTICESHIP
 SPONSORED BY THE PUGET SOUND ELECTRICAL
 JOINT APPRENTICESHIP AND TRAINING COMMITTEE (J.A.T.C.)**

Representing

Local Union No.46
 International Brotherhood
 of Electrical Workers (I.B.E.W.)

Puget Sound Chapter
 National Electrical Contractors
 Association (N.E.C.A.)

CONSTRUCTION ELECTRICIAN PROGRAM

The Electrical Industry is in the forefront of advancing technology. Electrical equipment and circuitry are becoming increasingly complex. The industry recognizes that it must attract qualified people for apprenticeship and has “ear marked” its own scholarship money for training.

- Apprentices are employed workers. They have a contract that provides for regular wage and benefits increases as well as diversified training.
- You learn to work with modern tools and machines.
- You work under the direction of a competent journeyman who teaches you in the shop and at the job site.
- As your knowledge and skills increase, your rate of pay will increase.
- In addition to becoming a qualified construction electrician, your education will prepare you for career opportunities as a foreman, estimator or superintendent. You may also qualify for special work with the city, county, state and federal governments. Many contractors started their careers as apprentices. Graduates will leave the program with an AAS degree.
- A valid driver’s license is required, as many contractors have vehicles that need to be operated.
- 200 hours of classroom instruction is scheduled for each of the five years of apprenticeship. Eight-hour classes will be held one day per week for a total of 25 days per year. Additionally, 15 credits of approved Associate Degree classes must be completed prior to graduation.
- The cost of the opportunity is approximately \$300 to \$475 a year for books and approximately \$475 to \$600 for tuition per year (depending upon class load).
- **The current journeylevel rate is \$40.81 per hour.** Beginning apprentices start at \$18.36 per hour with future wage progressions as follows:

PERIOD	% JW RATE	WAGE	MIN. OJT HRS.	+	COMPLETED TRAINING REQUIRED TO ADVANCE TO NEXT PERIOD
1	45%	\$18.36	0 – 1000	+	Satisfactory School Progress
2	50%	\$20.41	1000-2000	+	1 st Year School
3	55%	\$22.45	2000-3500	+	2 nd Year School
4	65%	\$26.53	3500-5000	+	3 rd Year School
5	75%	\$30.61	5000-6500	+	4 th Year School
6	85%	\$34.69	6500-and above		**

**Apprentices will be eligible for advancement to Journeyman Wireman classification when all JATC program requirements are met and the apprentice is “turned out” by the JATC.

The benefits package includes medical, dental, vision and prescriptions (funded by employer contributions of \$7.20per hour), along with generous pension plan employer contributions which begin when the apprentice reaches 55% of journey scale. These contributions are made in addition to the hourly wage.

- Construction work is often seasonal, and work in rain, sleet, hail, snow, and mud may be the working conditions. Close and confined spaces are part of the work, as well as working off of ladders, scaffolds, and lifts.
- The program is looking for enthusiastic, responsible people with good mechanical skills and mathematics aptitude to enter our apprenticeship.

Apprenticeship in the Electrical Construction industry is a versatile occupation. Your ability and ambition are the only limiting factors.

PSEJATC AGILITY TESTING

After selection but prior to registration, ALL individuals being offered an apprenticeship will be required to take and pass a drug test, background check, physical examination and agility test. The following information outlines the required tasks in the agility test.

Construction Electrician

Task #1

The candidate will use a Phillips and a flat tip screwdriver to remove 6 screws, 2 nuts and 2 washers that are in the bus bar and replace them as quickly as they can. The candidate will complete this task one time. Time allowed: 3 minutes and 15 seconds.

Task #2

The candidate will place the wire nut onto the ends of the wire pigtailed and twist the wire nut until tight. The candidate will complete this task one time. Time allowed: one minute.

Task #3

The candidate will lift each spool (total of 4), one at a time, off of a wire cart and load onto a pallet. The candidate will then replace these spools back onto the wire cart in their original positions. Each spool weighs 65 pounds and is lifted between 10" and 30". The candidate will complete this task one time. Time allowed: 2 minutes and 30 seconds.

Task #4

The candidate will use a manual cable cutter to cut a piece of 4/0 copper wire. The candidate may use any body part to assist with task (i.e. shoulder, leg). This requires a push force of 55 pounds. The candidate will complete this task one time. Time allowed: 30 seconds.

Task #5

The candidate will pull downwards on rope at shoulder level with a force gauge attached as hard as possible reaching a minimum of 100 pounds of force. The candidate will complete this task one time. Time allowed: 15 seconds.

Task #6

The candidate will pull upwards on rope at mid thigh level with a force gauge attached as hard as possible reaching a minimum of 100 pounds of force. The candidate will complete this task one time. Time allowed: 15 seconds.

Task #7

The candidate will stand 15' to the left side of a sled loaded with 60 pounds. The candidate will pull the rope hand over hand to the left until the sled is 1' from the candidate. This is repeated on the right side. The candidate will complete this task one time each way. Time allowed: 30 seconds each way.

Task #8

The candidate will start with a 24' fiberglass extension lying on the ground. The ladder will be stood up and extended to the height marked on the wall. The candidate will then climb the ladder and touch the X marked on the wall with the palm of the right hand first and then the left hand. The candidate will then climb down the ladder, lower the ladder and return it to its starting position. The candidate will complete this task one time. Time allowed: 4 minutes.

Task #9

The candidate will climb onto the first step of the ladder. The candidate will then lift a light fixture weighing 32 pounds and hold it above their head for 10 seconds. The candidate will then return the light fixture to its original position. The candidate will then step down from the ladder. The candidate will complete this task one time. Time allowed: 1 minute 30 seconds.

Task #10

The candidate will pick up and position the mid-point of a bundle of conduit weighing 62 pounds onto their shoulder. The candidate will walk up two flights of stairs. The candidate will then turn around and walk back down the stairs and return the conduit to the original position. The candidate will complete this task one time. Time allowed: 3 minutes.

There is a qualifying lift of 78 pounds required in order to be allowed to take this test. This lift is done by lifting a box straight up from the floor keeping the back straight and lifting with the legs.