

8 great opportunities



# ENERGIZE YOUR CAREER

APPRENTICE PROGRAMS





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## Learn and earn in a Chelan County PUD apprenticeship

Just out of school and job hunting? Feeling stuck in an industry that doesn't offer pay and benefits that support a family? Looking to put your hard-earned experience to work in a challenging position that leads to a great career?

Chelan County Public Utility District invites you to consider applying for one of the eight apprenticeship programs it offers. Apprenticeships are a door to a challenging career that offers good pay and benefits and the satisfaction of working for a public utility owned by the people we serve.

An apprenticeship is a supervised program for learning highly technical skills through on-the-job training and classroom instruction. Apprentice training is approved by the state of Washington and overseen by the PUD's Apprenticeship Committee, made up of members from different crafts and managers.

Those who successfully complete the program are certified as highly skilled journey-level workers in their chosen trade.

## PUD APPRENTICESHIPS

Lineman  
Power systems wireman  
Meterman  
Generation mechanic  
Hydro operator  
Generation wireman  
Electric utility technician  
Water/Waste water technician



### Requires:

Three years of on-the-job training and at least 432 hours of academic training. Electric utility technician requires four years of on-the-job training and at least 576 hours of academic training.

To apply you must be:

- At least 18 years old
- High school graduate or certified equivalent
- Looking for a challenge
- Have the right combination of education, skills and physical ability



### **On-The-Job Training:**

During on-the-job training you will work as a member of a crew in the craft of your apprenticeship under the direct supervision of a journey-level worker. Assignments will be rotated to give you an overall perspective of Chelan County Public Utility District's operations.

### **Classroom Instruction:**

In addition to on-the-job training, you will be required to attend a minimum of 144 hours of classroom instruction annually. Classroom instruction starts in September and ends in April. Class time is after normal work hours and/or on Saturdays. Homework assignments will require additional study. Class work and homework will be done on your own time.

### **Graduates of the program can look forward to:**

- **Excellent salaries**
- **A full spectrum of benefits including medical, dental and retirement**
- **Challenging, steady work**
- **Opportunities for growth and advancement**

We are dedicated to increasing the number of women and minorities in our apprenticeships and, at the same time, providing equal opportunity for all qualified applicants.

### **How to apply**

Applications for apprenticeships are accepted only when the required application materials are submitted through the online application process in conjunction with an open, posted position (apprenticeship opportunities are typically posted as Trainee Apprenticeship positions).

Visit Careers at [www.chelanpud.org](http://www.chelanpud.org) and refer to "How to Apply" for complete online application procedures. Job openings are posted on our Careers Website as they become available and may also be obtained by calling our 24-hour Job Line at (509) 661-8001 (callers outside the Wenatchee area may dial 1-800-297-8074).

For further information, call our Human Resources Department at (509) 661-4793 or toll free at (888) 663-8121.



## LINEMAN APPRENTICE



The apprentice shall be given such experience and instruction as is necessary to develop into a practical, skilled, competent craftsman in his/her classification and in so far as practicable, this will cover all branches of the trade.

On-the-job training will consist of the following but not limited to:

1. Framing and setting of poles, arms, and guys.
2. Installation of overhead conductors, insulators, switches, cutouts and protective devices.
3. Installation of underground conductors and associated switches, cutouts and protective devices.
4. Work on energized primary circuits with hot sticks.
5. Installation and removal of transformers to include underground, padmount and pole mount.
6. Installation and removal of underground and overhead services.
7. Learn to operate the different pieces of heavy equipment at the District.
8. Fault and cable locating and metering.
9. Computer training.

There is a total of 6,000 hours of on-the-job training. The apprentice is also required to attend classroom instruction for a minimum of 144 hours per year on his/her own time.

## POWER SYSTEMS WIREMAN APPRENTICE



The apprentice shall be given such experience and instruction as is necessary to develop into a practical, skilled, competent craftsman in her/his classification and in so far as practicable, this will cover all branches of the trade.

On-the-job training will consist of the following but not limited to:

1. Layout of new construction and installations from engineering drawings.
2. Installation, adjustment, repair and maintenance of switching equipment.
3. Wiring, testing of control meter and relay circuits and equipment.
4. Installation and maintenance of transformers.
5. Substation inspection.
6. Shop repair of electrical equipment.
7. Installation and maintenance of batteries, battery chargers and miscellaneous control equipment.
8. Installation and maintenance of voltage regulators and accessory equipment.
9. Power wiring and bus-bar installation.
10. Safety meetings, care and inspection of safety equipment.

There is a total of 6,000 hours of on-the-job training. The apprentice is also required to attend classroom instruction for a minimum of 144 hours per year on his/her own time.

The following personal tools shall be acquired by completion of first, second, and third periods of apprenticeship:

**1st period:** Tool box, allen wrenches, pliers and side cutters, assorted screw drivers, center punch, ballpeen hammer, steel tape, goggles, open-end wrenches 3/8" – 1".

**2nd period:** Spin-tights, combination square, stacon pliers, champ combinations bolt cutter-wire stripper.

**3rd period:** Needle nose pliers, vise grips, crescent wrenches 6", 8", 10" and a set of box-end wrenches.

## METERMAN APPRENTICE



The apprentice shall be given such experience and instruction as is necessary to develop into a practical, skilled, competent craftsman in his/her classification and in so far as practicable this will cover all branches of the trade.

On-the-job training will consist of the following but not limited to:

1. Installation, testing and calibration of typical single-phase and poly-phase meters.
2. Basic concepts of metering.
3. Self-contained meter application.
4. Transformer-rated meter applications.
5. Recognizing power diversion.
6. Fault and cable locating.
7. Handling customer complaints.
8. Computer training.

There is a total of 6,000 hours of on-the-job training. The apprentice is also required to attend classroom instruction for a minimum of 144 hours per year on his/her own time.



## GENERATION MECHANIC APPRENTICE



The apprentice shall be given such experience and instruction as is necessary to develop into a practical, skilled, competent craftsman in his/her classification and in so far as practicable, this will cover all branches of the trade.

On-the-job training will consist of the following but not limited to:

1. Machine shop, bench work, blueprint and layout.
2. Installation and maintenance of machinery.
3. Maintenance, repair and instruction on governors.
4. Maintenance and repair of rotating equipment.
5. Gas and electric welding.
6. Orientation of station cranes and equipment (backhoes, mobile cranes, etc.)
7. Maintenance of headworks, draft tubes and fishways.
8. Woodworking and building maintenance.
9. Rigging (cables, ropes, etc.)
10. Computer instruction.
11. Safety meetings, care and inspection of safety equipment

There is a total of 6,000 hours of on-the-job training. The apprentice is also required to attend classroom instruction for a minimum of 144 hours per year on his/her own time.

The following personal tools shall be acquired by completion of the first, second and third periods of apprenticeship:

**1st period:** Tool box, allen wrenches, side cutters, assorted screw drivers, center punch, ballpeen hammer, steel tape, goggles, open-end wrenches 3/8" - 1".

**2nd period:** Chisels, channel locks and combination square.

**3rd period:** Needle nose pliers, vice grips, crescent wrenches 6", 8", 10" set of box end wrenches.



## OPERATOR APPRENTICE



The apprentice shall be given such experience and instruction as is necessary to develop into a practical, skilled, competent craftsman in his/her classification and in so far as practicable, this will cover all branches of the trade.

On-the-job training will consist of the following but not limited to:

1. Study station blueprints, circuits, and instructions.
2. Basic concepts of turbine and hydraulic systems.
3. Operation of station auxiliary apparatus.
4. Yard and disconnect switching training.
5. Control room training.
6. Telephone and radio communication training.
7. Plant inspections.
8. Observation or assistance of equipment overhauls.
9. Miscellaneous (guide service, history, information, weather station, staff gauges or miscellaneous duties.)
10. Computer training.
11. Safety training.

There is a total of 6,000 hours of on-the-job training. The apprentice is also required to attend classroom instruction for a minimum of 144 hours per year on his/her own time.





## GENERATION WIREMAN APPRENTICE



The apprentice shall be given such experience and instruction as is necessary to develop into a practical, skilled, competent craftsman in his/her classification and in so far as practicable, this will cover all branches of the trade.

On-the-job training will consist of the following but not limited to:

1. Layout of new construction and installations from engineering drawings.
2. Installation, adjustment, repair and maintenance of switching equipment.
3. Wiring, testing and trouble shooting of control meters, relay circuits and equipment.
4. Installation and maintenance of transformers.
5. Installation and maintenance of rotating equipment and associated apparatus.
6. Shop repairs of equipment.
7. Installation and maintenance of batteries, battery chargers and miscellaneous control equipment.
8. Miscellaneous electrical installation and maintenance [i.e. service panels, branch circuits, etc.]
9. Gas and electric welding.
10. Safety meetings, care and inspection of safety equipment.

There is a total of 6,000 hours of on-the-job training. The apprentice is also required to attend classroom instruction for a minimum of 144 hours per year on his/her own time.

The following personal tools shall be acquired by completion of the first, second and third periods of apprenticeship:

**1st period:** Tool box, allen wrenches, pliers and side cutters, assorted screwdrivers, center punch, ballpeen hammer; steel tape, goggles, open-end wrenches 3/8" - 1".

**2nd period:** Spin-tights, combination square, StaCon pliers, champ combination bolt cutter-wire stripper.

**3rd period:** Needle nose pliers, vise grips, crescent wrenches 6", 8", 10", set of box-end wrenches.



## ELECTRIC UTILITY TECHNICIAN APPRENTICE



The apprentice shall be given such experience and instruction as is necessary to develop into a practical, skilled, competent craftsman in his/her classification and in so far as practicable, this will cover all branches of the trade.

On-the-job training will consist of the following but not limited to:

1. Test and repair of meters and transducers.
2. Test and repair of protective relays and oscillographs.
3. Test and repair of telemetry systems.
4. Two-way radio maintenance.
5. Test and repair microwave systems.
6. Telephone system maintenance.
7. Computer and supervisory control system maintenance.
8. Repair miscellaneous electrical plant equipment such as electronic regulators, annunciators, governors, etc.
9. Safety training.
10. SCADA systems.

There is a total of 8,000 hours of on-the-job training. The apprentice is also required to attend classroom instruction for a minimum of 144 hours per year on his/her own time.

Apprentice Technicians shall be required to obtain a Federal Communications Commission General Radio Operator License (FCCGROL) by the end of their fourth year or eighth period of apprenticeship. Failure to obtain their certification would be cause for elimination from the Technician Apprenticeship program.

Apprentice Technicians shall also complete 155 lessons from Electronics Technology with Digital & Micro Processor library correspondence course from the Cleveland Institute of Electronics.



## WATER/WASTE WATER TECHNICIAN APPRENTICE



Learn the technical and management skills needed to safely and efficiently operate and repair the systems that deliver drinking water and protect the environment by handling wastewater.

On-the-job training will consist of the following but not limited to:

1. Layout of new construction and installations from engineering drawings and inspection standards.
2. Installation, repairs and maintenance of metering devices.
3. Installation and maintenance of main water lines, service lines and hydrants.
4. Water quality and health requirements.
5. Pump stations and reservoirs, inspections and maintenance.
6. Trench safety requirements.
7. Equipment operation.
8. Working with underground utilities, power, gas, phone and irrigation.
9. Control valves.
10. Rigging and signals.
11. Computer training.
12. Telemetry and communication systems.
13. Safety meetings, care and inspection of safety equipment.

There is a total of 6,000 hours of on-the-job training. The apprentice is also required to attend classroom instruction for a minimum of 144 hours per year on his/her own time.

The following job skills and certification shall be acquired by completion of the first, second and third years of apprenticeship:

**First year:** Water Distribution Specialist and Class A Commercial Drivers License (CDL) with tanker endorsement.

**Second year:** Water Distribution Manager 1

**Third year:** Water Distribution Manager 2 and Basic Treatment Operator



## Energy Technology certificate program

Chelan County PUD partnered with other public utilities and Wenatchee Valley College to design an Energy Technology certificate program for students who plan a career in the power generation industry. The one-year program requires completion of 46 credits. It's an exciting opportunity to learn about power generation and obtain knowledge and skills that help individuals work in utility-specific or other technical fields.

The Energy Technology certificate program provides an excellent overview and training in the specific areas utilities look for in evaluating candidates for apprenticeship trainee positions such as mathematics, plant design and operations, graphics and blueprints, power generation, hydraulics and industrial safety. Chelan County PUD supports the Energy Technology certificate program, but states the certificate does not guarantee that participants will get a job with the utility.

Contact Wenatchee Valley College for additional information about this program.



## Associate of Technical Science

Chelan County PUD and Wenatchee Valley College have designed an Associate of Technical Science (ATS) Degree program to provide journey-level workers with an opportunity to pursue a two-year college degree. Candidates may enroll in the ATS Degree Program while participating in Chelan County PUD's apprenticeship program. A graduate of this program will have attained his/her degree through a combination of technical skills obtained through Chelan County PUD's apprenticeship program and instruction received in related education and elective courses. This includes a minimum of 6,000 clock hours and the theory and practical applications learned in apprenticeship-related courses (at least 432 clock hours)

**Total Credits Required for ATS Degree** **30**

Procedure for Applying

1. Contact HR in regards to educational reimbursement.
2. Contact the Workforce Education Coordinator at Wenatchee Valley College, at 682-6847 for an initial appointment.

### Items to bring to your appointment:

- Certificate of completion from Chelan County PUD Apprenticeship Program or documentation of enrollment in the District's Apprenticeship Program.
  - Completed WVC Admissions Application.
  - List of prior college credits (if applicable).
3. Take Asset or Compass assessment of English and Math skills, if you have not taken English or Math courses at WVC or another college.
  4. You will then schedule another appointment with the Workforce Education Coordinator for advising information.
  5. Register for your classes.



CHELAN COUNTY

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[www.chelanpud.org](http://www.chelanpud.org)