



Oregon Renewable Energy
Joint Apprenticeship & Training Committee

To earn an Oregon Limited Renewable Energy Technician's (LRT) license, apprentices must complete 4000 hours of on-the-job training with a registered training agent, along with 288 hours of related instruction.

1st Year Related Instruction

- **APR153A: Electrician Apprentice Fundamentals**
 - 60 hrs. online, Independent Electrical Contractors (IEC) / Chemeketa Community College
 - <https://www.chemeketa.edu/programs-classes/program-finder/apprenticeship/course-descriptions/>

- **RE100: Introduction to Renewable Energy Systems**
 - 6 hrs. online, Solar Energy International
 - <https://www.solarenergy.org/courses/introduction-to-renewable-energy/>

- **PVOL101: Fundamentals of Grid-Direct Solar Design and Installation**
 - 60 hrs. online, Solar Energy International
 - <https://www.solarenergy.org/courses/solar-training-solar-electric-design-and-installation-grid-direct-online/>

- **CE523: Residential and Commercial Roof-Mounted PV Installation Safety & CE525: Large-Scale Ground-Mounted PV Installation Safety**
 - 20 hrs. online, Solar Energy International
 - <https://www.solarenergy.org/shop/package-deals/solar-safety-training-package/>

- **CE528: Hazards of Electrochemical Storage Systems in Solar + Storage Applications**
 - 4 hrs. online, Solar Energy International
 - <https://www.solarenergy.org/hazards-of-electrochemical-energy-storage-in-solar-and-storage-applications/>



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2nd Year Related Instruction:

- **PVOL202: Advanced PV Design and the 2017 National Electrical Code**
 - 60 hrs. online, Solar Energy International
 - <https://www.solarenergy.org/courses/solar-training-advanced-pv-system-design-and-the-nec-grid-direct-online/>

- **PVOL203: Fundamentals of Battery-Based PV Systems OR
PVOL350: Tools and Techniques for PV Operations and Maintenance (select one)**
 - 40 hrs. online, Solar Energy International
 - <https://www.solarenergy.org/courses/solar-training-pv-system-fundamentals-battery-based-online/>
 - <https://www.solarenergy.org/courses/solar-training-tools-techniques-operation-maintenance-online/>

- **PV Installation Professional Board Certification**
 - Passing score provides 55 hrs. of related instruction, offered through the North American Board of Certified Energy Practitioners (NABCEP)
 - <https://www.nabcep.org/certifications/nabcep-board-certifications/>

- **CE526: PV & Energy Storage and the 2020 National Electrical Code**
 - 8 hrs. online, Solar Energy International
 - <https://www.solarenergy.org/courses/the-2020-nec-pv-and-energy-storage-systems/>