



TELECOMMUNICATIONS INDUSTRY
REGISTERED APPRENTICESHIP PROGRAM

WIRELESS TECHNICIAN

Competency-Based Occupation

The Wireless Infrastructure Association (WIA) is the National Sponsor of the registered apprenticeship program known as TIRAP. Since 2017, WIA has administered National Standards of Apprenticeship along with the United States Department of Labor approved, apprentice-able occupations associated with the program. Graduates of the program receive a national, industry-recognized credential that certifies occupation proficiency and provides opportunities for career advancement.

TIRAP.ORG

OCCUPATION SUMMARY

The **Wireless Technician** (WT) is a member of a crew performing general installation, provisioning, maintenance, troubleshooting/fault isolation, and restoration activities of essential wireless systems including personal wireless communications, public safety communications, utility networks, and broadcasting.

ON THE JOB LEARNING

Skills Development

- Telecommunications Fundamentals
- Digital Communications and Internet Protocol (IP) Fundamentals
- Introduction to Microwave and Radio Transmission Systems
- Introduction to Distributed Antenna Systems (DAS)
- Understanding of Electrical/Power Systems
- Equipment/System Installation and Monitoring; Testing and Maintenance: Troubleshooting and Repair
- Job Site Management and Security
- Job Site Process and Operations
- Material Handling
- Operation of Machines, Equipment, Tools, and Software (METS)
- Electrical and Grounding Safety
- Load Securement and Knowledge of proper DOT regulations
- Introduction to Standards/Codes

CLASSROOM TRAINING (PARTIAL LIST)

- OSHA 10, First Aid/CPR
- Hazard Assessment & Communication
- RF Assessment and Exposure
- Introduction to Wireless Communications

POWERED BY

