Career Pathways Tool

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Telecommunications Career Pathways
Project Overview

Goals

- Enhance awareness of industry and careers
- Promote a broad range of career opportunities
- Recruit new workers
- Support worker advancement

Tool

- Interactive Career Maps that provide high-level overview of career opportunities in the telecom industry
  - National Data
  - State Data

Target Customer

- States
- Educational institutions
- Workforce agencies
- Underserved populations
- New hires
- Current workers seeking skill upgrade

Foundational Work Completed
Project Overview

Occupations Developed	**"Occupational Families" Created**	**Occupations Classified**	**Data Validated**
130 telecom occupations identified	Grouped occupations into four categories based on the major functions of work	Classified by education/experience level	Occupational list and families validated with TIRAP employers

The Plan

- Leverage established labor market analytics tools to produce and potentially power the data

- Provide significant additional data beyond just career pathways regarding the telecommunications career market
  - Adds value to all target stakeholders

What's Included

Interactive Job Data

A variety of interactive widgets enabling you to explore the telecommunications job market,with the ability to filter data by states and metropolitan areas.

Career Pathways

An interactive career pathway tool showing common telecommunications roles and transition opportunities between them.

Training

WIA's robust training library featuring both courses and credentialing programs.

Apprenticeship

Explore 18+ occupational telecommunications apprenticeships.

Career Pathways

Career Pathways

Career Pathways help individuals plan for personal growth, and provide guidance to educators, counselors, policy makers, and employers to prepare individuals for that growth.

This tool allows you to explore career pathways for a wide variety of job titles in the telecommunications industry. For each job title, view salary information, demand, education, experience and skills requirements; and how you might progress forward in your telecommunications career.

LEARN MORE

Select an occupational family to view potential jobs and career paths in that area.

Click on a circle to see potential career pathways to and from that job title.

Within a pathway, click View Details to see detailed data about that job title.

Career Pathways

Career pathways on this website comprise 96 occupations that represent major stepping stones within the telecommunications industry, ranging from entry-level to professional/executive level positions. As the career pathway visuals show, individuals do not always progress in a straight line, and it is possible for an individual to launch a career pathway from multiple entry points or "on ramps." For example, individuals who have already acquired related education, work experience, and/or skill sets in another industry could enter the telecommunications workplace in a mid-level role or higher.

The 96 occupations highlighted on this site are grouped into four occupational families based on their major work functions.

- **Design** occupations are involved in the strategic planning and design of telecommunications systems, whether fiber, cable, or wireless.

- **Build** occupations are responsible for the physical building of the telecommunications infrastructure.

- **Maintain** occupations operate and maintain all aspects of the infrastructure and services.

- **Support** occupations include all aspects of business administration and running of telecommunications companies.

Within each occupational family, the job titles are classified into the following levels based on requested education and/or equivalent job experience:

a. **Entry Level:** High School, Career & Technical Education (CTE), Community College, Post-Secondary Technical Training, Apprenticeship, Job Corps, In-House Training, 0-2 Years Experience.

b. **Mid-Level:** Apprenticeship, Community College, Post-Secondary Technical Training, In-House Training, Industry Certification, Internal Promotion, 3-5 Years Experience.

c. **Mid-Level Plus:** Community College, University Degree (BA/BS), In-House Training, Industry Certification, Internal Promotion, 6-8 Years Experience.

d. **Senior Level:** Advanced Degree (Masters/PhD), Senior Leadership, Internal Promotion, Specialty Engineering, 9+ Years Experience

Career Pathways

- Each occupational family
  - Occupations appear in a 4 x 6 grid, consisting of
    - Entry Level
    - Mid Level
    - Mid Level+
    - Senior Level
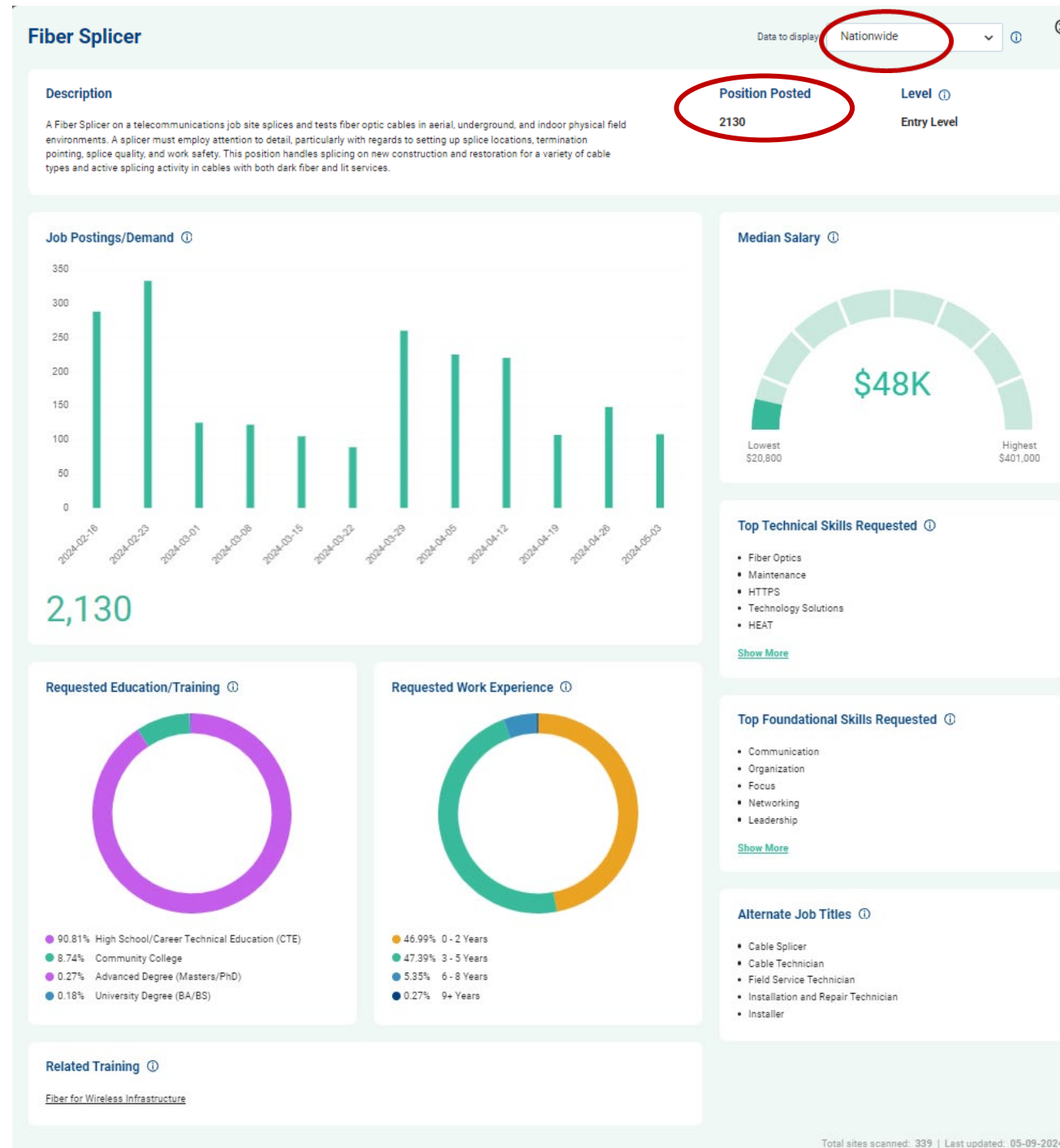 - Provides information on potential career pathways from each occupation

Example

- Fiber Splicer
  - Pathways to and from the job title are provided
  - Detailed job data is available
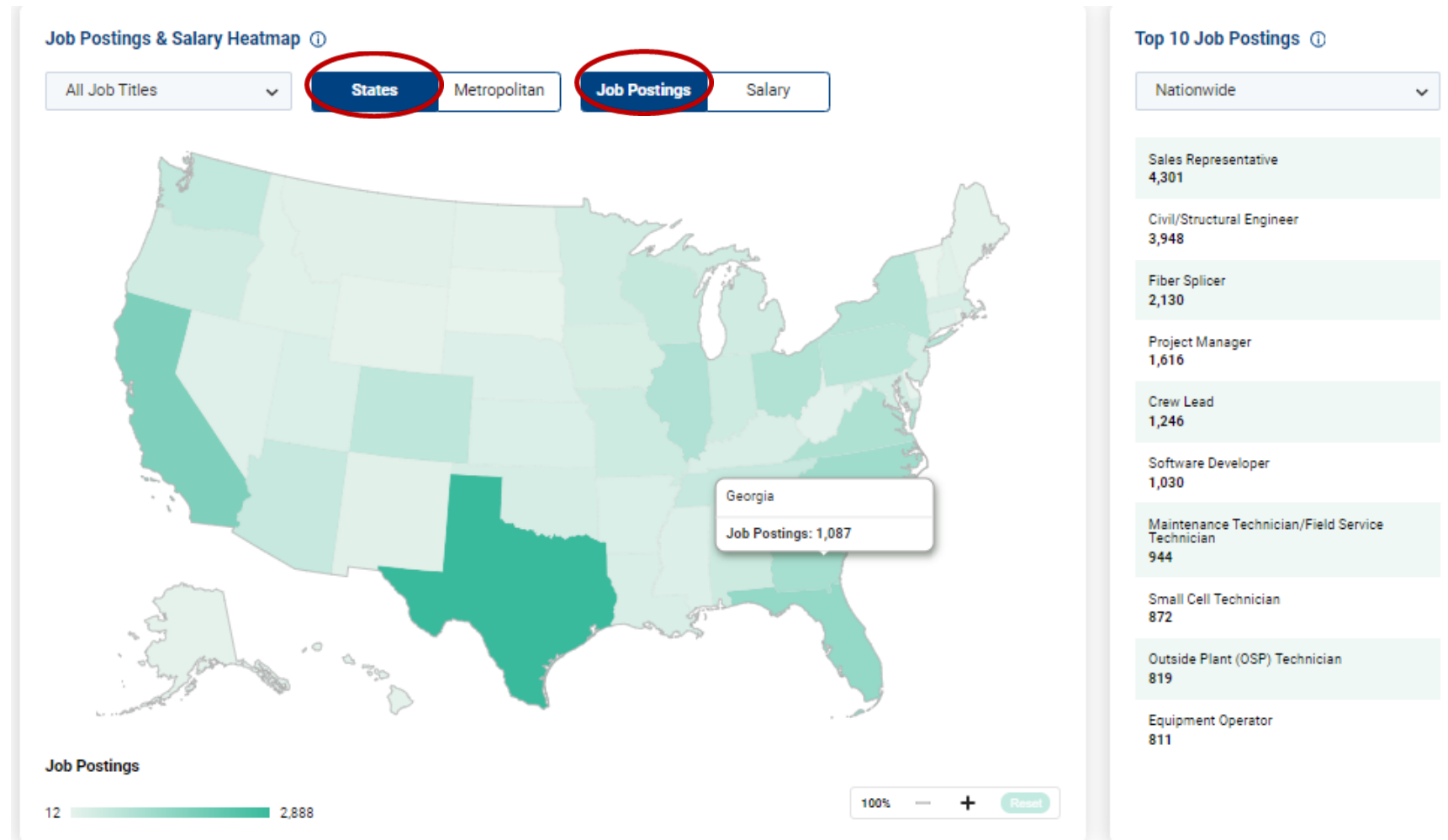
Detailed Job Data

Interactive Job Data

Interactive Job Data

Share

This tool provides valuable insights into employment trends, workforce mobility, and related data for telecommunications jobs at the national, state, and metropolitan levels through interactive charts, maps, and tables. The data on this page is sourced dynamically from job postings on telecommunications company websites.

Job Postings & Salary Heatmap ⓘ

All Job Titles ▾ | **States** | Metropolitan | **Job Postings** | Salary

Georgia
Job Postings: 1,087

Job Postings

12 ▬▬▬▬▬ 2,888

100% − + Reset

Top 10 Job Postings ⓘ

Nationwide ▾

Sales Representative
4,301

Civil/Structural Engineer
3,948

Fiber Splicer
2,130

Project Manager
1,616

Crew Lead
1,246

Software Developer
1,030

Maintenance Technician/Field Service Technician
944

Small Cell Technician
872

Outside Plant (OSP) Technician
819

Equipment Operator
811

Interactive Job Data

Job Data ⓘ

[All Job Titles ▾] [Nationwide ▾]

Job Postings/Demand ⓘ

26,780

Job Title	Rank
Sales Representative	#1
Civil/Structural Engineer	#2
Fiber Splicer	#3
Project Manager	#4
Crew Lead	#5

1-5 of 74 ‹ ›

Requested Education/Training ⓘ

- 38.59% High School/Career Technical Education (CTE)
- 6.62% Community College
- 12.99% Advanced Degree (Masters/PhD)
- 41.8% University Degree (BA/BS)

Requested Years of Experience ⓘ

- 34.59% 0 - 2 Years
- 37.97% 3 - 5 Years
- 15.58% 6 - 8 Years
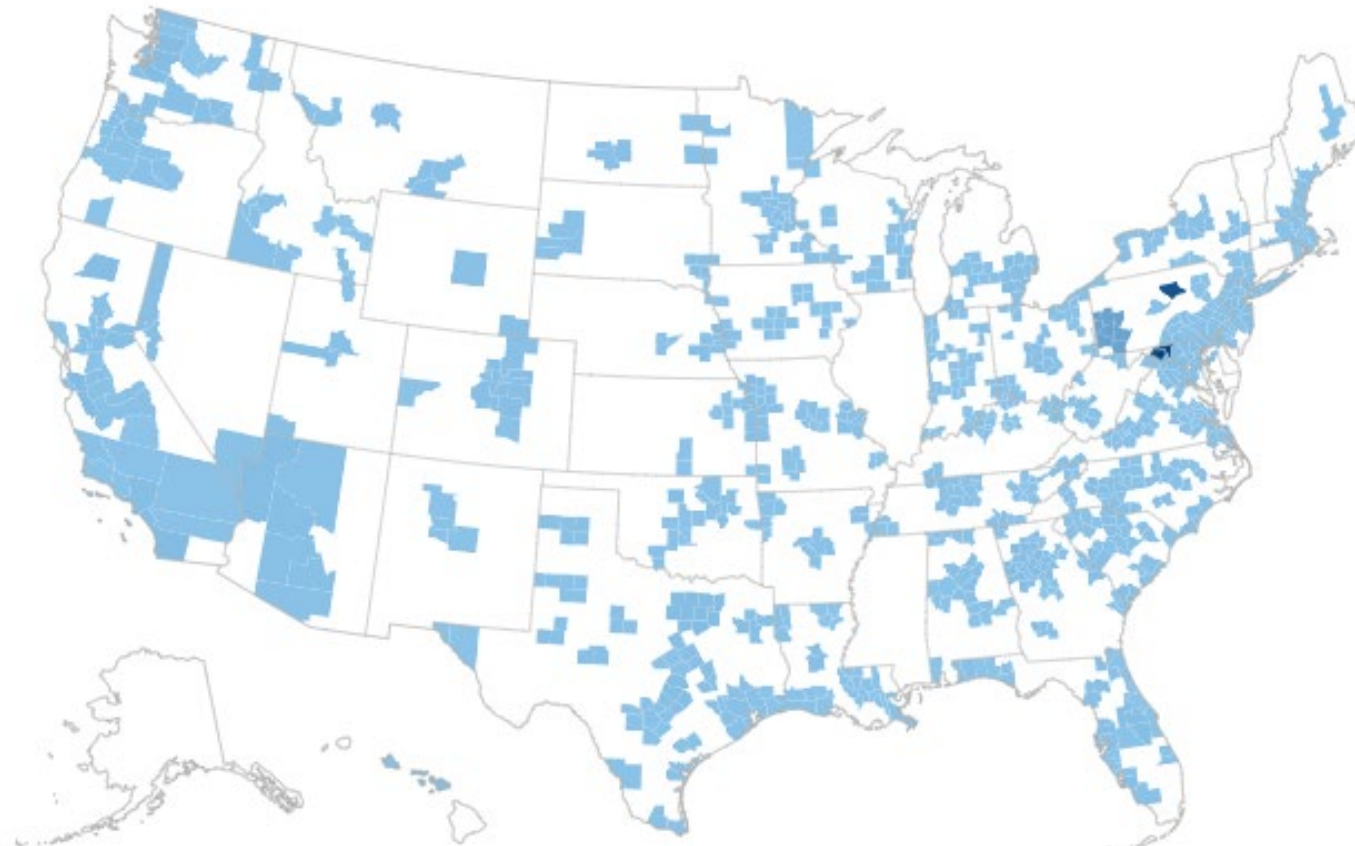- 11.85% 9+ Years

Interactive Job Data