

Telecommunications Line Installers



Occupational Profile

DOES THIS DESCRIBE YOU?

Work Interests involve descriptive categories (compatible with Holland's Model) attributed to success in this career:

- **Enterprising**—Involves starting up and carrying out projects; often leading people and making business decisions that sometimes require risk.
- **Realistic**—Involves work activities that include practical, hands-on problems and solutions; often dealing with plants, animals, and real-world materials like wood, tools, and machinery.

Work Styles depict worker characteristics conducive for this career:

- **Dependability**
- **Attention to Detail**
- **Cooperation**
- **Self Control**
- **Integrity**

Work Values are associated with aspects of work that provide satisfaction in this career:

- **Support**—Management backing.
- **Relationships**—Provide service to others in noncompetitive environment.
- **Independence**—Autonomy; working on your own.

Aptitudes reflect an ability to acquire skills and knowledge for success in this career:

- **Near Vision**
- **Oral Comprehension**
- **Oral Expression**
- **Arm-Hand Steadiness**
- **Extent Flexibility**

OVERVIEW

Install and repair telecommunications cable, including fiber optics. Belongs to the Arts, Audio-Video Technology and Communication career cluster and Telecommunications Technologies career pathway.

SKILLS & KNOWLEDGE NEEDED

Basic Skills:

- Complex Problem Solving
- Operation Monitoring
- Active Listening
- Speaking
- Critical Thinking

Technology Skills:

- Enterprise Resource Planning Software
- Office Suite Software
- Operating System Software
- Spreadsheet Software
- Word Processing Software

Knowledge:

- Telecommunications
- Customer and Personal Service
- English Language
- Public Safety and Security
- Computers and Electronics

ESTIMATED & PROJECTED EMPLOYMENT

Occupational Title	2014 Estimated Employment	2024 Projected Employment	2014-24 Employment Change	Annual Growth Rate (%)	Total Annual Openings
Total, All Occupations	1,795,100	1,949,240	154,140	0.9	58,145
Installation, Maintenance, & Repair Occupations	70,155	77,670	7,510	1.1	2,385
Telecommunications Line Installers & Repairers	1,190	1,325	135	1.1	35

Source: <https://www.iowaworkforcedevelopment.gov/occupational-projections>

2017 WAGE & SALARY (\$)

Occupational Title	Mean Wage	Mean Salary	Entry Wage	Entry Salary	Exp Wage	Exp Salary
Total All Occupations	20.93	43,539	10.09	20,991	26.35	54,813
Installation, Maintenance, & Repair Occupations	21.36	44,429	13.63	28,357	25.22	52,466
Telecommunications Line Installers & Repairers	21.31	44,331	14.37	29,900	24.78	51,547

Source: <https://www.iowaworkforcedevelopment.gov/occupational-employment-and-wages>

EDUCATION & TRAINING

Education

High School Diploma

Work Experience

None

Job Training

Long-Term On-The-Job

A diploma is required for most telecom line installer positions with training received from vocational schools, industry-based programs, and/or apprenticeships. Sources: <https://www.iowaworkforcedevelopment.gov/occupational-projections>, https://www.bls.gov/emp/ep_education_training_system.htm, and <https://www.dol.gov/apprenticeship/>

NATIONAL CAREER READINESS CERTIFICATE (NCRC)

Skill	Median Skill Level	Minimum Skill Level	Maximum Skill Level
Applied Mathematics	3	3	4
Locating Information	4	3	5
Reading for Information	4	3	6
Applied Technology	4	4	5
Business Writing	2	2	3
Workplace Observation	2	2	3
Listening for Understanding	2	1	4

An ACT assessment-based credential issued in determining essential work skills needed for employment success across industries and occupations. The greater the score, the greater the skill level (Bronze = 3, Silver = 4, Gold = 5, Platinum = 6 & higher). Source: <http://www.act.org/content/act/en/products-and-services/workkeys-for-employers/assessments.html>

PRIMARY INDUSTRY SECTORS

(Where are Telecommunications Line Installers Employed?)

Telecommunications
Specialty Trade Contractors
Heavy and Civil Engineering Construction
Self Employed
Utilities

Source: <https://www.iowaworkforcedevelopment.gov/occupational-projections>



ADDITIONAL SOURCES:

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