

Telecommunications Line Installers



Occupational Profile

SKILLS YOU NEED

Basic Skills:

- Reading Comprehension
- Active Listening
- Speaking
- Critical Thinking
- Active Learning
- Learning Strategies
- Monitoring

Transferable Skills (applicable in other careers):

Medium level

- Collecting and recording meter and gauge readings
- Explaining electrical-electronic operations and problems
- Following written repair work orders
- Observing and diagnosing electrical/electronic problems
- Operating earth moving or drilling equipment
- Repairing large fixed structures and objects
- Using electrical repair hand and power tools
- Using electrical/electronic testing instruments

Workplace Skills:

Medium level

- Complex Problem Solving
- Equipment Maintenance
- Judgment and Decision Making
- Operation and Control
- Operation Monitoring
- Social Perceptiveness
- Troubleshooting

Additional skills for this occupation may be found at <http://www.iowaworkforcedevelopment.gov/career-exploration-resources>

WHAT THEY DO

Strings and repairs telephone and television cables, including fiber optics and other equipment for transmitting messages or television programming. Belongs to the Arts, Audio-Video Technology and Communications cluster and Telecommunications pathway.

IS THIS FOR YOU?

Work Interests are described in the following categories (compatible with Holland's Model) by people who tend to succeed in this career:

- **Realistic** – You are a "doer". You like physical activities and projects. You like to find the answers to problems by doing hands-on work instead of talking about solutions.

Work Values are aspects of work that are satisfying to you. The following work values are generally associated with this career.

- **Support**—It's very important to you to know the company stands behind its workers and has competent, considerate and fair management.
- **Working Conditions**—It's very important to you that your work satisfies your needs in areas like salary, job security, and your working style preferences, such as working alone, staying busy all the time or having variety in your tasks.

Aptitudes reflect a person's ability to acquire skills and knowledge. The following aptitudes are important for success in the career:

- **General Learning Ability**
- **Form Perception**
- **Manual Dexterity**

Source: <https://secure.ihaveaplaniowa.gov/>

ESTIMATED & PROJECTED EMPLOYMENT

Occupational Title	2012 Estimated Employment	2022 Projected Employment	2012-22 Employment Change	Annual Growth Rate (%)	Total Annual Openings
Total, All Occupations	1,758,205	1,955,480	197,275	1.1	61,665
Installation, Maintenance, & Repair Occupations	68,585	76,810	8,225	1.2	2,420
Telecommunications Line Installers & Repairers	1,180	1,340	165	1.4	45

Source: <http://www.iowaworkforcedevelopment.gov/occupational-projections-0>

2015 WAGE & SALARY (\$)

Occupational Title	Average Wage	Average Salary	Entry Wage	Entry Salary	Experienced Wage	Experienced Salary
Total, All Occupations	19.77	41,122	9.55	19,858	24.88	51,755
Installation, Maintenance, & Repair Occupations	20.43	42,500	13.17	27,387	24.07	50,056
Telecommunications Line Installers & Repairers	20.38	42,394	14.13	29,389	23.51	48,896

Source: <http://www.iowaworkforcedevelopment.gov/occupational-projections-0>

EDUCATION & TRAINING

Education	Work Experience	Job Training
High School Diploma	None	Long-Term On-The-Job

Line installers and repairers usually need at least a high school diploma. Some also prefer to hire people with technical knowledge of electricity or electronics obtained through vocational programs, community colleges, or the Armed Forces. Programs in telecommunications, electronics, or electricity, many of which are operated with assistance from local employers and unions, are offered by many community or technical colleges. Some programs work with local companies to offer 1-year certificates that emphasize hands-on field work. More advanced 2-year associate degree programs provide students with a broader knowledge of the technology used in telecommunications and electrical utilities. Line installers and repairers working for telephone and cable television companies receive several years of on-the-job training. They also may attend training or take online courses provided by equipment manufacturers, schools, unions, or industry training organizations. **Approved apprenticeship programs/sponsors in Iowa can be found at http://access.bridges.com/ext/cp/custom_state_data/iowa_apprenticeship/4990520.htm**

Source: <http://www.iowaworkforcedevelopment.gov/occupational-projections-0> and <https://secure.ihaveaplaniowa.gov/>

NATIONAL CAREER READINESS CERTIFICATE (NCRC)

Skill	Median Skill Level
Applied Mathematics	3
Locating Information	4
Reading for Information	4

This ACT-developed credential demonstrates achievement and a certain level of workplace employability skills. The greater the score, the greater the skill level (Bronze = 3, Silver = 4, Gold = 5, Platinum = 6).

Source: <http://www.act.org/workkeys/analysis/occup.html>

PRIMARY INDUSTRY SECTORS

(Where are Telecommunications Line Installers Employed?)

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



ADDITIONAL SOURCES:

Source: <http://www.iowaworkforcedevelopment.gov/occupational-projections-0>

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