



# CAREER PATH Industrial & Engineering Technology

CAREER CLUSTER  
**Architecture and Construction**

CAREER PATHWAY  
**Maintenance and Operations**



## TELECOMMUNICATIONS LINE INSTALLER/REPAIRER

String and repair telephone and television cable, including fiber optics and other equipment for transmitting messages or television programming.

### Knowledge and Skills Needed

In addition to courses required for high school graduation, essential skills and knowledge needed for a career as a telecommunications line installer and repairer are reinforced by taking rigorous and relevant courses, as well as participating in work-based experiences and student organization activities.

*(See the Sample Personal Plan of Study for suggested coursework, activities, and knowledge and skills to pursue in preparation of an occupation in this Career Cluster.)*

### Education Requirements

Occupation	Percent of Missouri employees aged 25 to 44 in the occupation whose highest level of educational attainment is:		
	High School or Less	Some College	Bachelor Degree or More
Telecommunications line installers and repairers	47.9%	44.2%	7.9%
Other installation, maintenance and repair occupations	54.2%	38.8%	7.0%
Installation, maintenance and repair	54.6%	38.9%	6.4%

Most Common Educational Level: Long-term on-the-job training

Note: Be sure to learn whether your occupation has a specific requirement for education or licensing. Apprenticeships are available for more than 240 occupations. Visit [www.oe.doleta.gov/bat.cfm](http://www.oe.doleta.gov/bat.cfm)

### National and State Wage Information

Location	Pay Period	2007		
		Entry*	Median	Experienced**
United States	Hourly	\$15.86	\$22.70	\$28.92
	Yearly	\$33,000	\$47,200	\$60,200
Missouri	Hourly	\$16.21	\$23.51	\$27.90
	Yearly	\$33,700	\$48,900	\$58,000

Based on (\*) lower 25% and (\*\*) upper 25% percentile of wages

### National and State Employment Trends

Telecommunications Line Installer	Employment		Percent Change	Job Openings*
	2006	2016		
United States	162,300	169,800	+ 5%	4,970
Missouri	4,090	4,450	+ 9%	140

\*The estimate for Job Openings includes both turnover that results from people who leave the occupation (e.g. quit, retire, death) and new jobs that are created.

### Educational Opportunities

*Note: This list may not be all inclusive. For more information about Missouri schools and programs, visit [www.dhe.mo.gov](http://www.dhe.mo.gov)*

#### ITT Technical Institute - Arnold

Arnold, MO  
(636) 464-6600  
[www.itt-tech.edu](http://www.itt-tech.edu)

#### ITT Technical Institute - Earth City

Earth City, MO  
(314) 298-7800  
[www.itt-tech.edu](http://www.itt-tech.edu)

#### Ranken Technical College

St. Louis, MO  
(866) 472-6536  
[www.ranken.edu](http://www.ranken.edu)

#### Waynesville Technical Academy

Waynesville, MO  
(573) 774-6106  
[waynesville.k12.mo.us/Schools/WTA](http://waynesville.k12.mo.us/Schools/WTA)



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