

ELECTRICAL LINE WORKER CERTIFICATE

The Electrical Line Worker Certificate Program (ELW) prepares students to install maintain and operate line systems which supply electric energy, as well as other electrical/technological services to residential, commercial and industrial customers. This entry-level certification program includes classroom, lab and field instruction in electricity, pole climbing, overhead and underground line installation, as well as OSHA and industry safety standards.

A certified graduate of the FPCC Electrical Line Worker Program will have the potential for employment as a Pre-Apprentice level line technician, and telephone line technician, a technician in electricity generating plants or installer/maintainer of overhead and underground transmission systems. Graduates will be able to work as construction, operations and maintenance technicians on various electric power systems and other technical equipment.

Related Instruction Requirements		Credits
Communications	WRIT 104 Workplace Communications	3
Health	HLTH 106 Focus on Health	1
Human Relations	HS 100 Human Relations	1
Mathematics	M 111 Technical Mathematics	3
Native American Studies	NASX (one course)	1
Technology	CAPP (one course)	1

Total Related Instruction credits required for certificate **10**

Electrical Line Worker Certificate Program of Study		Credits
ELW 101	Line Work Fundamentals & Lab	4
ELW 110	Electrical Lines/Equipment & Lab	4
ELW 112	Equipment Competencies	2
ELW 115	Basic Climbing Skills	3
ELW 116	Safety Fundamentals Certification	2
ELW 280	Special Problems Crs & Climbing Competencies	2
SCI 106	Electrical Fundamentals	3

Total Program of Study credits required for certificate **20**

Total credits required for certificate **30**

Electrical Line Worker Program Learning Outcomes

- Learn theory, safety, construction methods, testing, and repair of overhead and underground distribution.
- Have an understanding of the design and construction of transmission and distribution overhead lines and hands on training utilizing equipment tools and testing equipment used in line work.
- Become proficient at climbing wood poles and steel towers, and the use/care of climbing equipment.