

Powerline Technology, A.A.S.

Western Wyoming Community College offers the only **Powerline Technology** program in Wyoming. Employment opportunities are available with rural electric cooperatives, municipal and private utility companies, private contractors and many others. Course material and lab activities are based around the application and theory of distribution and transmission of electrical power. Fieldwork includes operating a digger derrick truck, setting poles, climbing poles, installing anchors and stringing conductors. **A Class A CDL is a graduation requirement for this program.**

Physical fitness is an important part of the job of an electrical line worker. A careful, detail-oriented personality is also a good quality to possess since individuals will be working with high voltage, often in dangerous situations and bad weather conditions. Safety is a major element of lineworker training. Line work is extremely challenging as the type of projects, conditions and work locations change frequently. Lineworkers perform tasks in an outdoor environment subjected to various weather conditions such as extreme heat or in freezing temperatures in the rain, sleet, wind and snow. The work is done in both overhead and underground lines with the overhead work typically done at heights more than 25 feet above the ground. Lineworkers are often on call at any hour to restore power.

Degree Requirements

Freshman Year - Fall Semester

▪ TECH 1600 - Industrial Safety	Credits: 3	
▪ ELTR 1520 - DC Electricity	Credits: 3	
▪ ELTR 1530 - AC Electricity	Credits: 3	
▪ POLT 1510 - Powerline Technology I	Credits: 3	
▪ POLT 1520 - Powerline Technology II	Credits: 3	<i>Subtotal: 15</i>

Freshman Year - Spring Semester

▪ TECH 1680 - Reading Technical Schematics	Credits: 3	
▪ TECH 1000 - Introduction to Technical Math	Credits: 3	
▪ POLT 1530 - Powerline Technology III	Credits: 3	
▪ POLT 1540 - Powerline Technology IV	Credits: 3	
▪ ELTR 2820 - Power Distribution	Credits: 3	<i>Subtotal: 15</i>

Sophomore Year - Fall Semester

▪ ENGL 1010 - English Composition	Credits: 3	
▪ PHYS 1050 - Concepts of Physics	Credits: 4	
▪ COMM 1030 - Interpersonal Communications	Credits: 3	
▪ HLED 1221 - Standard First Aid & CPR	Credits: 2	
▪ CMAP 1200 - Computer Information Systems	Credits: 3	<i>Subtotal: 15</i>

Sophomore Year - Spring Semester

▪ ENGL 2005 - Writing in Technology & the Sciences	Credits: 3	
▪ MGT 1000 - Introduction to Supervision	Credits: 3	
▪ HLED Elective - Additional HLED Course	Credits: 3	
▪ POLS 1000 - American & Wyoming Government	Credits: 3	
▪ ELTR Elective - Additional ELTR Course	Credits: 3	<i>Subtotal: 15</i>

Total Credit Hours: 60