

Program for One-Year Certificate in Electrical Mine Maintenance

This certificate is designed to prepare students for a career in the electrical maintenance field in the mining industry. To receive this certificate students must complete all courses listed below.

DC Electricity (ELTR 1520)4
 Instrumentation (ELTR 1840)4
 Industrial Controls (ELTR 2840)4
 Basic Electricity - AC (ELTR 1530).....4
 Intro to Solid State Electronics (ELTR 1700).....4
 Advanced Instrumentation (ELTR 2885).....4
 Programmable Logic Controllers (ELTR 2880)4
 Process Control Techniques: Instrument System
 Maintenance (ELTR 1035).....3
 Power Distribution (ELTR 2820).....3
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Purpose and goals of Industrial Maintenance and Mining Technology

- Provide a complete training center for those individuals interested in industrial maintenance / mine maintenance as a career.
- Provide training on campus and on-site for those individuals who are presently employed in the industry and need up-graded skills training.
- Provide the local industry with advanced training and assessment for hiring and upgrading their employees.
- Provide flexible scheduling of courses for easy access to non-traditional and shift workers.

Oil & Gas Production Technology

The Oil & Gas Production Technology Program offers students core courses related to Process Operations. It is designed to develop technical knowledge regarding gas operations, and prepare students to develop careers as Production Technicians in the natural gas industry.

Suggested Program for A.A.S. Degree in Oil & Gas Production Technology

FRESHMAN YEAR			
Fall Semester	Credits	Spring Semester	Credits
English 1 (ENGL 1010).....	3	Technical Writing (ENGL 2010).....	3
Health & Human Activity.....	1	*Oil and Gas Production II (OGPT 1520).....	3
*Plant Operation I (PLOP 1510).....	3	*Oil and Gas Production III (OGPT 1530).....	3
Industrial Safety (TECH 1600).....	3	*Oil & Gas Pump Technology (OGPT 1515).....	3
*Oil & Gas Production I (OGPT1510).....	3	*Pneumatics (INDM 1590).....	3
Blueprint Reading (TECH 1680).....	3	First Aid & CPR (HLED 1225).....	2
	16		17

SUMMER SESSION

Summer Internship (OGPT 2470) 1 to 3 variable (Optional)

SOPHOMORE YEAR

Fall Semester	Credits	Spring Semester	Credits
Amer. & Wyo. Gov't (POLS 1000)	3	Computer Info. Systems (COSC 1200).....	3
Interpersonal Comm (COMM 1030)	3	Health & Human Activity	1
Preventive Maintenance (INDM 1560)	3	*Advanced Instrumentation (ELTR 2885).....	4
Principles of Technology (PHYS 1080).....	4	Directly Related Electives.....	6
*Instrumentation (ELTR 1840).....	4	Assessment.....	1
	17		15

*Required to earn A.A.S. in Oil & Gas Production Technology

Plant Operators

An operator in industry is an individual who operates the mechanical device used in a particular process. The operators responsibility is to monitor, troubleshoot, adjust and make slight repairs of the equipment used in a process. Operators in Southwest Wyoming are used in the soda ash, fertilizer, electrical power plants, and gas plants.

Program for One-Year Certificate in Plant Operations

Plant Operator I (PLOP 1510)	3
Plant Operator II (PLOP 1520).....	3
Plant Operator III (PLOP 1530).....	3
Basic Electricity (ELTR 1520).....	4
Instrumentation (ELTR 1840).....	3
Industrial Safety (TECH 1600).....	3
Industrial Pneumatics (INDM 1590)	3
Industrial Hydraulics (INDM 1570)	3
Blueprint Reading (TECH 1680).....	3
Intro to Technical Mathematics (TECH 1000)	3
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Program for A.A.S. Degree in Plant Operations

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English I (ENGL 1010).....	3	Technical Writing (ENGL 2010).....	3
Principles of Technology (PHYS 1080).....	4	*DC Electricity (ELTR 1520)	4
*Plant Operations I-III (PLOP 1510-1530)	9	Indus. Hydraulics (INDM 1570).....	3
*Industrial Safety (TECH 1600).....	3	*Indus. Pneumatics (INDM 1590).....	3
	19	*Blueprint Reading (TECH 1680)	3
			16

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Amer. & Wyo. Gov't. (POLS 1000)	3	Computer Info. Systems (COSC 1200).....	3
Humanities/App. Arts/Soc. Science.....	3	Health & Human Activity	1
Preventive Maintenance (INDM 1560)	3	*Basic Instrumentation (ELTR 1840)	4
T&I Electives	6	Electives	6
Health & Human Activity	1		
	16		14

*Required courses to receive A.A.S. in Plant Operations.