NATURAL GAS COMPRESSION

Associate of Applied Science Degree

SCHOOL OF ENERGY • 800 South Hutton • Farmington, NM 87401 • 505.327.5705

The Natural Gas Compression Associate of Applied Science degree program is designed to provide technically oriented entry-level employees with basic knowledge and skills of gas compression equipment and maintenance required to efficiently and safely maintain, trouble shoot, and operate compression packages in their area of responsibility. They are responsible for the safe, efficient, and reliability of their compressor sites. The compression technician skills and abilities have a direct impact on production levels and profits. **Instructor approved admission requirement**.

NOTE: A student must earn a grade of a "C" or higher in all courses to obtain a degree.

Core Courses:

				AAS	**Cert.**
1st Semester					
_____	COMP	113	Natural Gas Engine Theory	3	3
_____	COMP	112	Natural Gas Engine Repair/Overhaul	5	5
_____	COMP	121	Natural Gas Engine Preventative Maintenance	2	2
_____	COMP	122	Natural Gas Engine Auxiliary Equipment	2	2
_____	COMP	126	Natural Gas Electrical Diagnostics	2	2
_____	COMP	124	Natural Gas Engine Trouble Shooting	2	2
_____	SAFE	139	Composite Safety Training	3	3
				Total 19	**19**
2nd Semester					
_____	COMP	190	Natural Gas Compression Cooperative Work Experience	6	6
_____	COSC	125	Business Microcomputer Applications **OR**		
_____	COSC	137	Energy Industry Microcomputer Applications	3	3
_____	COMP	233	Natural Gas Compression Theory	2	2
_____	COMP	234	Natural Gas Compression Repair/Overhaul	2	2
_____	COMP	235	Natural Gas Compression Preventative Maintenance	2	2
_____	COMP	236	Natural Gas Compression Troubleshooting	2	2
_____	COMP	256	Natural Gas Basic Instrumentation and Controls	2	2
				Total 19	**19**
			Total Certificate Credit Hours	**38**	**38**

3rd Semester
Summer Session

_____	GEOL	110	Introduction to Geology **OR**	
_____	GEOL	120	Introduction to Petroleum Geology	4
_____	ENGL	111	Freshman Composition **OR**	
_____	ENGL	118	Technical Composition	3
_____	COMP	281	Cooperative Work Experience II **OR**	9

Select 9 credits from the following programs:
Industrial Maintenance Mechanic
Industrial Process Operator
Natural Gas Compression
Occupational Safety

OR Select 9 credits from the following areas:

Humanities and Fine Arts

MUSI 110	3
THEA 110	3
PHIL 110	3
HIST 211, 212	3

Social Sciences

ECON 251, 252	3

Science

BIOL 110, 112, 122	3
CHEM 110, 111, 112	3
PHYS 111	3

Total 16

In addition, the following courses must be completed to earn the Associate's Degree. They can be taken **before, after or in conjunction** with the core classes.

4th Semester

_____	ENGL	218	Advanced Technical Composition **OR**	3
_____	ENGL	211	Advanced Composition	3
_____	_____	___	Social/Behavioral Science Elective*	3
_____	MATH	113	Applied Mathematics for Vocational Students **OR**	3
_____	MATH	115	Applied Mathematics for Vocational Students	4
	COMM	111	Interpersonal Communication **OR**	
_____	COMM	120	Business and Professional Communication	3

Total 12 or 13

Total credit hours required for this degree is 66.0 or 67.0