

INDUSTRIAL MAINTENANCE MECHANIC

Associate of Applied Science Degree

Catalog 2010-2011

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

This program is designed to prepare students for entry-level positions as maintenance mechanics, maintenance technicians and operator technicians of power generation, mining, natural gas, refinery, water treatment, semiconductors, petrochemical, and pharmaceutical processes.

Students will gain hands on experience and experience on the following equipment and systems: pump rebuilding, pump alignment, fabrication, hydraulics, vibration analysis, rigging, measurement tools, piping systems, lubrication, mechanical drives and welding.

Note: A student must earn a grade of "C" or higher for courses to count toward a degree.

					Credit Hours	Grade
1st Semester						
_____	ENGL	118	Technical Composition		3	_____
_____	IPOP	110	Introduction to Process Technology		4	_____
_____	IPOP	130	Safety, Health and Environment		4	_____
_____	IPOP	133	Process Technology I - Equipment		4	_____
_____	MATH	113	Math for Technical Careers		<u>3</u>	_____
				Total	18	
2nd Semester						
_____	COSC	125	Business Microcomputer Applications		3	_____
_____	ENGL	218	Advanced Technical Composition		3	_____
_____	IPOP	135	Maintenance Overview for Operators		4	_____
_____	IPOP	160	Introduction to Instrumentation		4	_____
_____	IPOP	165	Process Technology II - Systems		<u>4</u>	_____
				Total	18	
3rd Semester						
_____	COMM	110	Public Speaking OR			
_____	COMM	111	Interpersonal Communications		3	_____
_____	MECH	235	Mechanical Drives 1		4	_____
_____	MECH	236	Lubrication		1	_____
_____	MECH	237	Hydraulics 1		2	_____
_____	MECH	261	Pumps 1		4	_____
_____	MECH	262	Piping Systems		2	_____
_____	PHYS	111	Introduction to Physics		<u>4</u>	_____
				Total	20	
4th Semester						
_____	MECH	263	Mechanical Drives 2		4	_____
_____	MECH	264	Rigging		2	_____
_____	MECH	265	Hydraulics 2		2	_____
_____	MECH	266	Pumps 2		2	_____
_____	MECH	267	Maintenance Project		2	_____
_____	WELD	111	Basic Welding		2	_____
_____	_____	_____	Humanities/Social Science Elective*		<u>3</u>	_____
				Total	17	

Total credit hours required for this degree is 73

* See page 37 for Humanities/Social Science Elective, 2010-2011 San Juan College catalog.