

INDUSTRIAL PROCESS OPERATOR

Associate of Applied Science Degree

Catalog 2009-2010

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

The Industrial Process Operator program is designed to prepare students for entry-level positions as operator of power generation, natural gas, refinery, petrochemical or pharmaceutical processes. Process operators are employed by plants that produce products such as electricity, commodity gases (natural gas, propane, butane) gasoline, diesel fuel, industrial chemicals, plastics, ultra pure water, pharmaceuticals and other such products.

Students will train on functional processes with hands on experience with multiple working plants that are typical of the process plants of the San Juan Basin. Safety practices, procedures and regulatory compliance as well as industrial hygiene, and environmental stewardship are integrated throughout the program. This hands-on approach along with process theory presented by instructors with industry experience will thoroughly prepare graduates for entry-level operator positions.

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	Applied Mathematics for Vocational Students	<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					
_____	CHEM	110	Introductory Chemistry	4	_____
_____	IPOP	235	Process Technology III - Operators	4	_____
_____	IPOP	261	Distributed Control Systems	4	_____
_____	IPOP	262	Process Troubleshooting Systems	4	_____
_____	SPCH	110	Public Speaking OR		
_____	SPCH	111	Interpersonal Communications	<u>3</u>	_____
				Total 19	
4th Semester					
_____	_____	_____	Humanities/Social Science Elective*	3	_____
_____	IPOP	263	Gas Processing and Refining	4	_____
_____	IPOP	264	Environmental Processes	4	_____
_____	IPOP	265	Electrical Power Generation	4	_____
_____	PHYS	111	Introduction to Physics	<u>4</u>	_____
				Total 19	

Total credit hours required for this degree is 74

* See page 45, Humanities and Social Science Elective, 2009-2010 San Juan College catalog.