

# INDUSTRIAL PROCESS OPERATOR

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 operators 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, etc.

A 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
<b>1st Semester</b>					
_____	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
<b>2nd Semester</b>					
_____	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
<b>3rd Semester</b>					
_____	CHEM	110	Introductory Chemistry	4	_____
_____	COMM	110	Public Speaking <b>OR</b>		
_____	COMM	111	Interpersonal Communications	3	_____
_____	IPOP	235	Process Technology III - Operators	4	_____
_____	IPOP	261	Distributed Control Systems	4	_____
_____	IPOP	262	Process Troubleshooting Systems	<u>4</u>	_____
				Total	19
<b>4th Semester</b>					
_____	IPOP	263	Gas Processing and Refining	4	_____
_____	IPOP	264	Environmental Processes	4	_____
_____	IPOP	265	Electrical Power Generation	4	_____
_____	PHYS	111	Introduction to Physics	4	_____
_____	_____	_____	Humanities/Social Science Elective*	<u>3</u>	_____
				Total	19

Total credit hours required for this degree is 74

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