

**INDUSTRIAL PROCESS OPERATOR  
ASSOCIATE OF APPLIED SCIENCE  
Catalog 2005-2007**

The Industrial Process Operator 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 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.

				<b>Credit Hours</b>	<b>Grade</b>
<b>1st Semester</b>					
___	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	3	_____
___	ENGL	118	Technical Composition	3	_____
				Total 18 credits	
<b>2<sup>nd</sup> Semester</b>					
___	IPOP	135	Maintenance Overview for Operators	4	_____
___	IPOP	160	Introduction to Instrumentation	4	_____
___	IPOP	165	Process Technology II - Systems	4	_____
___	ENGL	218	Advanced Technical Composition	3	_____
___	COSC	125	Business Microcomputer Applications	3	_____
				Total 18 credits	
<b>3<sup>rd</sup> Semester</b>					
___	IPOP	235	Process Technology III - Operators	4	_____
___	IPOP	261	Distributed Control Systems	4	_____
___	IPOP	262	Process Troubleshooting Systems	4	_____
___	CHEM	110	Introductory Chemistry	4	_____
___	SPCH	110	Public Speaking <b>OR</b>		_____
___	SPCH	111	Interpersonal Communications	3	_____
				Total 19 credits	
<b>4<sup>th</sup> Semester</b>					
___	IPOP	263	Gas Processing and Petroleum Refining	4	_____
___	IPOP	264	Environmental Processes	4	_____
___	IPOP	265	Electrical Power Generation	4	_____
___	PHYS	111	Introduction to Physics	4	_____
___	_____	___	Humanities/Social Science Elective	3	_____
				Total 19 credits	

**Total credit hours required for this degree is 74**