

**ASSOCIATE OF APPLIED SCIENCE
INSTRUMENTATION AND CONTROLS TECHNOLOGY 2009**

The classes in this program prepare students for careers as Instrumentation and Control Technicians. In the San Juan Basin students with this degree are in demand to work in jobs such as automation technician in the oil field, controls technician at local electric utility plants and refineries, and automation technicians for manufacturing. An Instrumentation and Controls technician will have a background in electrical, electronics and instrumentation disciplines.

NOTE: A student must earn a grade of 'C' or higher in all courses in order to receive a degree or certificate.

			Credits		
			Hours	Grade	
1st Semester					
___	COSC	125	Business Microcomputer Applications	3	_____
___	ENGL	118	Technical Composition	3	_____
___	INST	140	Applied Basic DC Circuits	3	_____
___	MATH	113	Applied Math for Voc Students	3	_____
___	SPCH	111	Interpersonal Communications	3	_____
2nd Semester					
___	INST	145	Applied Basic AC Circuits	3	_____
___	INST	190	Principles of Industrial Measurement	5	_____
___	INST	160	Digital Electronics	5	_____
___	PHYS	111	Introduction to Physics	4	_____
Summer Session					
___	ENGL	218	Advanced Technical Composition	3	_____
___	INST	235	Electromechanical Devices	5	_____
3rd Semester					
___	INST	144	National Electrical Code	3	_____
___	INST	171	Motor and Controls	5	_____
___	INST	180	Semiconductor Circuits I	5	_____
___	INST	271	PLC Applications	5	_____
4th Semester					
___	INST	220	Process Control I	5	_____
___	INST	284	Print Interpretation	3	_____
___	INST	265	Industrial Wiring	4	_____
___	_____	_____	Humanities/Social Science Elective	3	_____

Total credit hours required for this degree is 73