

INSTRUMENTATION AND CONTROLS TECHNOLOGY

Associate of Applied Science Degree

The classes in this program prepare students for careers as instrumentation and controls 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 technicians 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.

1st Semester	Credits
COSC 125 Business Microcomputer Applications	3
ENGL 118 Technical Composition	3
INST 140 Applied Basic DC Circuits	3
MATH 113 Applied Mathematics for Vocational Students	3
SPCH 111 Interpersonal Communications	3
Total	15
2nd Semester	
INST 145 Applied Basic AC Circuits	3
INST 160 Digital Electronics	5
INST 190 Principles of Industrial Measurement	5
PHYS 111 Introduction to Physics	4
Total	17
Summer Semester	
ENGL 218 Advanced Technical Composition	3
INST 235 Electromechanical Devices	5
Total	8
3rd Semester	
INST 144 National Electrical Code	3
INST 171 Motors and Controls	5
INST 180 Semiconductor Circuits	5
INST 271 PLC Applications	5
Total	18
4th Semester	
INST 220 Process Control	5
INST 265 Industrial Wiring	4
INST 284 Print Interpretation	3
Humanities/Social Science Elective	3
Total	15
Total Credits	73