

INSTRUMENTATION AND CONTROL TECHNOLOGY - CERTIFICATE

The Instrumentation and Control technology program combines the theory and the hands-on training of state-of-the-art analog and digital instrumentation and measurements used in modern control technologies. Students learn to install, test, calibrate and maintain instrumentation that measure, indicate and control variables such as pressure, flow, level, density, temperature, force, vibration and chemical composition. Students apply mathematics and physics disciplines aligned with industrial standards in realistic situations encountered during their career. In addition to employ their outcomes in updating, building, and modifying as required different control technologies to overcome any obstacle in the system functionality.

Prefix	Title	Credits
Course Requirements		
ENGL 1110G	Composition I	4
INST 133	Process Technology and Systems	4
INST 165	Equipment Processes	4
INST 205	Programmable Logic Controllers and Applications	4
INST 251	Instrumentation and Measurement	5
OEET 110	Basic Electricity and Electronics	4
OETS 100	Industrial/Construction Safety	2
OETS 118	Mathematics for Technicians	3
Total Credits		30

First Year		
Fall		Credits
OETS 100	Industrial/Construction Safety	2
OETS 118	Mathematics for Technicians	3
INST 133	Process Technology and Systems	4
INST 251	Instrumentation and Measurement	5
Credits		14
Spring		
OEET 110	Basic Electricity and Electronics	4
INST 165	Equipment Processes	4
INST 205	Programmable Logic Controllers and Applications	4
ENGL 1110G	Composition I	4
Credits		16
Total Credits		30