

INSTRUMENTATION AND CONTROL TECHNOLOGY - CERTIFICATE OF COMPLETION

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.

Code	Title	Hours
Technical 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 Hours		30

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