INDUSTRIAL CONTROL SYSTEMS, TECHNICAL CERTIFICATE

Curriculum

(Concurrent students who earn a Certificate of Proficiency in Industrial Control Systems may progress to earn a Technical Certificate in Industrial Control Systems by completing the remaining required courses below.)

Curriculum

The matrix below is a sample plan for all coursework required for this program.

Course	Title	Hours
First Semester		
AT 1103	PROGRAMMING I	3
AT 1123	SEMICONDUCTORS I	3
AT 1113	INDUSTRIAL NETWORKING	3
AT 1163	FUND ELECTRICITY I (DC CRCTS)	3
AT 1173	FUND ELECTRICITY II (AC CRCTS)	3
	Hours	**15**
Second Semester		
AT 1143	INTRODUCTION TO DIGITAL LOGIC	3
AT 2233		3
AT 2203	COMPUTER SYSTEM COMPONENTS	3
AT 2213	SEMICONDUCTORS II	3
	Hours	**12**
Third Semester		
AT 2123	INDUSTRIAL FLUID POWER	3
AT 2133	INTRO TO PROGRAMMABLE CONTROLS	3
AT 2143	PROGRAMMABLE CONTROLLERS	3
AT 2153	INTRO TO INDUSTRIAL AUTOMATION	3
AT 2163	INDUSTRIAL AUTOMATION	3
	Hours	**15**
	Total Hours	**42**