

AUTOMATION TECHNOLOGY PROGRAM

TECHNICAL CERTIFICATE IN INDUSTRIAL CONTROL SYSTEMS

(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.

1st Semester

Course Number and Name	Credits
AT 1103 PROGRAMMING I	3
AT 1123 SEMICONDUCTORS I	3
AT 1153 NETWORKING I	3
AT 1163 FUND ELECTRICITY I (DC CRCTS)	3
AT 1173 FUND ELECTRICITY II (AC CRCTS)	3
Total Hours	15

2nd Semester

Course Number and Name	Credits
AT 1143 INTRODUCTION TO DIGITAL LOGIC	3
AT 1253 NETWORKING II	3
AT 2203 COMPUTER SYSTEM COMPONENTS	3
AT 2213 SEMICONDUCTORS II	3
Total Hours	12

3rd Semester

Course Number and Name	Credits
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
Total Hours	15