INDUSTRIAL ELECTRONIC TECHNOLOGY, TECHNICAL CERTIFICATE

Curriculum

(Students who take Robotic elective courses may substitute classes as noted below and progress to earn a Technical Certificate in Industrial Electronic Technology 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		
Fall or Spring		
AT 1123	SEMICONDUCTORS I	3
AT 1163	FUND ELECTRICITY I (DC CRCTS)	3
AT 1173	FUND ELECTRICITY II (AC CRCTS)	3
AT 2123	INDUSTRIAL FLUID POWER	3
Approved Elective Credit		2
	Hours	**14**
Second Semester		
Fall or Spring		
BST 1003	Business English	3
AT 2213	SEMICONDUCTORS II	3
TMAT 1203	Technical Mathematics	3
Approved Elective Credit		2
1st Summer Session (five-week course)		
AT 1143	INTRODUCTION TO DIGITAL LOGIC	3
Approved Elective Credit		2
	Hours	**16**
	Total Hours	**30**

*(*Robotics Electives: AT 1103 PROGRAMMING I; AT 2013 INTRO TO INDUSTRIAL ROBOTICS; AT 2033 INDUSTRIAL ROBOTICS PROGRAM; AT 2043 ROBOTICS AND MOTION CONTROL.)*

(Concurrent students who earn a Certificate of Proficiency in Machining Operations may progress to earn a Technical Certificate in Industrial Electronic Technology by completing the remaining required courses below. Students pursuing the machining operations path will actually earn 32 hours.)

Certificate of Proficiency in Machining Operations

Code	Title	Hours
AT 2513	BLUEPRINTS/MEASUREMENTS/SAFETY	3
AT 2514	CNC MILLING	4
AT 2523	MACHINING TECHNOLOGY	3
AT 2524	CNC TURNING	4
Welding Elective		3
Total Hours		**17**

Course	Title	Hours
Fall		
BST 1003	Business English	3
AT 2123	INDUSTRIAL FLUID POWER	3
AT 1163	FUND ELECTRICITY I (DC CRCTS)	3
AT 1173	FUND ELECTRICITY II (AC CRCTS)	3
TMAT 1203	Technical Mathematics	3
	Hours	**15**
	Total Hours	**15**