

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	Completed
First Semester			
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		3	
	Hours	15	
Second Semester			
BST 1003 or ENGL 1013	Business English or Composition I	3	_____
AT 2213	SEMICONDUCTORS II	3	_____
TMAT 1203	Technical Mathematics	3	_____
Approved Elective Credit		3	
AT 1143	INTRODUCTION TO DIGITAL LOGIC	3	_____
	Hours	15	
	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	Completed
Fall			
BST 1003 or ENGL 1013	Business English or Composition I	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	