

# CERTIFICATES OF ACHIEVEMENT

## MECHATRONICS TECHNOLOGY

The Mechatronics Certificate of Achievement expands on the electrical and mechanical skills in the foundational courses and/or field experience to develop further proficiency in Industry 4.0 processes.

### Required Courses

<b>Total Requirements</b>		<b>30 Units</b>
<b>Program Requirements</b>		<b>18 Units</b>
<b>MPT 111</b>	Fundamentals of Manufacturing and Automation I	3
<b>MPT 112</b>	Fundamentals of Manufacturing and Automation II	3
<b>MPT 160</b>	Mechanical Drive Systems I	3
<b>ELM 127</b>	Introduction to AC Controls	3
<b>ELM 134</b>	Programmable Logic Controllers I	3
<b>OSH 222</b>	General Industry Safety	1
<b>Choose 2 units from the following program electives:</b>		
Choose 2 units from the following program electives: AIT, ELM, ENGR, ET, MPT, MT		units vary
<b>General Education Requirements</b>		<b>12 Units</b>
English/Communications Requirement: <i>Must Include a writing course</i>		6
Human Relations Requirement		3
Mathematics Requirement:		3

### Suggested Course Sequence

First Semester	Units	Second Semester	Units
MPT 111	3	MPT 112	3
OSH 222	1	ELM 134	3
ELM 127	3	Program Elective	2
MPT 160	3	English/Communication	3
English/Communication	3	Human Relations	3
Mathematics	3		