

# CERTIFICATE ADVANCED MANUFACTURING: AUTOMATION-ROBOTICS

## Recommended Program of Study

### FIRST YEAR

			Hours
<i>Fall Semester</i>			
COLL	101	College Orientation	1
MATH	111	College Algebra* (or MATH 104, Technical Math*)	3
AMT	102	Introduction to Industrial Electricity*	3
AMT	104	Electrical Motor Control*	3
CNS	101	Intro to Electronics	3
AMT	132	Industrial Hydraulics	3
<b>TOTAL</b>			<b>16</b>
 <i>Spring Semester</i>			
			Hours
COLL	103	Practical Communications	2
AMT	182	Intro to Automated Robotics	3
AMT	204	Programmable Logic Controllers (PLC) I*	3
AMT	206	Programmable Logic Controllers (PLC) II*	3
AMT	284	Automated Robotic Programming	3
<b>TOTAL</b>			<b>14</b>
 <b>TOTAL HOURS REQUIRED</b>			 <b>30</b>

\*Prerequisite required