

# ASSOCIATE OF APPLIED SCIENCE DEGREE ADVANCED MANUFACTURING: AUTOMATION-ROBOTICS

## Recommended Program of Study

### FIRST YEAR:

<i>Fall Semester</i>			Hours
COLL	101	College Orientation	1
ENGL	101	English Composition I* (or ENGL 100)	3
MATH	111	College Algebra* (or MATH 104, Technical Math*)	3
AMT	111	Introduction to Industrial Safety	1
AMT	102	Introduction to Industrial Electricity* (1st 8-Weeks)	3
AMT	104	Electrical Motor Control* (2nd 8-Weeks)	3
<b>TOTAL</b>			<b>14</b>

<i>Spring Semester</i>			Hours
ENGL	102	English Composition II* (or ENGL 101, 203)	3
BSAD	125	Computer Applications*	3
AMT	142	Mechanical Power*	3
AMT	204	Programmable Logic Controllers (PLC) I* (1st 8-Weeks)	3
AMT	206	Programmable Logic Controllers (PLC) II* (2nd 8-Weeks)	3
<b>TOTAL</b>			<b>15</b>

### SECOND YEAR:

<i>Fall Semester</i>			Hours
SPCH	101	Fundamentals of Speech	3
BSAD	103	Professional Development	2
WELD	113	Introduction to Welding*	3
AMT	132	Industrial Hydraulics*	3
CNS	101	Introduction to Electronics	3
CNS	115	Cisco Networking I	3
<b>TOTAL</b>			<b>17</b>

<i>Spring Semester</i>			Hours
HIST	106	American History (or PLSC 103)	3
DRFT	101	Introduction to Engineering Drawing	3
AMT	182	Introduction to Automated Robotics*	3
AMT	284	Automated Robotic Programming*	3
AMT	290	AMT Internship*	3
<b>TOTAL</b>			<b>15</b>

**TOTAL HOURS REQUIRED 61**

\*Prerequisite required