

Industrial Machine Mechanic Program Alignment – CIP: 47.0303

Effective: Fall 2015
Issued 5/14/14



Certificate C

Maximum of 57 Credit Hours

Industrial Machine Mechanic

- CMRT Credential

A.A.S.

60-68 Credit Hours

Industrial Machine Mechanic Degree

- CMRT Credential
- Minimum of 15 Credit Hours of General Education

Required Courses within Program

Common Courses **13 credits:**

<i>OHSA 10</i>	<i>1 credit</i>
<i>Industrial Programmable Logic Controls (PLC)</i>	<i>3 credits</i>
<i>Mechanical Systems</i>	<i>3 credits</i>
<i>Mechanical Systems Reliability</i>	<i>3 credits</i>
<i>Industrial Process Control</i>	<i>3 credits</i>

Support Courses* **14-19 credits:**

<i>Direct & Alternating Current/Basic Electricity</i>	<i>3-4 credit</i>
<i>Fundamentals of Motor Control/</i>	<i>2-3 credits</i>
<i>Electrical Control Systems I</i>	
<i>Variable Speed Motor Controls/</i>	<i>2-3 credits</i>
<i>Electrical Control Systems II</i>	
<i>Industrial Fluid Power/Fluid Power I & II</i>	<i>4-6 credits</i>
<i>Math</i>	<i>3 credits</i>

Course list sequence has no implication on course scheduling by colleges.

Institutions may add additional competencies based on local demand.

Competencies identified within the Common Courses and/or Support Courses represent opportunities for articulation with K-12.

**Institutions may utilize existing like course titles for Support Courses that adhere to the agreed upon course lengths.*

Notes

Specifics pertaining to Industrial Machine Mechanic programs:

1. Graduates will take and are expected to earn the Certified Maintenance and Reliability Technician (CMRT) certification through the Society for Maintenance and Reliability Professionals Certifying Organization (SMRP).
2. Educational Competencies align with CMRT requirements.
3. Level C certificates that do not include any general education course and lead to the AAS degree cannot be greater than 53 credit hours to maintain the 68 credit hour maximum for the AAS degree.
4. Students are encouraged to obtain the Kansas **WORK**Ready! Certificate (Silver- Level).