

Industrial Machine Mechanic Program Alignment – Kansas Board of Regents CIP 47.0303

2014
5/15/2014

Industrial Machine Mechanic

CMRT Credential

Certificate C
Maximum of 57 Credits

Industrial Machine Mechanic Degree

- CMRT Credential
- 15 Credit Hours of General Education (minimum)

A.A.S.
Maximum of 68 Credits

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>Electrical Control Systems I</i>	<i>2-3 credits</i>
<i>Variable Speed Motor Controls/</i>	
<i>Electrical Control Systems III</i>	<i>2-3 credits</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.

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. The common course may represent opportunities for colleges to connect to K-12 CTE pathways.
4. 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.
5. Students are encouraged to obtain the Kansas **WORKReady!** Certificate (Silver- Level).