

# HUTCHINSON COMMUNITY COLLEGE PROGRAM REVIEW

**Date: 2015 Program: MANUFACTURING ENGINEERING TECHNOLOGY**

Indicators	Opportunity Analysis	Goals / Expectations (1-3)	Responsible	Timeline	Expected Outcomes	Follow-Up Projects
<b>Capacity</b>	Enrollment tends to vary year to year; strongest enrollments are in the fall. Currently teaching responsibilities are shared by three faculty and a part-time person.	Examine reasons for varying enrollment through capturing qualitative data from present and past students.	MET Advisors and Dept. Chair	AY 2015 - 2016	Ideas regarding needed modifications to improve enrollment during the spring semester to make the overall enrollment strong for the program.	Examination of enrollment trends after modifications implemented.
<b>Demand</b>	Industry is anxious for trained technicians as many companies are facing impending retirements and much knowledge leaving their shops. Students who complete industrial programs and have positive work habits and continuous desire to learn will always find employment. Students w/ interest in Renewable Energy careers are not able to find local employment.	Expand number of industry partners who serve on advisory committee. Explore out of area career options for RET students.	MET faculty and Dept. Chair	Spring 2016	Increased opportunities for graduates and increased community understanding of what program has to offer workforce.	Examination of comparative information regarding opportunities for graduates and community understanding.
<b>Curriculum</b>	Recent curriculum mapping revealed some syllabi need to be updated to reflect what is taught. What is currently being taught is a reflection of industry needs.	Revise older syllabi to reflect current workforce training needs.	MET faculty and Dept. Chair	AY 2015 - 2016	Future curriculum mapping results indicate stronger alignment between course competencies and course and lab work.	Curriculum mapping will be completed again with the revised outcomes and competencies in place.
<b>Quality of Program Outcomes</b>	In Spring '15 the program revised course offerings to reflect less instruction in mechanization and more automation to prepare students for the direction in which the industry is going. This has resulted in fewer credit hours under the ME subject area and more under AE. Therefore, the data will show 'fewer' enrolled hours when examining ME #s only. Continued work will be done to examine course and teaching effectiveness.	Enrollment data will be viewed in conjunction with courses that have an AE designation to better understand total enrollment.	MET faculty and Dept. Chair	Ongoing	Increased overall enrollment within both of these programs (AET and MET) as workforce demand for qualified techs grows.	Continuous monitoring of students' ability to find work and the opportunities available for them.
<b>Impact, Justification, Overall Essentiality</b>	Two certificate options are embedded in the MET degree - HVAC and Renewable Energy. The institution's automated system to 'capture' when a degree-seeking student complete certificate-level coursework will provide a truer picture of impact.	Slight increase in number of certificates awarded.	ITS programming and Registrar's office	2016-17	Additional program completers who can be monitored concerning workplace success.	Annual monitoring will be required.