

PET FORM
Planning and Evaluation Tracking
(2012-2013 Assessment Period)

Division of: [Career & Technical Education](#)

Person Responsible for this Division: [Lyndy Wilkinson](#)

Department of: [Manufacturing Technologies](#)

Primary Person Responsible for this Form: [Dr. Kim T. Hays](#)

Purpose Statement (With Last Updated Date): [Train students for successful careers in the Manufacturing and Utility industries.](#)

Goal Statement #1: [Attainment of Credentials \(No Excuses Initiatives, Goal #5\)](#)

Outcome/Objective Statement #1A

[Upon completion of a manufacturing program, the number of AC students that attain a credential, certificate, or degree will meet or exceed state standards based on the THECB data.](#)

- Results (If Applicable, Provide Numbers and Percentages for Quantitative Data)

Program by Name / CIP Codes	Results (Number)	State Standard
Industrial Maintenance Technology / 15.0400 Including Utility Power Worker	2010-2011 = 10 2009-2010 = 5 2008-2009 = 4 2007-2008 = 9 2006-2007 = 8	THECB Program Measure – Quantitative Measure Q2: Number of Program Degrees & Certificates Awarded Standard: Workforce education program generates 25 awards over 5-year period.
Machining / 48.0500	Too new for any graduates to be posted in AC Databook	
Non Destructive Testing / 48.0508	2010-2011 = 2 2009-2010 = 2 2008-2009 = 2 2007-2008 = 5 2006-2007 = 7	
Welding / 48.0508	2010-2011 = 5 2009-2010 = 1 2008-2009 = 15 2007-2008 = 18 2006-2007 = 4	
Results as per Table 4G: AC Databook		

- Analysis

[The number of completers in Manufacturing Technologies’ programs exceeds state standards.](#)

- **Improvements**

Like other technical programs, the Manufacturing Technology programs fluctuate in enrollment and graduation from year to year.

Industrial Maintenance: These numbers include many students who graduated with the HVAC option while the Utility Power Worker program is still too new to have any students included in these numbers.

Machining: The Machining Technology program is in its third full year of activity. AC Databook numbers do not reflect the number of graduates to complete in Spring 2012. This program is growing and will now continually have more completers.

Nondestructive Testing & Evaluation: Low enrollment numbers and the loss of the lead instructor have forced this program to be put in the background for the 2012-2013 year.

Welding: Scheduling has been changed allowing for a continual class flow.

- **Recommendations/Actions for 2012-2013**

- **Person Responsible**: Dr. Kim T. Hays, Robert Johnson, Robert Gustin, Jimmy Bradshaw, Terry Tucker
 - **Action Plan**: Curriculum adjustments will be reviewed and evaluated in the 2012-2013 year to better align with industry requirements. Continue to focus on the students and their success.
 - **Expected Time Frame Needed to Implement Action Plan**: Two years to change curriculum and evaluate by Spring 2015.
 - **What Budget Implications Are Involved with this Action?**: No budget implications involved
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Goal Statement #2: **Expand Student Success** (*Strategic Plan through 2015; Goal #1*)

Outcome/Objective Statement #2A

AC CTE faculty will match the course competencies identified in the syllabi based on the end-of-program or end-of-career pathway skills.

- Results (If Applicable, Provide Numbers and Percentages for Quantitative Data)
All Manufacturing Technology programs have reviewed and rewritten all course syllabi to update them with correct competencies and made available to all students through the Amarillo College website.

 - Analysis
Course competencies are a method of aligning each course with correct learning outcomes as mandated through WECM. The information is available to all students so they know what is expected of them in their particular class /career field.

 - Improvements
Improvements made in the 2011-2012 year were to review and standardize each class syllabus for the Manufacturing Technologies department as mandated by THECB.

 - Recommendations/Actions for 2012-2013
 - Person Responsible: Dr. Kim T. Hays, Robert Johnson, Robert Gustin, Jimmy Bradshaw, Terry Tucker

 - Action Plan: Continue to review and evaluate each course syllabi for correct information.

 - Expected Time Frame Needed to Implement Action Plan: Before the start of each semester

 - What Budget Implications Are Involved with this Action?: No budget implications.
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Goal Statement #3: Direct Outcome

Outcome/Objective Statement #3A

90% of all Manufacturing Technology students will be involved in class projects.

- Results

Most classes in the Manufacturing Technologies department are hands-on requiring student participation in labs. The labs also involve class projects so that the students leave Amarillo College with “material” knowledge and not just theory.

- Analysis

- Industrial Maintenance: HVAC students have the opportunity to leave AC with the EPA certification making them qualified to purchase, handle and recharge Freon.
- Machining: Students focus on making tools that they will use out in the career field.
- Nondestructive Testing: Students take and have to pass a 40-hour Radiation Safety class that gives them the opportunity to work anywhere in the United States doing radiography inspection.
- Utility Power Worker: Students receive certifications for learning to climb electrical poles.
- Welding: Students each have specific projects they must produce to show the required level of skill.

- Improvements

Class projects are continuously reviewed to make sure that they align with end-of-course competencies.

- Recommendations/Actions for 2012-2013

- Person Responsible: Dr. Kim T. Hays, Robert Johnson, Robert Gustin, Jimmy Bradshaw, Terry Tucker
 - Action Plan: Continue to monitor class projects.
 - Expected Time Frame Needed to Implement Action Plan: Continuous action
 - What Budget Implications Are Involved with this Action?: Budget implications would be consistent with cost of equipment and/or consumable supplies required for projects.
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