

Assessment, Improvement, Measurement (AIM): 09/20/2013

Plan Year: 2012-2013

Unit: Computerized Mfg. & Machining - Danville

Coordinator(s): Russell Chaney, Karman Wheeler, William Franklin, Mark Welch

Reviewer: William Franklin

Program Health Review: Use the Annual Program Health Review to evaluate student achievement and, if warranted based upon analysis of the results, make program changes to improve student achievement. Identify expected student learning outcomes, assess the extent to which these outcomes are achieved, and provide evidence of improvement based on analysis of the results.

Reviewed: Yes

Measure Text: PROGRAM HEALTH REVIEW - LEVEL 1 1. Program Health Review - Refer to the attached Annual Program Summary for longitudinal information related to enrollment, graduates, employment, employer and alumni satisfaction, and licensure pass rates. 2. Student Learning outcomes Three student learning outcomes – Plan an assessment for each outcome identified, and assess the extent to which these outcomes are achieved, and provide evidence of improvement based on analysis of the results.

Achievement Target: Program Health Review Target - Maintain a level 1 assessment with comments from program coordinator, assistant dean, dean and vice president according to attached time schedule. Student Learning Outcome Target - Student learning outcomes are identified, assessed on level of achievement, and evidence of improvement are provided based on analysis of the results according to the attached time schedule.

Results: Program Coordinator: 1. Strengths of the Program - The Computerized Manufacturing & Machining Program has several strengths to discuss. The strengths begin with an extremely strong Advisory Board. The Danville members represent Anderson, Boyle, Jessamine, Lincoln, Madison, Marion, Mercer and Washington county manufacturing firms. We have also placed several students in Franklin county and will be asking two shop administrators there to also become active members. The number of companies who have asked for the Danville graduates have been outstanding, this year since August we have had four companies contact us in as many weeks. Along with that our graduates have been making excellent wages that normally range from low teens to 20.00 hour after their 90 day probationary period. We consider this HIGH Wages for our students to make in the teens prior to graduation. Our great advisory board makes our high rate job placement possible, but its also because we have outstanding students and their commitment to becoming the best in their field. The Danville program is proud of their students commitment and it shows by having outstanding retention from 2011/2012 year. Mark and I both believe in keeping our training closely tied to what graduates will see when entering the job market. We try to use projects that are reconized by our advisory board and students for promoting critical thinking. Mark and I have discussed on continuing good industry ties by visiting manufacturing firms to keep our program and our graduates in their sights. We also believe in promoting secondary to post secondary transitions to our school. The Danville program has always invited and held workshops for ATC's and high school events in our shop to open the eyes of possible new students to our program and the wonderful future we can train them to achieve in manufacturing. The 2012-2013 school year, we will be host to an interactive workshop in the Spring (not yet set) for JCTC ATC students. We will use this time to build with our students a common project in one day. The event has been outstanding and has normally been in the newspaper every year giving more good publicity to the program and the school. Mark and I have also been involved in summer workshops like the Black and Gold academy for Boyle county, and Danville independant is now interested in a summer workshop as well. Along with those activities the Math club at the Garrard County school district has requested to work with us on demonstrating math principles in a manufacturing environment. We have also worked with IMT in the past to draw attention to our program areas with Guitar building workshops. We also attend Career fairs at ATC's and are a part of two different secondary advisory boards. The program also has good enrollment numbers, we currently have 31 CMM students taking our classes and 6 IMT students taking our CMM classes, beyond that we have already been contacted by several students who will be starting in the second bi term or spring semester with us. The Danville program schedule always offers a night beginning CMM 114 courses for IMT and CMM students wanting to start part time or work around their day shift work schedule. We are also looking into a credential program for nights or weekends for working adults. Last, we strongly believe in personal growth, we have already attended this year a international conference, I will be going up for promotion and Mark is already a professor but both of us are engaged in our college internal committees and external activities. 2. Items Requiring Continued Attention - The number one item always is keeping up with technology in our labs, a supply budget that will fund name brand supplies and producing enough students for the large number of job opportunities we are experencing for our graduates. 3. Document and provide evidence indicating how last year's program review resulted in improvements in the program/department. The number of students in our program has increased from last year to this one. We are seeing more and more Boyle county students because of our marketing efforts. Our program is seeing technology movements in the correct directions due to events we have attended, example we hope to get an increase in digital gages, profilometer and an automated drill sharpener this year through Perkins and non recurring funds. These movements are recognized by our advisory board and are discussed when we get together twice per year for a program review and evaluation by members.

AD Comments:

Dean Comments: Coordinator's comments related to the Danville Campusw CMM program are accurate. Anxious to see how Hybrid program progresses. Faculty need to contintue to work to increase enrollment.

VP Comments: The Danville faculty are dedicated to this excellent program that meets critical industry needs. I ampleased that the ratio of full-time-equivalent students to full-time-equivalent faculty has increased from 6.7 to 9.0 over the past year.

Target Results:

Findings: We will be creating a Hybrid/online course for fall (CMM 118) to allow more students with less time for taking in person classes to take part in a CMM course. We will continue to prioritize equipment needs as they are

needed in industrial settings. The program also will continue providing spicialized marketing/workshops for future CMM students, like the previous Black and Gold academy and JCTC interactive workshops.
