

Assessment, Improvement, Measurement (AIM): 04/09/2013

Plan Year: 2011-2012

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.

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: DANVILLE

Program Coordinator:

1. Strengths of the Program

a. supportative Advisory Committee. The Danville site has fall and spring meetings and when contacting our group for the meetings so many times we have members ask if they can bring extra people from their manufacturing firm or another firm to attend this meeting. This is a great example of our advisor group spreading the great work that is going on at this location and their committment to sustaining that support. Russell and I go the extra mile to make sure our advisory board members understand what our students are doing to accomplish their task found in the courses. We do that by showcasing all of the students' work at every event. The members have the opportunity to look at prints and parts, see where the students are excelling or struggling but they get a complete picture of the program.

B. Student teamwork is encouraged by incorporating group projects into the curriculum.

C. Program is recognized throughout the state as noted by inquiries from major industry leaders e.g. Meggit, CAT, Central Kentucky Tool, Hobart, Clark tool, Nesco and Hitachi.

D. Commitment in promoting our program as noted by encouraging tours that include making small projects for the tour group, attending career events (JCTC Career event was attended by both faculty from Danville and Leestown programs).

E. Program faculty attend professional development and technology shows to maintain current technology skills and knowledge (e.g. Vision Technology System, CNC Grinder)

F. Course enrollment in first year is at and over capacity.

2. Items Requiring Continued Attention

A. Up-To-Date Equipment to meet the rapidly changing industry needs (CNC Grinder and Vision Technology System for the entire state).

B. Course enrollments continue to grow but we are unable to meet the job demands.

3. Document and provide evidence indicating how last year's program review resulted in improvements in the program/department.

A. The Laser etcher that was recommended in 2010-2011 has been purchased and is integrated into the curriculum.

B. Enrollment in first year has increased to maximum course capacity.

AD Comments: The Danville Machine Tool program is an excellent program. It has a very strong advisory committee that is very committed to the program and provides strong support to it. They provide prints, materials, sites for field trips, coop, and employment for the students. Russ and Mark work very hard to keep the program up to date and connected to the needs of industry. Russ and Mark also are very involved in the high school programs providing many opportunities showcase their program to the high school students. As with all the technical programs, it is always a challenge to keep the latest technologies in the program. The addition of the laser and waterjet technology has helped this program, but much more is still needed.

Dean Comments: Agree with AD. Faculty are outstanding and have a large involved advisory committee. Program growth continues.

VP Comments: The program faculty continue to keep this program one of the most dynamic in the college; I am in awe of their commitment, energy, and expertise.

Target Results:

Findings:
