

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

Plan Year: 2012-2013

Unit: Computerized Mfg. & Machining - Lexington

Coordinator(s): Danny Roberts, Karman Wheeler, William Franklin

Reviewer: Paul Turner

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: With the economy and industry showing a strong growth, we are receiving more calls from employers than we have students to fill the jobs. Our industry relations still remain strong we have a very personal relationship with our advisors and communicate often on an informal as well as formal basis. With Perkin's funding and an OKUMA lathe received from the Georgetown campus we have been able to maintain and even add new technology to the lab. Full time enrollment has remained the same this year and retention for this year is 80% compared to last year's 30%. We had three completers last year and are projecting eight this year. We continue to build diversity in the program by adding female and minority students. We are pursuing contacts with the University of Kentucky to attempt to receive credit for some of our courses; this credit will allow us to attract pre-engineering and dual credit students from Fayette County schools. We are also working with area center schools to arrange tours and workshops and the Danville campus for dual workshops with JCTC.

2. Items requiring Continued Attention: Enrollment numbers still need to be improved, industry is beginning to improve and will need increasing numbers of graduates in the future. With extra money made available from the college we have all the machines in the shop working for student use.

3. Document and provide evidence indicating how last year's program review resulted in improvements in the program/department: We have added more projects to the evaluation list. These additions will help to assure program accountability by measuring the overall class success on task measured performance. The NOCTI exit exam will be used this year to test students for program content learned. Communication was improved, and AdvisorTrac was added, within the college to better advise students on their options regarding the timeline for taking technical and general education classes. This has helped enrollment and retention by placing students in the program at the proper time and the proper sequence.

AD Comments:

Dean Comments: Concur with comments of coordinator. Need to increase number of students.

VP Comments: While I applaud the continued efforts of the program's Coordinator, I remain very concerned that the ratio of full-time-equivalent students to full-time-equivalent faculty is only 5.9. A long-term solution to low enrollments must be found now!

Target Results: Met

Findings: Enrollment still needs to be improved, however our numbers are already looking better than last year. With the industrial maintenance program returning to CMM 114 being required, this should help with numbers. Industry is growing again and based on the numbers of advisors in attendance at our meeting and the calls from employers, there is going to be a large demand in the future.
