CNC Machining Advisory Committee  
Shoreline Community College Machine Lab  
December 8, 2005 – 3:00  

Meeting Minutes

Members Present:  John Goes, Joan Weiss, Keith Smith, Jay Bakst, Berta Lloyd, Mark Phillips, John Middleton, Dave Knutsen, Ken Gohr, Mark Hankins, Phil Savereux, Mike Fitzpatrick

Welcome/Introduction  
John Goes of Ellison Machining is the Coordinator and Chair of the Advisory Committee, which is a sub panel of the original Skill Panel. He also serves on the Board at Renton Technical College and Lake Washington Technical College.

Purpose of the CNC Committee  
John discussed the purpose for the CNC advisory committee. He said it was a conduit between industry and education and that his hope was that the committee would encourage area schools to work together. One function of the committee is to support the CBM program, continue to shape it, and watch it grow. The following statement regarding the purpose of the committee was reviewed and discussed:

CNC Machine Technology Committee-Statement of Purpose

The purpose of the CNC Technology Committee has several dimensions:

The primary purpose of the committee is to serve as the industry/community advisory board to the CNC Technology program at Shoreline Community College. In this capacity, the committee will periodically review program curriculum and evaluative data, advise the program instructor and CME director on matters of program development, and assist to the degree possible in the provision of technical resources and expertise necessary for program implementation.

The CNC Machine Technology Committee will serve a similar advisory function for the Certificate in Basic Manufacturing program at Shoreline Community College. However, in addition to helping to ensure the success of the CBM at Shoreline, the committee will also have the lead role in shaping future forms of the CBM to meet the entry level workforce training needs of particular industry sectors, and supporting efforts to implement the CBM at other community and technical colleges.

Finally, the committee will consider the potential benefits of establishing a regional advisory group to support manufacturing programs at all Puget Sound area colleges, and assess the interest of area colleges in participating.
CBM-Certificate in Basic Manufacturing status- Keith Smith

John Goes said the CBM fits in a number of machining areas and helps compensate for a skill set lacking in people entering into industry. It is really a product of necessity, a basic preparation for manufacturing careers that someday may be offered in high schools.

Keith Smith shared his experience as program instructor Fall Quarter. There were 6 students in the program, and because of the CBM training, they will have the potential to move up the job ladder more quickly. The program teaches students the basic skills of manufacturing - job safety, communication, teamwork, print reading, math and beginning machine operation, etc. Keith then referred the committee to the CBM flow chart that shows how the courses and modules fit together within the overall program. Most modules include a skill check to demonstrate that the student has successfully completed the module. Students also have assessment tests to begin each of the Key Train online modules.

Math, a problem area for some students, is still just basic math and a review of what they learned in high school. In their written feedback on the program, students rated the Key Train materials the lowest, for a variety of reasons. We should investigate other resources and materials to teach the basic academic and work skills covered in those two courses. Hands-on work with the manual machines from the first week on, was an essential element of the success of the program. The final “Capstone Project” this year was a parallel clamp, which seemed to work well. On written feedback, the students’ average rating of their overall satisfaction with the program was 4.25 (on a 5-point scale).

NAM-Dream it! Do it

Representatives from the National Association of Manufacturers (NAM) will be visiting Seattle the first week in January 2006, to assess the feasibility of conducting NAM’s “Dream it! Do it!” campaign in the state. Phil mentioned that we are gathering letters of support for the campaign from Center for Manufacturing Excellence partner companies and organizations. He offered to send sample letters to members of the committee who may be able to write campaign endorsement letters.

During the month of November, the CME Marketing Committee reviewed five marketing proposals and selected three companies for follow up presentations. After those presentations, the committee chose to work with Pyramid Communications. Pyramid, which is based in Seattle, will work with the CME to shape the local features of a manufacturing marketing campaign (hopefully in conjunction with Dream It, Do It!). Their primary audiences will be Jr. High Schools, High Schools and incumbent workers.

Next Meeting Date:
The committee would like to meet at least 2-3 times a year. The next meeting will be held in late January or early February.

The meeting was adjourned at 4:45, with some committee members staying on to continue conversations and meet informally with the CBM students.