



Shoreline Community College
16101 Greenwood Avenue North
Shoreline, WA 98133

Manufacturing/Machinist Technology Advisory Committee

December 8, 2014, 2:30 - 4:00pm

Room 2501, 2500 bldg.

Minutes

Present:

- Tom Stephenson – Royell Manufacturing
- Thomas Van Acker – Electroimpact
- Peter Eells – Esterline – Korry Electronics
- Sandy Gibbs – Provail
- John Goes – Ellison Technology
- Maury Brown – Gardico, Inc
- David Ashbaugh – Horizon Mfg./ Shoreline Community College
- Steve Buck - Shoreline Community College
- Greg Ingersoll – Shoreline Community College
- Jeremy Jackson - Shoreline Community College
- Chris Lindberg – Shoreline Community College
- Brian Keever – Shoreline Community College
- Jeff Purdy – Shoreline Community College
- Keith Smith – Shoreline Community College
- Heather Stapleton – Shoreline Community College
- Micheline Felker – Shoreline Community College
- Sherry Byers – Shoreline Community College
- Susan Hoyne – Shoreline Community College
- Dan Fey – Shoreline Community College

1. Greetings and Introductions (5 Minutes) – Tom Stevenson, Chairperson

2. Minutes from 5-29-2014

Minutes from the Advisory Committee meeting held on 5-29-2014 were read and approved.

Discussion: It was suggested that minutes should be sent out by email so that they could be read by members before the meeting

3. TAACCCT Grant Update– Sherry Byers

We have just finished up the 2nd year of the three year TAACCCT grant. We are one of 7 colleges who are participants in this grant. So far, we have met or exceeded all of our goals.

We have used money provided in this grant to developed job descriptions to hire a shop manager, a tool room technician, and 3 teaching assistants.

For this grant, we are expected to enroll 240 *unduplicated* individuals. We have enrolled 198 students so far who have completed 5560 credit hours. There have been 226 SCC certificates issued. 57 students have earned 71 NIMS (National Institute of Metalworking Skills) credentials.

Equipment ordered through the DOL grant was recently approved. As a result the program will be receiving 3 Clausing manual lathes, 1 Haas 5 axis machine, a Digital Visioning System and additional 3D printer.

Discussion

4. South Seattle Shoreline Program Update – Jeff Purdy

South Seattle College was considering resurrecting their machining program. Shoreline Community College suggested that we help get their program up and running using our curriculum and instructors. The agreement we reached was that we would share FTEs for fall and winter quarters. They get the FTEs for spring. (This is the first time in the state that two separate Community Colleges have shared a site and FTE's.) We will be responsible for hiring faculty for spring quarter. The program is housed on South's Georgetown campus. They have 2 manual mills 3 manual lathes, 2 VF2 Haas mills. We started with 8 MFGT105 students this fall. We now have 14 students enrolled for winter.

Discussion

5. New DOL grant. – Susan Hoyne

We have just found out that we are recipients of a new Department of Labor grant. Called the WSE grant. There are 14 colleges from around the country participating in this grant. This grant will be focused on Mastercam and 3d printing, and Solid works. This will be a 3 year grant beginning this January.

Discussion

6. NIMS Renewal of Accreditation – Keith Smith

SCC will be renewing its accreditation with NIMS (National Institute of Metalworking Skills.) We will need to make sure the program meets all of the NIMS standards before having an audit team come out to visit the program.

These standards would include:

- We maintain a safe working environment for students
- That we have equipment and budget to adequately maintain a training program
- That our curriculum is designed to meet NIMS standards

We will need help from industry partners on some of the tasks

- Reforming our MET committee
- Setting aside some time next meeting for our advisors to inspect the shop for safety
- Being available for interviews when the NIMS team comes to audit our program

Discussion

7. Building a Strong Advisory Committee – Michelene Felker

We want to welcome and thank you for coming to our advisory committee. We would also like to spend this part of the meeting to find out what industry's needs are and how can Shoreline help fill those needs.

Discussion

Tom Stephenson: We are maturing our machine maintenance department at Royell Mfg and want to work with Shoreline's new machine maintenance training program.

Peter Eells: So far, we've heard a lot about CNC machining. We feel that manual machining is a really important foundational skill. Tool holding. At Corry Electronics we build avionic displays and overhead panels.

Thomas Van Acker: At Electroimpact, we are putting in a large 5 axis. These machines are being used more and more. I think it would be important to train students to use live tooling on CNC lathes. You should also talk with someone at Hexigon (sp?) who knows the included software.

Sandy Gibbs: Provail is a nonprofit that helps people with disabilities gain employment. We are happy with the idea of the NIMS credentials. Boeing has a new inspection process. It would be good if this (NetInspect) were taught in the QA program. The rate of change in the company and industry is accelerating.

John Goes: At Ellison Technology we sells CNC machine tools. Some thoughts: rejoice that we are out of the barrel. That was brought about because we have become the cheap source of manufacturing due to many factors including upgrading our technology and the de-valuation of the dollar. We have the opportunity right now to think about what we are not going to teach anymore so that we can teach what is needed. The definition of an "entry level" machinist has changed, even in the last two years!!

Maury Brown: At Gardico, we have waterjet and flash cutter. We do what most of the other companies don't want to do. Use AutoCAD to program our parts. Students need to understand they are still looking at a full apprenticeship after finishing a degree program.

8. Adjourn