

**Machine Tool Technology
Advisory Committee Meeting Minutes
November 14, 2019**

1. Call to Order

The meeting was called to order at 8:18 am by Craig Barringer.

2. Members Present

Industry: Russ Hane, Mike Van Essen, John Berning, Jeff Jaschke, Brian Traun

HTC: Craig Barringer, Dick Granlund, Wayne Corrigan, Allen Smith, Amanda Robinson, Alison Leintz, Melissa McGarry, Susan Markes, Bruce Ellingson, Allen Smith, Student-Noah

3. Introductions

All members present introduced themselves and stated the company they represent.

4. Guest – Dan Voss from Bemidji State

Dan passed around transfer guides for MET-Machine Tool Technology AAS to Applied Engineering and to Engineering Technology BS at Bemidji to attendees, then spoke about what the options are to students to continue on from HTC to complete Bachelor Degree at Bemidji. Engineering Technology is on campus, 2 years at HTC then 2 years at Bemidji. The Applied Engineering could be completely online for the second 2 years. There is another, Applied Management that can also be completed online (no handout for that). This includes basic accounting classes, management, economics, etc. – lots of the softskills that industry is asking for.

Craig asked how many people do these transfers. Dan said there has been a 30% growth last year and there are lots of opportunities. Said that transfer students tend to do better in the program over organic students who started there for the four year degree.

Noah asked for more details. Designed as a 2 + 2, two years at HTC, then two years at Bemidji and that they designed the degree to take into account what courses have already been included in the program at HTC.

Alison said that there would need to be more discussion/changes to make it more focused to MACH, rather than METS program focused. Dan stated that he has

had success with other schools and that they are looking only at transfer students, not to take any students away from the program.

5. Program Overview

Day Program:

Craig started his split program, utilizes the machines better. Will continue with that plan since it seems to be working well and that they are full in the day. Mike asked what the maximum capacity is, Craig explained out max and how we can go 2 over the max. Alison clarified that students are starting the program in August, October, January & March. Total enrollment is 362 unduplicated students, 50% students of color, vast majority of the students are 25-34 years of age, female enrollment is growing.

Grant from HAAS is being used for scholarships. Will be promoting that to be utilized by 1st year to 2nd year for scholarships to keep retention up.

Dick spoke about 2nd year side of the Day Program. Has lots of students and things going well. Working on MAZAK cert. and getting some machines moved around in shop and moving grinder back to Craig's area.

Night/Weekend Program:

Allen said the night/weekend program is doing about the same. Working on first year skills, with Intro to CNC this semester. Very full enrollment, but needed to let the Saturday class go as there were not enough registered. Friday nights are full. He said that Mary Babcock came to classroom to help students register for classes. Got 110 credits registered within the first hour. Spent about 2 ½ hours over the course of two days – showed students what they needed then passed them along for registration. Allen said he has been pushing students to apply for scholarships and both he and Mary said that some of the scholarships are really easy to apply for.

Some discussion about SkillsUSA. Noah said it has been difficult to find information as to what types of skills are competed on. Alison said that could be intentional so that students aren't trained to the competition. Craig asked industry if they were aware of what SkillsUSA is and if it has any bearing on hiring someone. Mike Van Essen is very aware of it as he was a winner in the past. Jeff Jaschke agreed that it would be a plus it was on a resume – shows that a person can succeed at events and tasks.

Discussion circled back to our 25-34 year olds and asked why we think we attract those ages; what is happening societally or industry-wide that could be drawing them. Alison thought that as a society, we are moving back to the trades and promoting those careers. Russ asked if we had PSEO students – probably about 5% of students. Impression is that many high schools don't promote PSEO as

much as they could because they lose funding. Craig asked if industry would hire an 18 or 19 year old. Consensus is that they would, as long as the person is skilled and driven – definitely.

Swiss Program:

Bruce said that we have opened up bids for another machine. Will be working with Rob on more advance training using more macros, use Esprit more.

Quality Assurance:

Wayne discussed two semester certificate program in Quality. Courses are team taught. Alison mentioned that HTC will be creating a separate Quality advisory committee and asked industry to think of anyone who would like to sit on the committee. Had one before, but it dwindled away and want to bring it back.

6. Student Enrollment

Discussed earlier

7. Industry Trends/Updates:

What should HTC be highlighting in the program? John thought that the quality program will be good to promote more. Wayne said that they will promote GD&T and CMM into the program. Quality program will be partnering with the Engineering CAD program with a goal of more hands on experience. Jeff said that it is hard to judge what HTC is teaching. Said that threaded holes cause more problems than pretty much anything else. Discussion around threads, what we teach, etc.

Russ asked if there are any virtual classrooms offered to business that they could use for new hires? Tooling “U” ?

Amanda Robinson explained her role at HTC as a liaison between HTC and industry and spoke of how Craig currently brings instruction onsite to Toro in Shakopee as part of a customized training.

Can contact Amanda and would either bring instruction to industry facility or could host classes here. Would work best for a small group for training. Industry creates the curriculum and then we can customize what we teach.

8. Program Advancement Opportunities:

Mazak Certificate

Bruce discussed the Mazak Certificate and where we are in the process. Craig said Joel from Northwest will promote this through their website and should be a good feed to our program.

Bruce talked about MAZAK Mill and MAZAK Turn; making parts on machine more in-depth for students. This is a curriculum we put through as a result of committee's feedback! We are working on getting the software budget approved.

Reviewing Outcomes

Shared handouts with everyone about Learning Outcomes that have been developed for courses created years ago and asked that members take a look at them and let us know of any changes or suggestions. A few points were discussed and it was agreed that members could email to us.

9. Other Business:

Mike said that overall we really need to get younger people involved in these industries. Need to attract students who are capable of learning, and wondered how do we teach intuitive thinking?

Some talk about spring ideas for March – Job Fair in April. Agreed that 8am meetings are good for everyone. Alison mentioned that the Spring Advisory Appreciation dinner is scheduled for Tuesday, March 24, 2020 and hopes that everyone will attend. It was agreed that the spring meeting would be scheduled for the same day as the dinner, probably at 3pm. Wayne said that they will try to get a Quality meeting set up for January and a reminder to please refer possible members to Wayne and Craig.

Meeting adjourned at 10:00 am