

Hennepin Technical College

Machine Tool Technology Advisory Meeting

DATE: November 16, 2020

2pm via Zoom

FY21 GOALS

1. Increase engagement with community and industry partners
2. Provide integrated service support, consultation, and solutions to advance the institution
3. Advance institutional capacity and effectiveness through technology
4. Increase retention of protected class group employees
5. Implement a targeted plan for students to persist
6. Redesign and implement the strategic enrollment management (SEM) plan
7. Create opportunities to secure new funding

MISSION:

To provide excellence in career and technical education for employment and advancement in an ever-changing global environment.

VISION:

To be the leader of innovative career and technical education that leads to success for all students.

VALUES:

Excellence: We pursue the highest standards in academic achievement and organizational performance.

Attendees: Melissa McGarry, Jim Stertz, Mike Van Essen, James Dolan, Dick Granlund, Susan Markes, Crosby King, Maddie Smith, Russ Hane, Alison Leintz

Students:

Topic	Discussion/Outcome <i>Indicate any Motions presented and Voting Outcomes</i>	Action	Follow-up
Approval of Minutes	Review of minutes Motion to approve? Mike Van Essen, 2 nd – Jim Stertz, Carried	Introductions were made Alison commented	
Call for additional agenda items			
Follow up Agenda Items			

Dean Updates:			
	<p>Not a lot of updates, thank you for being patient through all of the changes we have had to do keep our students being served. Alison thanked faculty for the hard work they have done to help the students complete their work. Craig said that the program is doing work remotely, except for labs which are on campus. Getting more familiar with working with Zoom so are able to teach better, learning new opportunities for faculty. We know that things have been challenging in industry as well. We are doing our best to get people into the pipeline for them.</p> <p>Zoom is the plan to continue for meetings unless otherwise notified. Normally would do an advisory dinner in the spring but we are anticipating we won't be able to - but will see what happens.</p>		
Faculty:	<p>___ Informational ___ Discussion ___ Vote ___ For ___ Opposed</p>		
Program/Department Work Plan	<p>Alison talked about how the academic programs work in the 3-year program advancement cycle to judge how effective the programs are. During that process faculty will discover strengths and challenges. Work plans are developed from that process to address and meet goals. MACH is in year 1 of the cycle. There has been some curriculum work that is in the process for the</p>		

	<p>program. These changes have been based on industry input. Also did some work on realigning the goals for classes, which will probably a big part of the workplans. Craig said they are looking at some older courses that haven't been run for a while and look at replace into some certificates. Asked opinion of industry. James talked about Swiss machinists to use Esprit, Craig said that they could look at that. Mike Van Essen also talked about Esprit.</p> <p>Said that wire EDM went down, and is very expensive to get it repaired. Should we keep the wire EDM going? Possibility of a donation? Discussion on that and some possibilities. Will work on that later. Craig would like to keep the Wire EDM in the program since a lot of industry use it; discussion around it. EDM is 2 CR course mostly</p>		
	<p>Alison shared some goals for the EDM course and will send via email to all. She asked everyone to review it and offer any ideas on it. Any initial reaction to the list. Dick said there is a 2 CR class, required on tool die and mold - otherwise a tech elective, talked about how he uses it within his tool & Die work. How long are these 2 credits? 1 lecture 1 lab = total of 48 hours (32 hrs lab, 16 lecture. Alison will ask you to look at the first word of each to make sure that the elements align with what industry wants. Example – she doesn't see Design, is that something that belongs. If industry</p>		

	<p>will just send their thoughts, faculty will be able to look into it and see if those ideas are in some other areas,</p>		
<p>Budget and Equipment Planning</p>	<p>Got our CNC, got Swiss Want to get 3 new grinders, trying to switch out wants for 1st year getting equipment one year, 2nd year gets something the next years, etc. MazaCAM will be coming. Alison said that as Craig alluded to, budgets are tight (as in everywhere). As a standard, MINNSTATE has a program called leveraged equipment. Up to \$500K in in-kind equipment donations have been matched by the state. Due to COVID and budget concerns, equipment budgets got cut, then learned that the state match (leveraged) was also cut due to other budget issues. There is some money that can be advocated for. We are hopeful that leveraged equipment dollars will be back next year. Just heard that there is a little bit of money available. MACH program is one of the programs that might be eligible to get those funds. The industry donations have made this possible, THANK YOU for these truly valuable donations. Will be requesting and possibly be able to get a grinder. Still in very tight budget due to COVID. A new grinder is 23K for a basic small one (last year). Can whittle away at the list</p>		

Students:	___ Informational ___ Discussion ___ Vote _#_ For _#_ Opposed		
Enrollment Services updates	Maddie is working on students who have completed 75% and get them registered for next semester. Hopefully will work to get them completed. Maddie thanked Craig for being the only faculty who followed up/responded to her email. Craig explained what Maddie was talking about to increase retention rates. He's hoping it works out well for distributing scholarships/grants. Alison encourage them to keep Maddie in the loop. Got 20K and has applied for another one and will hopefully get it to 1 st year students to keep them in the program to finish.		
Student Success Rates(A-C, P)	2018-85% 2019-83% 2020-83%	Wanting to keep industry partners in the loop the challenges and successes we have in keeping students. Success rates are in the mid-80s so that is good	
Student Demographics/Course Pass Rates			
Program Stop-out/Drop-out Rates(FN, FW, W, D (letter grade))	2018-15% 2019-17% 2020-17%		
Job Placement Rates			
Curriculum:	___ Informational ___ Discussion ___ Vote _#_ For _#_ Opposed		
Programmatic Accreditation (if applicable)	*		
Discussion of EDM Course Add'			

Review 25% of the outcomes in the program courses	Will be sharing more information on this section. Alison talked about how each year, faculty will do a review of a third of the program outcomes. Hopefully more info in the spring		
Curriculum Recommendations	<p>Any other curriculum questions or updates. Craig – getting rid of some of the courses, maybe move to QA and will be doing some revamping of courses. Will run these changes past advisory members as we come up with changes. Maybe working on goals, do a little clean up before approval change.</p> <p>Last semester, need to look at 2 cr quality course. Would be nice to run one section in afternoons – students need it.</p> <p>If anyone is aware of someone who might want to teach in the quality area, please let us know – Alison would love to talk with them. we had discussed expanding the quality certificate into a diploma</p>		
Industry Partner Updates	<input type="checkbox"/> Informational <input type="checkbox"/> Discussion <input type="checkbox"/> Vote <input type="checkbox"/> For <input type="checkbox"/> Opposed		
Add as required			
Program Assessment Outcome Results:	<input type="checkbox"/> Informational <input type="checkbox"/> Discussion <input type="checkbox"/> Vote <input type="checkbox"/> For <input type="checkbox"/> Opposed		
Program Awards Conferred(Duplicated)			
Retention Rates	2018-67 2019-49 2020-64%	Alison went over the numbers and said that as part of program review these numbers will be looked at. Would like a much better retention rate and said that industry can help if they know of students who are running into barriers in completing or what concerns are. Helpful for	

		industry to encourage the students. Alison mentioned that we have a job board so if the industry is looking for students, let faculty know and also put on the board. Better success in sending opportunities directly to the faculty.	
Licensure pass rates(if applicable)			
Industry trends	<p>Jim Stertz work has slowed down, but is starting to pick up. Russ has seen that machining for this year compared to last year is down 30-40%. Has seen that Midwest has been hit the hardest with significant drop off. Have seen heavy industry and agriculture. Thins that more and more people are talking about automation. Can't get enough people. UMC looking at taking robots and having nearly fully automation from start to finish. Is HTC looking at automation for Machining for the future? EP has robotics/packaging/Fanuc.</p> <p>Mike – pretty decent through July, August, coming back. Elective surgeries are the biggest problem from medical side. Said that if/when we get back to normal there is pent up demand for that.</p> <p>James said Ditech – really hit hard in July, but continue to push forward. Slowly but surely. That's a positive for us if students start to see that.</p>		

Anything else? Craig MPNA started a class this fall, 10 month course

Motion to close – Mike Van Essen, Russ – seconded, James 'third'!