Advisory Committee Meeting Minutes

PROGRAM COMMITTEE NAME:	Machining Technology Program			
CHAIRPERSON:	John Cunningham			
MEETING DATE:	10-Nov-16	**MEETING TIME:** 2:00 p.m.	**MEETING PLACE:**	East Campus - Manufacturing Education Center, Room 104
RECORDER:	Debra Russell		**PREVIOUS MEETING:**	7-Apr-16

COMMITTEE MEMBERS

List all members of the committee, then place an X in the box left of name if present

	NAME	TITLE	EMPLOYER INFO	PHONE	EMAIL
	Kenneth Baltez	Machinist	CDS Industrial	(806) 372-8930	waterjet@cdsindustrial.com
	James Baker	Production Manager	Amarillo Gear Co.	(806) 622-1273	jbaker@amarillogear.com
X	Karyn Pierce	Director, Career & Technical	Amarillo ISD	(806) 326-1305	karyn.pierce@amaisd.org
X	David Gibson	Instructor	Amarillo ISD - Caprock High School	(806) 326-2265	david.gibson@amaisd.org
X	Michael Haning	CEO	CDS Industrial / DISCO	(806) 543-9955	michael@disco-inc.com
	Chad Henderson	Machine Shop Supervisor	ASARCO, LLC	(806) 468-4004	chenderson@asarco.com
	Jamie Bowen	Maintenance Supervisor	ASARCO, LLC	(806) 468-4000	jbowen@asarco.com
X	John Herrera	Craft Supervisor	Pantex	(806) 477-3413	jherrera@pantex.com
X	Shelby Sumpter	Territory Productivity Engineer	Sandvik Coromant Co.	(806) 500-5382	shelby.sumpter@sandvik.com
X	Greg Hudspeth	Vice President	City Machine and Welding	(806) 358-7293	ghudspeth@cmwelding.com
	Chris Kerbo	Manager	Hunting Titan	(806) 665-3781	chris.kerbo@hunting-intl.com
	John Mitchell	Machining & Welding Supervisor	TASCO	(806) 335-2301	john.mitchell@tyson.com
	Jared Morland	General Manager	CDS Industrial	(806) 372-8930	jaredm@cdsindustrial.com
X	Ronnie Nemoede	Machinist	City Machine	(806) 358-7295	ronnie@cmwelding.com
X	Chris Swenson	CEO	Swenson Machine	(806) 622-2730	chrisswenson@suddenlinkmail.com
X	Nancy Allen		VTS, Inc.	(806) 743-5555	nallen@vtsfabs.com
X	Cheyanna New	Human Resources	VTS, Inc.	(806) 743-5555	cnew@vtsfabs.com

EX-OFFICIO'S PRESENT

X	Robert Gustin	Instructor, Machining Technologies	Amarillo College	(806) 335-4332	rlgustin@actx.edu
X	Dr. Kim Hays	Chair, Manufacturing Tech Dept	Amarillo College	(806) 335-4366	kthays@actx.edu
X	Debra Russell	Sr. Secretary, Mfg Tech Dept	Amarillo College	(806) 335-4390	dlrussell@actx.edu
X	Amy Linquist	Staff Assistant, Mfg Tech Dept	Amarillo College	(806) 335-4216	arevans42@actx.edu
X	Jeff Wallick	Coordinator, Technical Trng	Amarillo College	(806) 335-4228	jwallick@actx.edu
X	Megan Eikner	Dean, Technical Education	Amarillo College	(806) 335-4352	meeikner@actx.edu
X	Claudia Arnold	Advisor, Technical Education	Amarillo College	(806) 335-4301	caarnold@actx.edu

AGENDA ITEM	ACTION DISCUSSION INFORMATION	RESPONSIBILITY
Old Business:	No old business	
Continuing Business:	No continuing business	
New Business:		
Welcome / Introductions		John Cunningham
Curriculum Decisions:		
Program Curriculum & Status		Bob Gustin / Dr. Kim Hays
Other:		
Open Discussion		

KEY DISCUSSION POINTS	DISCUSSION
Old Business:	No old business
Continuing Business:	No continuing business
New Business:	
Welcome / Introductions	In John Cunningham's absence, Michael Haning opened the meeting with a welcome. After introductions were made, Dr. Hays thanked everyone for coming and explained that it is a requirement to have advisory committees and how important it is that Amarillo College has good guidance from industry. He said it is hard to do the job of teaching because of political requirements. Amarillo College has good programs because of good teachers, but administration doesn't understand the technical areas or how hard it is to find good teachers in those areas. Another issue concerns the requirements to get into the Machining program. The standard was raised to only allow students into the program who were able to pass the college entrance test. The college-ready students demonstrated more success in their classes, had better soft skills and were more employable, but administration stressed that standards were to be lowered to allow all students including ones who were not college ready and would probably struggle to be successful. Dr. Hays emphasized that it is very critical for industry to give their input what they want as employees.
Program Curriculum and Status	Bob Gustin reported that Amarillo College is one of only three schools in the State of Texas to be nationally accredited with the National Institute of Metalworking Skills (NIMS). Advisory Committee meetings are also a requirement of NIMS. The program teaches to a NIMS level one standard. During this semester, there are four students credentialing in at least one project each and two night students are making parts toward four more credentials Projects the students can credential in start out with Bench Work and Layout and gradually work up to more advanced levels with a total of eleven different projects being offered.

Program Curriculum and Status	To credential, students make the precision parts, then the parts go out to industry members of the MET-TEC committee to be graded. Once parts are successfully graded by two different members, affidavits are sent to NIMS headquarters. Students are then eligible to take an online test relating to the part they have made. Students receive credentials when they pass the online test. If they can't make the part, they won't pass the test. Bob explained that students are not currently required to achieve the NIMS certifications, but when the Machining program changes into an accelerated program it will be a requirement for each student to hold at least three credentials by the time they graduate. These credentials will benefit the student because it will make them more employable and the credentials are accepted throughout the United States and Canada. Starting in the Fall of 2017, the Machining program will change scheduling to become an accelerated program that will be nights only. Students will first have to pass a core of basic classes then they will get into the program classes. One new class is just for students to focus on their NIMS credentials. The Machining program has been getting good quality students by raising the standards. Students are more dedicated and ready for employment. Better retention has also been a result of the higher standards. Chris Swenson reported that he has graded many of the credentialing projects and they have been very good pieces that the students have made. John Herrera questioned if metallurgy was taught. Bob explained that metallurgy is basically in every class, especially in the Intermediate and Advanced classes as the students are doing heat treating on all their projects in those classes. It was explained that we have a full metallurgy lab available to the students. Megan explained the main reason behind the core classes is to give students basic skills they don't have. She reported that 65 percent of the technical students were at eighth grade level or below on math scores and when they do have the math skills, many do not know how to apply what they have learned in a shop setting. The technical programs are really trying to raise the standards and strongly advise that students get any remedial classes in advance. The raised standard seems to be working well. Megan reported that the average age of students on the East Campus is 27 years old. All members received copies of the current Machining curriculum and course descriptions in their packets. Megan explained that it is a requirement for industry to see our curriculum and have a chance to give us input.
Open Discussion	Many members said they could not find the caliber of employees they need. Cheyanna New reported that their business in Lubbock is even having trouble getting qualified employees that are graduates from other colleges. There was quite a bit of discussion about the difference in "button pushers" and machinists. Most members agreed that they don't need anymore button pushers, they need the machinists that the Machining program is putting out for this area and that it is a vital program to industry. The area has lost any machining apprenticeships and now in essence, the Machining program has taken the place of apprenticeships. Chris Swenson stressed it must start in the high school area, but if Amarillo College drops the program it will hurt the area tremendously.

Open Discussion	Dave Gibson says he pushes students from the Caprock Machining program into the Amarillo College Machining program as it is a good foundation for any student wanting be to an engineer. He also said the Caprock students come out to the College and use the CNC machines for their classes. There was much discussion about the Amarillo Independant School District (A.I.S.D.) and the technical programs that are offered in the area high schools. Karyn Pierce emphasized there are still some good technical programs in the high schools. For a few years state requirements prevented much room for students to take technical programs. HouseBill 5 has now allowed for more flexibility for students to take technical education and can take career pathways that lead to more technical interests. Megan spoke of a partnership with Amarillo College and A.I.S.D. to apply for a grant which focuses on tracking students starting in middle school in the career pathways of welding, machining and automotive. Several members mentioned that they can come talk to the Machining students. Michael Haning said it is imperative that the program keep the higher standards. He mentioned that one of his employees is taking the machining classes and is learning many things. Megan reported that Amarillo College cannot go out of the 26 county region for recruiting, but can go out of state. She and Jeff are working on ideas to attract students from other areas and other states that have more machining. Dave Gibson reemphasized that both the Caprock and Amarillo College Machining programs really need input from the industry members about how the programs are doing and if anything needs to be done different. Dr. Hays stressed that Advisory members have the right to say what is needed including the standards set, the teachers hired, the machines used and the curriculum taught. Administration needs to hear what industry wants Amarillo College to produce. With no further discussion the motion was made by Michael Haning to close the meeting. Seconded by Dave Gibson and Karyn Pierce. The meeting was adjourned and members went to tour the program labs.

Recorder Signature: Debra L. Russell	**Date:** November 10, 2016	**Next Meeting:** Tenatively Spring 2017