## **Advisory Committee Meeting Minutes**

'n	PROGRAM COMMITTEE NAME	EE NAME:	Machining Technology Program			
Ω	CHAIRPERSON: Jo	John Cunningham				
≤	MEETING DATE: 15	15-Nov-19	MEETING TIME: 3:00 p.m.	MEETING PLACE: Eas	East Campus - Manufacturir	us - Manufacturing Education Center, Room 104
끘	RECORDER: D	Debra Russell		PREVIOUS MEETING: 15-F	15-Feb-19	
Т				COMMITTEE MEMBERS	The second secon	
<u></u>	st all members of th	ne committee, tl	List all members of the committee, then place an X in the box left of name if present	e if present		
	NAME	E	JITL	EMPLOYER INFO	PHONE	EMAIL
	Chris Kerbo		Manager	Hunting Titan	(806) 665-3781	chris.kerbo@hunting-intl.com
	Chris Swenson		CEO	Swenson Machine	(806) 622-2730	chrisswenson@suddenlinkmail.com
	Dashia Sanders			Bell Helicopter		dsanders@bellflight.com
×	David Gibson		Instructor	Amarillo ISD-Caprock High Schoo	ol (806) 236-4169	david.gibson@amaisd.org
×	Garrett Hall		Machine Shop Supervisor	ASARCO, LLC	(806) 468-4004	ghall@asarco.com
	Greg Hudspeth		Vice President	City Machine and Welding	(806) 358-7293	ghudspeth@cmwelding.com
×	X James Baker		CNC Supervisor	Amarillo Gear Co.	(806) 324-7575	jbaker@amarillogear.com
Π	Jared Morland	Approximate the second	General Manager	CDS Industrial	(806) 372-8930	jaredm@cdsindustrial.com
×	John Cunningham		Production Manager	Amarillo Gear Co.	(806) 676-9131	jcunningham@amarillogear.com
×	John Herrera		Craft Supervisor	CNS Pantex	(806) 477-3413	jherrera@cns.doe.gov
×	X John Mitchell		Machining & Welding Supervisor	TASCO	(806) 335-2301	john.mitchell@tyson.com
	Karyn Pierce		Director, Career & Technical	Amarillo ISD	(806) 326-1305	karyn.pierce@amaisd.org
	Michael Haning		CEO	CDS Industrial / DISCO	(806) 543-9955	michael@disco-inc.com
	Rickey Schoor		Territory Productivity Engineer	Sandvik Coromant Co.	(806) 224-6890	rickey.schoor@sandvik.com
					Manual Control of Cont	
				EX-OFFICIO'S PRESENT		
×	Claudia Arnold		Advisor, Technical Education	Amarillo College	(806) 335-4301	caarnold@actx.edu
×	David Hall		Associate Dean, Tech Education	Amarillo College	(806) 335-4309	dhall36@actx.edu
×	Debra Russell		Administrative Specialist, Tech Ed	Amarillo College	(806) 335-4390	dlrussell@actx.edu
×	Efrain Medrano		East Bookstore Manager	Amarillo College	(806) 335-4228	emmedrano@actx.edu
×	Dr. Kim Hays		Chair, Manufacturing Tech Dept	Amarillo College	(806) 335-4366	kthays@actx.edu
×	Dr. Linda Munoz		Dean, Technical Education	Amarillo College	(806) 335-4352	lmunoz27@actx.edu
×	Robert Gustin		Instructor, Machining Technologies	Amarillo College	(806) 335-4332	rlgustin@actx.edu

AGENDA ITEM	ACTION DISCUSSION INFORMATION	RESPONSIBILITY
Old Business:	No old business	
Continuing Business:	No continuing business	
New Business:		
Welcome / Introductions	C	John Cunningham
Curriculum Decisions:		
Program Curriculum & Status		Bob Gustin
NIMS Reaccreditation		
Other:		
Open Discussion		
KEY DISCUSSION POINTS	DISCUSSION	
Old Business:	No old business	
Continuing Business:	No continuing business	
New Business:		
Welcome / Introductions	John Cunningham opened the meeting with a welcome and all attendees introduced themselves. Dr. Hays recognized Efrain Medrano as the new manager of the East Campus Bookstore and explained that it is a vital part of the East Campus.	recognized Efrain Medran
	Bob Gustin reported that this semester is the biggest class he has had since being an instructor in the Machining program. students in the beginning Bench Work and Layout class. There are five advanced students that will graduate in December.	ining program. There are nine te in December.
	Curriculum has not changed since the last advisory meeting. Bob pointed out the handout showing the yearly rotation of classes. All advanced students hold at least one credential and are currently working on other multiple NIMS credentials. One student came from the Machining program at Caprock with three credentials and is working on his fifth one now.	ly rotation of classes. All One student came from
Program Curriculum	Last year, through Perkins Grants, the Machining program received two Harrison Lathes and a Trax CNC Conversational Program Mill. Goal is to phase out the Bridgeport mills and convert to Trax mills to start introducing CNC in earlier classes.	onversational Program Mill
and Status	Bob is going to move the first chance of taking a NIMS credential to the Machine Shop I class. Bob explained that the Bench Work and Layout class is the fundamentals class for Machining and teaches the introductory knowledge for students to prep them for beginning on lathes and mills in the Machine Shop I. Students will make projects but no credentials in the first semester. Bob and Dave Gibson explained the grading on the NIMS credentials is 100 percent or nothing. If students don't build up to the knowledge and experience they need to pass the credentials then the failure rate for students would be very high.	ad that the Bench Work and prep them for beginning on Bob and Dave Gibson welde and experience the constant of the series of the
	Dr. Munoz asked the question about when it is in the program that students leave. It was explained that students leave in the first two [support] classes when they have to learn math and be in good attendance in their classes. It was also explained that if students ever try to start in the middle of the program without the beginning classes, they are usually not successful.	Jents leave in the first two ained that if students ever

Recorder Signature: 🏲 Open Discussion With no further discussion, the meeting was adjourned at 4:00 p.m.. by industry. It was mentioned that the days of the traditional apprenticeship are a thing of the past in this region. get work experience for students. Dave Gibson from Caprock says we need to be looking at internship but it must reflect availability needed only has a closed apprenticeship for their machinists. It was explained that Technical Education has been charged to develop a system to people on the machines out on the shop floor. They also had a training program for a while with Tooling U. ASARCO is union shop and to industry to get experience. Amarillo Gear does some internships with WTAMU in the engineering area but are reluctant to put new The question came up about work-based learning - apprenticeships, internships or job shadowing - to give students the opportunity to come make a video to take into high schools to use for recruiting. She was also a graduate of the Amarillo College Machining program. Dr. Munoz reported that sometimes grant funding can be tied to the employees is a past Machining student. Pantex has no women on the shop floor but one in the tool area and one in charge of materials. female students at Amarillo College versus 5 percent females working in machining in the United States. Amarillo Gear reported one non-traditional students. Many agreed that the image of the Machining industry keeps many females out of the career. It was suggested to ASARCO, until recently, had one female in both maintenance and the machine shop and was only one in the history of the Amarillo plant. female on the shop floor running machines, one female in procurement and one female in the engineering area. One of their female percentage of women in our manufacturing programs than the percentage of women working in the machining industry - 13 percent of There was discussion about recruiting for gender and ethnic diversity. In research by Dr. Munoz, she found that data showed a higher Date: December 13, 2019 **Next Meeting:** Tentatively Spring 2020