

PROGRAM COMMITTEE NAME:	ADVISORY COMMITTEE – NETWORKING & CYBER SECURITY				
CHAIRPERSON:	Heath Patterson				
MEETING DATE:	11/21/14	MEETING TIME:	12:05 P.M.	MEETING PLACE:	Lynne Library 207 – The Forum
RECORDER:	Toni Van Dyke			PREVIOUS MEETING:	

COMMITTEE MEMBERS

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

	NAME	TITLE	EMPLOYER INFO	PHONE	EMAIL
	Gerard Carter	Chief Information Officer	Moore County Hospital	806-677-6179	gcarter@mchd.net
X	Rick Cagle	Technology Director	Bushland ISD	806-322-1178	cagle@buhlandisd.net
X	Brad Sanders	Manager	Westgate Computers	806-652-4243	bsanders@westgatecomputers.com
	Diane Murphy	Dean, School of Business & Technology	Oklahoma Panhandle State University	580-349-1446	diane@opsu.edu
	LeAnn Estep	Director, Career & Technology	Amarillo ISD	806-326-1319	leann.estep@amaisd.org
X	Daniel Albright	Student Representative	Amarillo College-Student worker	806-371-5989	dalbright21@amarillocollege.com
X	Heath Patterson	Cyber Technologist	Pantex	806-477-4185	hpatterson@gmail.com
X	Lee Colaw	Chief Information Officer	Amarillo College	806-371-5151	lmcolaw@actx.edu
X	Gary Douglass	Consultant	Self Employed	806-359-3816	jgd53@msn.com
X	Ervin Frenzel	Consultant	Frenzel Computer Services	806-570-7659	ervinfrenzel@hotmail.com
EX-OFFICIO'S PRESENT					
X	Carol Buse	Chair, CIS Department	Amarillo College	806-371-5994	acbuse@actx.edu
X	Gil Carnahan	Program. Coordinator, Networking & Cyber Security	Amarillo College	806-371-5275	gccarnahan@actx.edu
X	Toni Gray	Director of Criminal Justice Programs	Amarillo College	806-354-6083	tbgray@actx.edu
X	Donna Pergrem	Advising Associate	Amarillo College	806-371-5451	drpergrem@actx.edu
X	Bruce Moseley	Chair, Business Department	Amarillo College	806-345-5551	bamoseley@actx.edu
X	Kathy Wetzel	Dean of Stem	Amarillo College	806-371-5097	kcwetzel@actx.edu
X	Dewayne Higgs	Professor	Amarillo College	806-371-5217	djhiggs@actx.edu
X	Rashmi Pillai	CIS Lab Administrator	Amarillo College	806-371-5220	rspillai@actx.edu
X	Joseph Melius	CIS Lab Supervisor	Amarillo College	806-371-5221	jamelius@actx.edu

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χ	Mark Usnick	Associate Professor, CIS Department	Amarillo College	806-371-5239	mcusnick@actx.edu
χ	Karen Boatman	Professor	Amarillo College	806-371-5930	keboatman@actx.edu
χ	Christopher George	Professor	Amarillo College	806-679-3519	c0245396@actx.edu
χ	Jerry Moller	Vice President of Academic Affairs	Amarillo College	806-371-5297	jemoller@actx.edu
χ	Susie Wheeler	Grants Coordinator	Amarillo College	806-371-5253	Susie.wheeler@actx.edu
	Lynne Seal	Professor	Amarillo College	806-371-5219	lseal@actx.edu
	Jana Carver	Professor	Amarillo College	806-371-5374	jicarver@actx.edu

AGENDA ITEM	ACTION DISCUSSION INFORMATION	RESPONSIBILITY
Old Business:		
Continuing Business:		
New Business:	Proposed changes to curriculum for CETT.NT.AAS degree. Add certificates to the program.	Carol Buse
Curriculum Decisions:	The committee members unanimously agreed to proposed changes.	Advisory Committee
Other:		
KEY DISCUSSION POINTS	DISCUSSION	
Old Business:		
Continuing Business		
New Business:		

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Curriculum Decisions:

The meeting was called to order at 12:05 p.m. As the first order of business, introductions were made among the committee members. Since this is a new committee, Dr. Buse asked for a volunteer for committee chair. Heath Patterson volunteered to be the Committee Chairman.

Outlines provided. Dr. Buse gave a quick overview of the degrees offered by the CIS department. Next, she gave a brief history of the CIS department. Then Dr. Buse gave a brief history on the Computer Networking Cyber Security. The program started in Fall 2012 with 82 declared majors and have grown to 187 declared majors. This semester is the first group of students graduating from the Cyber Security program.

Dr. Buse mention the AAS degree in Cyber Security, it is a 67 credit hour degree. We have to get it down to 60 credit hours per the law in Texas. Currently, there are 5 Cisco classes and 4 Cyber Security classes this will change today.

Some of the benefit that the CIS department has for the students are:

- Certified Microsoft Testing Facility (MOS Exams, etc.)
- PearsonVue Testing Facility
- CompTIA Academy
- Cisco Academy
- 11 Computer Labs – 3 labs are devoted to Cyber Security
- Staff to assist students
- Small Classes (14-20 students)

Most of the classes are geared towards some kind of certification. The certifications are not required but the students are trained for the certifications just in case they want to take the test. In the last 2 years, we have administered over 391 test, not just to AC students and faculty, but also to the community.

The goal for the program is:

- Reduce degree from 67 credit hours to 60 credit hours
- Align curriculum with the Center for Academic Excellence Core Knowledge Units (CAE2Y)
- Provide stackable certificates to
 - a. Encourage student completion
 - b. Increase program flexibility
 - c. Provide continuing educational to professionals

National Centers of Academic Excellence (CAE2Y) is a joint program of the National Security Agency (NSA) and the Department of Homeland Security (DHS). CAE2Y designation gives recognition to schools that provide “innovative, comprehensive, and multidisciplinary education in information assurance”.

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Proposed changes to the Cyber Security AAS:

- Reduce the four Cisco classes from four credit hours to three credit hours.
- Move Business Computer Applications from major course requirements to the academic core requirement under social and behavioral sciences.
- Replace advance VoIP with Intrusion Detection.
- Replace two homeland security classes with Business Law and Criminal Investigation.

Heath Patterson moved for motion and the committee voted unanimously for the changes. The new changes will get the Computer Networking / Cyber Security AAS down to 60 credit hours and will align the curriculum with the CAE2Y Core Knowledge Units.

The certificates proposal was the next item up to vote. Stackable certificates will help students achieve smaller goals on the way to their larger goals. This will also give students more flexibility. The certificates are also good for anyone wanting to come back, refining their job skills, and prepping them for getting industry certifications.

The proposed certifications are:

- 15 hour certificate in Networking Essentials
Committee voted unanimously for the changes
- 15 hour certificate in Digital Forensic Fundamentals
Committee voted unanimously for the changes
- 27 hour certificate in Network Administration
Committee voted unanimously for the changes
- 30 hour certificate in Cyber Security
Committee voted unanimously for the changes

Questions from advisory committee:

1. Will the Business Law class touch the medical aspect?
Yes, it will cover HEPA and the will add several things to its agenda to align with the knowledge units.
2. Are there any prerequisites for the Business Law class?
Yes, college level reading.
3. Are the certificates geared more towards high schools students or towards adults?

It is flexible. The Networking Essential certificate feeds into the Computer Networking/Cyber Security AAS degree and the Computer Information Systems AAS degree. The Digital Forensic Fundamentals certificate feeds into the Computer Networking/Cyber Security AAS, Legal Studies AAS, and the Criminal Studies AAS. This is perfect for

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	<p>students who are still unsure on what degree they want to obtain.</p> <p>4. From the industry perspective, will the certificates be assets for hire ability for an entry-level position? Yes, because of the certifications that the class get you ready for, such as A+, Network+, etc. There are a lot more jobs openings than we have students.</p> <p>5. Getting the curriculum aligned with the CAE2Y would put us at one of four schools with the certification. What do you think in terms on what is going to be involved next in terms of getting this approval? We will need to have faculty that have the certification. We are currently making connections with four-year schools, other departments with bringing Toni and Bruce in to help with that, and K-12, We need to make a connection with a four-year college that already has that designation.</p> <p>6. What are the big concerns for what could be done or may not be done? Overall, what do the students need to be doing? The students are gaining the certifications quickly. Trying to get them some experience and in the field so that they can get more hands on experience. Finding internships is a challenge for the program.</p> <p>7. Which four year school in Texas are CA2Y San Angelo State, University of Texas, University of Houston</p> <p>Dr. Buse thanked everyone for coming. Meeting adjourned at 12:52 P.M.</p>	
Other:	The next Advisory Committee meeting will take place in 2015, precise date to be determined later.	
Chairperson Signature: Heath Patterson, Advisory Committee Chair	Date: 12/1/14	Next Meeting: To be determined