DRAFTING ADVISORY COMMITTEE MINUTES

PROGRAM	COMMITTEE NAME:	DRAFTING				
CHAIRPERSON: Ken George		MEETING PLACE: WSC-WARE-204 Team Space MEETING DATE: 3/29/2016 MEETING TIME: 6:30PM				
RECORDER	: Donna Salter	PREVIOUS MEETING: Wednesda	y, October 28, 2015, 6:30 pm, WSC-WA	RE-204 Team Space		
			COMMITTEE MEMBERS			
ATTENDED	NAME	TITLE	EMPLOYER INFO	PHONE	EMAIL	
X	Mike Bahn	Owner	ABC Blueprint	806-376-5671	bahnmike@gmail.com	
nn	Mary Ellen Brandt	Engineer	Brandt Engineering	806-353-7233	brandt@brandtengineers.com	
х	Ken George	Designer	Xcel Energy	806-378-2139	kenneth.g.george@xcelenergy.com	
	Don Roden	Dept. Supervisor	Zachry	806-359-2450	RodenD@zachrygroup.com	
	Jack Walser	Designer	Drawing Board		jackw@tdbamarillo.com	
	Jerry Goebel	Sr. Designer	Officewise	806-372-2236	jgoebel@officewiseco.com	
	Mason Rogers, AIA		Playa Design Studio	806-206-6513	mason@playadesignstudio.com	
	Sara DeGrood, AIA		Lavin & Assoc.	806-358-7069	sdegrood@lavinarchitects.com	
. "	Gregg Bliss, AIA	Architect	Gregg Bliss, Architect	806-372-2966	greggbliss@msn.com	
Х	Chris Gleason		Public Steel, Inc.		chris@publicsteel.com	
Х	Jacob Moreno	Project Design Manager	Altura Engineering & Design	888-947-6066 – Office	Jacob.moreno@alturaengineering.com	
	Zac Plummer		City of Amarillo Traffic Engineering		zac@pharisstructural.com	
	J. D. Davis		Davis Geomatics		jdavis@geopro.us	
	Tim Devenney	Senior Cadd Support Specialist	Zachry		devenneyt@zachrygroup.com	
X	Ryan. Brewer	AC Drafting graduate	3D expert with Greencrete Contractors		r.s.brewer@hotmail.com	
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EX-OFFICIO MEMBERS PRESENT					
х	Julie Sutton	Drafting Faculty	AC	806-345-5647	j0075170@actx.edu
х	Dan McCall	Drafting Faculty	AC	806-345-5644	dwmccall@actx.edu

	Ruth De Anda	Advising Associate	AC	806-3711-5212	r0343730@actx.edu
	Dr. Deborah Vess	VP of Academic Affairs	AC	806-371-5226	d0551113@actx.edu
x	Victoria Taylor-Gore	Chair, Visual Arts and Design / Dean, School of Creative Arts	AC	806-371-5982 or 806-676-3659	vtaylorgore@actx.edu
	Becky Burton	Assistant Professor-Radiography and Curriculum Specialist	AC	806-371-5122	bkburton@actx.edu
	Susie Wheeler	Grants Coordinator - Planning and Assessment	AC	806-371-5352	lswheeler@actx.edu

- 1. Welcome Victoria Taylor-Gore welcomed the committee.
- 2. Appointment of the advisory Committee chairperson Ken George was appointed as chairperson of the committee.

3. Introductions

- Ryan Brewer is a 3D expert and Greencrete and was invited to the meeting by Dan McCall. Ryan is a former student, and Dan McCall said that Ryan would be a great part time faculty for our program.
- Ken George told us that he is a former AC student and had taught 8-9 classes for AC in the past. He supervises the drafting and design for the power plant at Xcel. Four divisions at Excel has employed over 25 drafting graduates from AC. This program is very important to Xcel, and losing it would have a major impact on Xcel.
- Chris Gleason was glad to be invited. His company Public Steel has also hired many AC graduates. Chris said he is a former AC drafting student and would like to see the program continue.
- Mike Bahn and Jacob Moreno arrived late and only briefly introduced themselves.
- Ex-officio members introduced themselves. Victoria Taylor-Gore noted that Don Roden (Zachry Engineering) was not able to attend because of activities he had to attend with out of town business guests.
- 4. Review and approval of the minutes from the previous meeting

Changes to the Drafting AAS and certificates

- The members that had attended the previous meeting reviewed the notes. Dan McCall motioned that the committee approve the minutes, Mike Bahn seconded the motion, and all members approved.
- 5. Curriculum and Ex-Officio Member Reports -
 - VTG (Victoria Taylor-Gore) informed the committee that fall schedule will be open to new drafting students, and AC is taking new drafting majors. AC is also offering introductory drafting courses. The committee was very pleased about this. VTG said that moving forward with the AAS program requires one full time

faculty (SACS requirement), but future funding for a full time faculty will depend on increasing enrollment. Drafting enrollment has dropped from around 60 majors

last semester to around 40 this semester. We plan to get the word out to the high schools and related businesses that the drafting AAS and the certificate will be continuing.

VTG said that we propose to streamline the Drafting Technician Certificate and include drafting courses that are taught by area high schools to open up opportunities for dual credit and articulation agreements. We will take out the Interior Architecture track from the Drafting AAS, remove INDS 1311 – Fundamentals of Interior Design from the major course requirements in the Drafting AAS, and add another course in place of INDS 1311 – Fundamentals of Interior Design in the major course requirements of the Drafting AAS.

Julie Sutton discussed ARTS 1311 – Design I in place of INDS 1311 – Fundamentals of Interior Design because both courses teach principles of design. Julie also said that design principles could be included in other drafting courses. She also asked the committee if DFTG 2328 – Architectural Drafting Commercial should be kept in the AAS since it covered lots of very general topics that were also covered in other courses. Jacob Moreno said that he thought that the redundancy in DFTG 2323 was useful to students. Julie also informed the committee that students questioned if DFTG 2323 - Advanced Computer Aided Drafting would be used in the field. Dan McCall explained that students need to learn about operating systems, macros, keyboard shortcuts, how to configure, troubleshoot, and install CAD software especially if they are hired by a company that does not have an IT department. Ryan Brewer agreed with Dan and said that he uses these skills in his job. Ken also agreed that smaller firms need the skills in DFTG 2323. Ken George will be teaching DFTG 2323 next semester and is also trying to recruit other part time teachers for our program. The committee agreed to keep DFTG 2323 in the curriculum.

VTG brought up DFGT 2321 - Topographical Drafting to replace INDS 1311 – Fundamentals of Interior Design since at last fall's advisory committee meeting the members were interested in surveying. She explained that other surveying courses at AC had too many prerequisites. The members agreed that DFTG 2321 – Topographical Drafting would be useful, and Ryan discussed the value of topographical drafting to students and that he could give demonstrations for that class. Ken could teach Topographical Drafting since he has taught it twice before. Jacob Moreno could give a demonstration of Point Cloud 3D scanning software to the Topographical Drafting class. Jacob Moreno motioned to add DFGT 2321 - Topographical Drafting to replace INDS 1311 – Fundamentals of Interior Design in the Drafting AAS and Mike Bahn seconded the motion – the committee was all in favor of the motion. The proposed revised Drafting Technician Certificate was discussed. VTG explained that this revised certificate was stackable into the Drafting AAS and helped the program get more completers. The courses in the revised Drafting Technician Certificate (DFTG 1305, 1309, 1317, 1333, 1370, 1372, 2319, and 2340) include several drafting courses that are taught in area high schools, and this would help with articulation and dual credit with the high schools. Ken said that high school teachers were teaching students drafting for engineering. Jacob Moreno said that the proposed new certificate included courses suitable for entry level positions. The committee agreed that they would hire students with the certificate for entry level positions even though the Drafting AAS was preferred. Mike Bahn asked if the drafting degrees transferred, and VTG explained that they were WECM technical courses and would not transfer unless there was an articulation agreement with another institution. The technical programs prepared students for jobs. There was a discussion about moving drafting courses to 8 week courses, and the committee all agreed that 16 week courses were

beneficial to drafting majors and 8 week courses were not viable for drafting majors. VTG explained that INDS courses would not be taught anymore, and other existing courses would be substituted for remaining INDS courses.

- Faculty changes

VTG went over the retirements of Dan McCall and Tony Thomas were discussed. Ann Fry took a new job at WTAMU and three adjuncts took over her classes mid semester. Julie Sutton had become temporary full time to handle Ann's teaching load.

Articulation agreements/recruiting efforts

VTG explained that we were going to reach out to high schools that currently teach drafting courses and let them know the current status of the program. We also want to develop articulation agreements and dual credit. The committee agreed this was very important. The committee recommended to add AACAL to the high schools we could work with, and AACAL has a 3D printer. VTG said that she planned to get a handout about drafting ready to take to the high schools. Also VTG will invite high school drafting teachers to the next advisory committee meeting.

- 6. Reports from the Division Advisor (advisor was not present)
- 7. Old Business see other notes.
- 8. New Business
 - Vote on revised Drafting AAS (select additional course and any other suggestions) Jacob Moreno motioned to revise the Drafting AAS as proposed with the addition of DFTG 2321 Topographical Drafting in place of INDS 1311 Fundamentals of Interior Design, Mike Bahn seconded the motion, and it was unanimously passed.
 - Vote on the revised Drafting Technician Certificate Ken motioned that the new proposed Drafting Technician Certificate be passed, and Mike Bahn seconded the motion. The motion passed unanimously.
 - Vote on Software needs

The committee went over the current drafting software used for drafting courses (AutoCAD, Microstation (Bentley), and Chief Architect), and they endorsed all the current software. These are all programs students need in the industry. Bentley is used exclusively at Zachry, and the City, Xcel, and Pantex uses it. Chief Architect and AutoCAD is the second most popular software used in industry.

Technical Drafting needs

Julie discussed the expense for supplies in DGTG 1305 – Technical Drafting and wondered if local companies could donate supplies that student could check out. She said the expense for students for that course was around \$100. Mike asked if graduating student could sell back their supplies at half price to other students.

Computers / printing

Dan McCall told the committee that with new versions of software coming out, the 24 computers in the drafting lab would need to be updated. VTG explained that the lab was due for new computers with the computer rotation schedule of AC labs, but that she didn't know when the next replacement. VTG agreed to find out when the next rotation of computers for the drafting lab would be scheduled. The committee also discussed minimum computer requirements (including 8 gigs of memory) for running CAD software. Ken George said that the drafting field required computers with powerful graphics, memory, and at least 8 gigs of RAM. The committee and faculty discussed how slower computers kept student stations tied up while files are rendered, and slower computers would become a problem for the program.

Julie brought up the cost of printing, and status of printers. Julie said that the HP printer didn't print a clean print, and the Epson printer had no support. There are also two wide format printers. KVTG asked if current printer would last for next year, and the answer was yes – but some new printers are probably going to need to be replaced in next year's budget. The committee agreed that students being able to print their project was crucial to the program. Ken George stressed that printing is key to the health of the program, and not being able to print "will affect whether a student stays in the program." The 3D printers that the Drafting program has was also discussed with the committee. The committee agreed that it is good to expose drafting students to 3D printing.

- Fundraising

The committee wanted to make sure donations would go directly to the Drafting program, and VTG assured them this is possible. Ken George noted that this program has supplied local industry and businesses such as Bell Helicopter with drafters, so we should go knock on their doors. The drafting program is so important to this community and it has a history of providing a service to the community. We need to define issues to get funding – what is a temporary funding need and what is an emergency need to rebuild the program? We should tap these industry resources. VTG told the committee about Mark White helping the college with fundraising, and Ken George would like to meet with Mark White and Dr. Vess. The committee said that the goal should be under \$100,000 for a better response, and define short term and long term funding needs including teaching needs. Donations are a tax benefit to companies. Companies that were discussed to approach were Xcel, Zachry, Bell Hellicopter, and Pantex. VTG agreed to contact Mark White and Dr. Vess.

- Suggestions from committee members

Jacob Moreno explained Point Cloud (software for 3D laser scanning) scanner technology to create 3D models. The industry is moving away from traditional methods, and the committee agreed that 3D drawing and scanning technology is on the increase, but the software is very expensive. They recommended we keep this in mind for future instruction. Mike Bahn noted that the AC East Campus faculty had purchased 3 Total Stations that could be used in drafting courses, and Mike also wondered if East Campus had faculty that could teach drafting courses. VTG agreed to investigate the Total Stations and faculty at East Campus that may be able to help teach drafting.

9. Adjourn - the meeting adjourned at 8:50pm.

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ATTACHMENTS

PROPOSED REVISIONS TO THE DRAFTING AAS

- We are deleting the Interior Architecture option from the Drafting AAS degree
- We are deleting INDS 1311 Fundamentals of Interior Design from the Major Course Requirements in the Drafting AAS
- We are revising the remaining courses in the Drafting AAS

CURRENT

Program Requirements General Education Requirements (15 Semester Hours)

Communications - 3 Hours

1. ENGL 1301 - Composition I

Social/Behavioral Sciences - 3 Hours

2. Social and Behavioral Sciences

Life & Physical Sciences/Mathematics - 3 Hours

3. Mathematics

Language, Philosophy & Culture/Creative Arts - 3 Hours

4. ARTS 1316 - Drawing I

Institutional Requirement - 3 Hours

5. Speech

Major Course Requirements (15 Semester Hours)

- DFTG 1305 Technical Drafting
- DFTG 1309 Basic Computer-Aided Drafting
- DFTG 1317 Residential Drafting Architectural
- DFTG 2328 Architectural Drafting Commercial
- INDS 1311 Fundamentals of Interior Design DELETE INDS 1311

Major Options (30 Semester Hours)

PROPOSED

Program Requirements General Education Requirements (15 Semester Hours)

Communications - 3 Hours

1. ENGL 1301 - Composition I

Social/Behavioral Sciences - 3 Hours

2. Social and Behavioral Sciences

Life & Physical Sciences/Mathematics - 3 Hours

3. Mathematics

Language, Philosophy & Culture/Creative Arts - 3 Hours

4. ARTS 1316 - Drawing I

Institutional Requirement - 3 Hours

5. Speech

Major Course Requirements (45 Semester Hours)

- 1. DFTG 1305 Technical Drafting
- 2. DFTG 1309 Basic Computer-Aided Drafting
- 3. DFTG 1317 Architectural Drafting Residential
- 4. DFTG 1333 Mechanical Drafting
- 5. DFTG 1370 Microstation I
- 6. DFTG 1372 Microstation II
- 7. DFTG 2319 Intermediate Computer-Aided Drafting
- 8. DFTG 2340 Solid Modeling/Design
- 9. DFTG 2328 Architectural Drafting Commercial
- 10. DFTG 2332 Advanced Computer-Aided Drafting
- 11. DFTG 2323 Pipe Drafting
- 12. DFTG 2338 Final Project-Advanced Drafting

Students must choose one of the following options:

General Drafting (30 Semester Hours)

- DFTG 1333 Mechanical Drafting
- DFTG 1345 Parametric Modeling and Design
- DFTG 1358 Electrical/Electronics Drafting
- DFTG 1370 Microstation I
- DFTG 1372 Microstation II
- DFTG 2319 Intermediate Computer-Aided Drafting
- DFTG 2323 Pipe Drafting
- DFTG 2332 Advanced Computer-Aided Drafting
- DFTG 2338 Final Project-Advanced Drafting
- DFTG 2340 Solid Modeling/Design

Interior Architecture (30 Semester Hours)

DELETE THIS TRACK AND ALL INDS COURSES BELOW

- ARCE 1303 Materials and Methods of Construction
- DFTG 2300 Intermediate Residential Drafting -Architectural
- INDS 1351 History of Interiors I
- INDS 1352 History of Interiors II
- INDS 2307 Textiles for Interior Design
- INDS 2310 Kitchen and Bath Design
- INDS 2315 Lighting for Interior Designers
- INDS 2321 Presentation Drawings
- INDS 2325 Professional Practices for Interior Designers
- INDS 2330 Interior Design Building Systems

Total (60 Semester Hours)

- 13. DFTG 1345 Parametric Modeling and Design
- 14. DFTG 1358 Electrical/Electronics Drafting
- 15. _____?

Total (60 Semester Hours)

Possible courses for the remaining course for the Drafting AAS:

- DFTG 2321 Topographical Drafting
- DFTG 2300 Intermediate Residential Drafting Architectural
- ARTS 1311 Design I
- ARTV 1303 Basic Animation
- ARTV 1345 3-D Modeling and Rendering
- ENGL 2311 Technical and Business Writing
- ARTS 2356 Fundamentals of Photography I
- ARTC 1325 Introduction to Computer Graphics

DFTG 2321 - Topographical Drafting
Prerequisite: DFTG 2319 or department chair consent
A course in map drafting. Emphasis is given to plotting of
surveyors' field notes, plotting elevations, contour drawings,
plan and profiles, and laying out traverses.
Hours (3 sem hrs; 2 lec, 2 lab)

DFTG 2400 - Intermediate Architectural Drafting – Residential Continued application of principles and practices used in residential construction. Hours (4 sem hrs; 2 lec, 4 lab)

PROPOSED REVISIONS TO THE DRAFTING CERTIFICATES

- We will remove the current Drafting CAD Specialist (DFTG.CERT.CAD) certificate and the Drafting- Architectural Drafting Technician Drafting Tech (DFTG.CERT.ADT) certificate.
- We will revise the Drafting Technician Certificate (DFTG.CERT.DT) certificate.

CURRENT CERTIFICATES Drafting Technician Certificate (DFTG.CERT.DT) Major Course Requirements (36 Semester Hours) – REVISE THIS CERTIFICATE	REVISED DRAFTING TECHNICIAN CERTIFICATE Drafting Technician Certificate (DFTG.CERT.DT) Major Course Requirements (24 Semester Hours)
 DFTG 1305 - Technical Drafting DFTG 1309 - Basic Computer-Aided Drafting DFTG 1317 - Residential Drafting - Architectural DFTG 1333 - Mechanical Drafting 	 DFTG 1305 - Technical Drafting DFTG 1309 - Basic Computer-Aided Drafting DFTG 1317 - Architectural Drafting - Residential DFTG 1333 - Mechanical Drafting

- DFTG 1370 Microstation I
- DFTG 1372 Microstation II
- DFTG 1345 Parametric Modeling and Design
- DFTG 2319 Intermediate Computer-Aided Drafting
- DFTG 2328 Architectural Drafting Commercial
- DFTG 2332 Advanced Computer-Aided Drafting
- DFTG 2340 Solid Modeling/Design
- INDS 1311 Fundamentals of Interior Design

Drafting CAD Specialist (DFTG.CERT.CAD) – DELETE THIS CERTIFICATE

Major Course Requirements (21 Semester Hours)

- DFTG 1309 Basic Computer Aided Drafting
- DFTG 2319 Intermediate Computer-Aided Drafting
- DFTG 2332 Advanced Computer-Aided Drafting
- DFTG 1370 Microstation I
- DFTG 1372 Microstation II
- DFTG 1345 Parametric Modeling and Design
- DFTG 2340 Solid Modeling/Design

Drafting-Architectural Drafting Technician Drafting Tech (DFTG.CERT.ADT) – DELETE THIS CERTIFICATE Major Course Requirements (23 Semester Hours)

- DFTG 1305 Technical Drafting
- DFTG 1309 Basic Computer-Aided Drafting
- DFTG 1317 Residential Drafting Architectural
- DFTG 2300 Intermediate Residential Drafting Architectural
- DFTG 2328 Architectural Drafting Commercial
- INDS 1311 Fundamentals of Interior Design
- INDS 2321 Presentation Drawings

- 5. DFTG 1370 Microstation I
- 6. DFTG 1372 Microstation II
- 7. DFTG 2319 Intermediate Computer-Aided Drafting
- 8. DFTG 2340 Solid Modeling/Design

Total (24 Semester Hours)

DRAFTING NOTES:

• The revised Drafting Technician Certificate (DFTG.CERT.DT) drafting certificate will "stack" into the Drafting AAS.

- The courses in the revised Drafting Technician Certificate (DFTG.CERT.DT) include courses that are taught at area high schools for possible articulation and dual credit courses that feed into the certificate and AAS.
- The Fall Drafting Advisory Committee members also stressed the importance of DFTG 1305 Technical Drafting in the revised Drafting Technician Certificate (DFTG.CERT.DT) drafting certificate.
- Articulation and dual credit: We will utilize articulation agreements and possible dual credit courses with area high schools to help high school students complete a few
 courses for the Drafting Technician Certificate (DFTG.CERT.DT) in high school and earn college credit. This creates an investment in AC, and encourages the student to
 complete the Drafting Technician Certificate (DFTG.CERT.DT) or an AAS in drafting at AC. This is also a wonderful way to recruit. We will contact area high schools with
 drafting courses and send out the new revisions as soon as they are approved.
 - DFTG 1305 Technical Drafting This course is taught at Amarillo, Randall, Tascosa, and Caprock. We have a current articulation agreement for this course with Caprock, and Tascosa. We should look at one possible dual credit course.
 - DFTG 1317 Architectural Drafting Residential This course is taught at Caprock and Tascosa. We have a current articulation agreement for this course with Caprock and Tascosa. We should look at one possible dual credit course.
 - DFTG 1333 Mechanical Drafting This course is taught at Amarillo High. We should look at one possible dual credit course.
 - DFTG 1309 Basic Computer-Aided Drafting This course is taught at Amarillo, Canyon, Hereford, and Tascosa. We should look at one possible dual credit course.

LINKS:

Drafting AAS http://catalog.actx.edu/preview_program.php?catoid=14&poid=2747&returnto=600

Drafting – Drafting Technician Certificate http://catalog.actx.edu/preview program.php?catoid=14&poid=2749&returnto=600

Drafting Syllabi for 2015 - 2016 https://www.actx.edu/syllabis/syllabi list.php?deptid=23&catalog id=14

Drafting Syllabi for 2014 – 2015 https://www.actx.edu/syllabis/syllabi-list.php?deptid=23&catalog_id=13

Drafting courses:

- DFTG 1305 Technical Drafting
- DFTG 1309 Basic Computer-Aided Drafting
- DFTG 1317 Residential Drafting Architectural
- DFTG 1333 Mechanical Drafting
- DFTG 1345 Parametric Modeling and Design
- DFTG 1358 Electrical/Electronics Drafting
- DFTG 1370 Microstation I
- DFTG 1372 Microstation II
- DFTG 1391 Special Topics in Drafting
- DFTG 1417 Architectural Drafting Residential
- DFTG 2300 Intermediate Residential Drafting -Architectural
- DFTG 2319 Intermediate Computer-Aided Drafting
- DFTG 2321 Topographical Drafting

Related Courses

- ARTS 1316 Drawing I
- ARTS 1311 Design I
- ARTV 1303 Basic Animation
- ARTV 1345 3-D Modeling and Rendering
- ENGL 2311 Technical and Business Writing
- ARTS 2356 Fundamentals of Photography I
- ARTC 1325 Introduction to Computer Graphics

- DFTG 2323 Pipe Drafting
- DFTG 2328 Architectural Drafting Commercial
- DFTG 2332 Advanced Computer-Aided Drafting
- DFTG 2338 Final Project-Advanced Drafting
- DFTG 2340 Solid Modeling/Design
- DFTG 2400 Intermediate Architectural Drafting -Residential
- ARCE 1303 Materials and Methods of Construction

DRAFTING SOFTWARE USED FOR CLASSES

DFTG 1309 - Basic Computer-Aided Drafting Autocad DFTG 1333 - Mechanical Drafting Autodesk Inventor DFTG 1370 - Microstation I Microstation DFTG 1372 - Microstation II Microstation DFTG 2319 - Intermediate Computer-Aided Drafting Autocad DFTG 2340 - Solid Modeling/Design Autocad DFTG 1317- ARCHITECTURAL DRAFTING - Residential Chief Architect DFTG 2328 ARCHITECTURAL DRAFTING - Commercial Chief Architect

- Autodesk software includes: Autocad and Inventor and all software by Autodesk. Autodesk software is currently free to non-profit state schools with an annual renewal for the software but no current cost. 175 site license for each software). Autocad software is also used by the Engineering dept.
- Microstations software (Bentley) is annual renewal and current cost is approx \$2500 per year (20 stations) Renews in February.
- Chief Architect is bi annual contract currently at approx \$1200 per 2 years next renewal will be in Sept 2016.
- Drafting is a Perkins program and Perkins has paid for the software in the past few years.
- The biggest expense for the program is printer ink and paper for student print out of projects. Students need to print on multiple sizes of paper, including 24" x 36".

From: Chief Architect, Inc [Chief-Architect@chiefarchitect.com]

Sent: Tuesday, September 22, 2015 10:46 AM

To: Tony R. Thomas

Subject: Chief Architect SSA

Dear Tony,

Your Chief Architect Support & Software Assurance (SSA) will expire on 9/24/2017. There is no need to take renewal action today, this notice is simply a friendly reminder of the remaining time for your existing SSA benefits.

To ensure the seamless continuation of your service benefits, please remit payment prior to your above stated expiration date.

Academic SSA Renewal Rate - \$45 / Per Seat* - Valid for 1 Year

With Support & Software Assurance you receive the following benefits for the durations of 1 Year:

- Free Upgrades
- Priority Technical Support
- Online Training Video Tutorials
- Download Library Catalogs
- Discounted Training Services
- Access to Software Download

SSA is optional meaning that if you do not renew SSA, the software will still function; however, the benefits listed above will not be available.

Feel free to contact Chief Architect sales at **208.292.3400**, or your <u>Local Chief Architect Dealer</u> with any questions. Thanks for being a valued Chief Architect customer. We hope you, and your students, continue to enjoy success with Chief Architect. Sincerely,

Chief Architect Customer Service

customerservice@chiefarchitect.com

Please Note:

If SSA expired within the last year renewal pricing shall apply. If SSA expired over 1 year ago, New license pricing shall apply. See www.ChiefArchitect.com/academic for pricing details.

Drafting Advisory Committee Responses Fall 2016

From: Victoria Taylor-Gore [mailto:vtaylorgore@actx.edu]

Sent: Friday, October 30, 2015 1:21 PM

To: bahnmike@gmail.com; kenneth.g.george@xcelenergy.com; Janice.Johnson3@VA.gov; RodenD@zachrygroup.com; Jacob.moreno@alturaengineering.com; Dan McCall <dwmccall@actx.edu>; Ann M. Fry <amfry@actx.edu>; Ruth A. De Anda <r0343730@actx.edu>; Daniel W. Ferguson <dwferguson@actx.edu>; Julie K. Sutton <j0075170@actx.edu>; Jeri L. Brown <j0118993@actx.edu>; Marie Ellyson <m0504169@amarillocollege.com>

Cc: jgoebel@officewiseco.com; Seth D. White <s0356263@actx.edu> Subject: RE: Drafting/Interior Design Advisory Committee Meeting

Hi all - Here are the meeting minutes with some additional thoughts from Julie Sutton (thanks, Julie!). I'm not sure I got all the meeting information correct since I was trying to talk and listen while I took notes, so please let me know if there are any corrections or something important that I missed.

Remember that by next Tuesday, I would like to hear from you with as much information as you can provide as far as:

- AC drafting grads currently or previously employed at your company
- credentials and skills you require for drafting employment
- area drafting opportunities for employment and current salaries

- your feedback on courses for the new propo	osed certificate.
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Any additional information and ideas are welcome!

Thanks so much! Vicky

Jacob Moreno response

Victoria.

Here's my answers to your questions.

- AC drafting grads currently or previously employed at your company

5 employees with A.A.S. in computer aided drafting

- 1 employee with a Drafting Certificate
- 1 employee that started the program then transferred to WT to get an Engineering Tech Degree
- 1 employee that went through the program in 1971 but did not finish all of the courses
- 1 employee with only High School Experience

We hope to hire another 2-3 employees next year

- credentials and skills you require for drafting employment

We prefer students that have received there A.S.A. but do not require it. We find that students that have had some form of higher education do better in the business environment. We work with a lot of big oil companies and think the added schooling helps when communicating with our clients.

It also has a big impact on their salary. Entry level (high school) is around \$9.00/hr and we usually A.A.S. students usually start at \$15-20/hr.

- area drafting opportunities for employment and current salaries

The local oil industry, which is who we deal with, is always looking for employees.

We have been growing since we opened our company two years ago. We started with 3 know have 11. We are a design heavy engineering company, so our plan was to grow our company with AC drafting students and WT Engineers.

For piping designers salaries range from \$20-\$75/hour in this area. If you head to the coast or other areas with a large oil industry those salaries can hit \$115/hr.

- your feedback on courses for the new proposed certificate.

I think the courses are fine. We need them to have a basic understanding or AutoCad, MicroStation, and drafting in general. We will teach them the more specialized software we use in our industry.

Don Radon response

Victoria.

Zachry would hire a person that gets a Drafting Certificate as long as they have a High School Diploma, but they would come in as a Drafter I.

A person seeking employment at Zachry with an Associate would come in as a Drafter II. We would much rather hire someone with an Associate.

It still takes many years of experience to get the high dollar salaries of a Senior Designer, but the Associate gives folks a great start in a growing market.

The yearly salary difference between a Drafter I and Drafter II is approximately \$4,000 annually. So you can see the Associate helps.

Drafter I with no experience expected salary - \$34,500 annual salary

Drafter II with no experience expected salary - \$38,500 annual salary

Senior Designer with 20 plus year's experience with an Associate—Up to \$131,500 in some cases even more.

Engineer I's with no experience can expect a starting salary of around \$54,000 annually. This does increase if the demand gets high in a certain discipline.

Zachry will continue to seek Junior College graduates as required.

We have hired over 50 Amarillo College graduates over the past 25 years. Several are still employed at Zachry. Several have continued their education and become engineers.

My recommendation would be to still try and offer a A.A.S. Degree plan.

I would add classes to the program below plus the General Education classes to get to the AAS.

Excel

Word

Surveying

Electrical/Electronic Drafting

Data Base Fundamentals

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