

ADVISORY BOARD FOR DRAFTING  
MEETING HELD WEDNESDAY APRIL 23 AT 5:30PM

PRESENT: Kenneth George, Ann Fry, Dr. Paul Matney, Robert Boyd, Daniel McCall and Tony Thomas

All other members have been contacted by e-mail, or personal phone-call.

Tony Thomas began the meeting with introductions and discussion of the new 3 dimensional printer available at the East Campus in coordination with Jack Stanley and the Engineering program.

Dan McCall gave a discussion of the projects for the 3 dimensional class using Microstation. The class has gone well and expected to be added to the class inventory with a special needs assignment from the Coordinating Board.

Tony Thomas discussed the changes to the three degree plans for DFTG resulting from the addition to the 3 dimensional class in Microstation. ( the existing and proposed changes to the curriculum are at the end of the minutes.)

Dr. Paul Matney added to the discussion of a possible program move to the Washington St. campus in late 2010 or early 2011. It was discussed that several factors may enter in to the move and the best situation for students and the program.

A possible coordination with Graphic Arts programs and Interior Design was also discussed.

Funding for program completers was also discussed and consideration to this funding will be given priority for any changes to degree plans. It will be encouraged for students to get all degrees within the program for better state funding and more job skills.

Kenneth George discussed the hiring practices for Excel Energy and the number of students that have been recently hired at their facility. He also gave accolades to the quality of the students that have taken employment at Excel.

Ken was very much in favor of the changes proposed for the degrees in the program.

## Member Comments per –e-mail

How does that go? The best laid plans... I had every intention of being at the meeting, but Mother Nature and Continental had other plans.

I would like to share with all the unlimited possibilities that exist with the addition of the prototype 3D printer! Every installation has changed the way teachers approach design and the way students absorb knowledge! Maybe at the next meeting, either I or Tony can show models created on the machine and better explain the scope of possibilities for the students and faculty of AC.

Dan Dudley  
Western Regional Manager  
Teaching Systems, Inc.

Looks great,

Sorry I had to miss due to class. Program looks great.

Douglas L Pickle Ed. D.  
Professor and Dept. Chair  
Electronics Technology  
Amarillo College

Sorry that I could not make the Advisory Board meeting last week. The proposed curriculum changes look good to me. UE is very pleased with the overall capabilities of students that we have hired from Amarillo College. We will be hiring several more in the near future.

Thanks!

Don

Don Roden  
Manager, Technical Services  
Utility Engineering  
Amarillo, TX. 79106-4605

## Proposed changes for consideration

### **DFTG AUTOCAD CERTIFICATE AUTOCAD SPECIALIST**

#### CURRENT

DFTG 1309 BASIC CAD (AUTOCAD)	3	
DFTG 2319 INTERMEDIATE CAD (AUTOCAD)	3	
DFTG 2340 SOLID MODELING (AUTOCAD)	3	
DFTG 2332 ADVANCED CAD (AUTOCAD)	3	
DFTG 2336 PROGRAMMING FOR CAD (AUTOCAD/VISUAL BASIC)	3	

TOTAL HOURS 15

### **PROPOSED CAD SPECIALIST**

DFTG 1309 BASIC CAD (AUTOCAD)	3	
DFTG 2319 INTERMEDIATE CAD (AUTOCAD)	3	
DFTG 2340 SOLID MODELING (AUTOCAD)	3	
DFTG 2332 ADVANCED CAD (AUTOCAD/MICROSTATION)	3	
DFTG 1370 MICROSTATION ONE	3	
DFTG 1372 MICROSTATION TWO	3	
DFTG 2376 MICROSTATION 3D MODELING (NEW CLASS)		3

TOTAL HOURS 21

**DRAFTING TECHNICIAN (CURRENT)**

**Major Code - DFTG.CERT.DT**

Introduces student to basic drafting techniques and procedures. Focuses on drafting in machine, architectural and CAD. Individuals in this certificate program should have prior work experience or other training related to the Drafting field.

SEMESTER HOURS

**MAJOR REQUIREMENTS ..... 27**

- DFTG 1305: Technical Drafting
- DFTG 1309: Basic Computer-Aided Drafting
- INDS 2313: Residential Design*
- DFTG 1333: Mechanical Drafting
- DFTG 2319: Intermediate Computer-Aided Drafting
- DFTG 1370: Microstation I
- DFTG 1372: Microstation II
- DFTG 2340: Solid Modeling/Design*
- DFTG 2332: Advanced Computer-Aided Drafting*
- TOTAL ..... 27**

**Proposed**

**DRAFTING TECHNICIAN Major Code - DFTG.CERT.DT**

SEMESTER HOURS

**MAJOR REQUIREMENTS ..... 30**

- DFTG 1305: Technical Drafting
- DFTG 1309: Basic Computer-Aided Drafting
- INDS 2313: Residential Design
- DFTG 1333: Mechanical Drafting
- DFTG 2319: Intermediate Computer-Aided Drafting
- DFTG 1370: Microstation I
- DFTG 1372: Microstation II
- DFTG 2370: Microstation 3d modeling
- DFTG 2340: Solid Modeling/Design
- DFTG 2332: Advanced Computer-Aided Drafting
- TOTAL ..... 30**

**DRAFTING (CURRENT)**

**ASSOCIATE IN APPLIED SCIENCE**

**Major Code - DFTG.AAS**

Provides hands-on computer-assisted drafting skills to assist students in technical careers of drafting. A combination of drafting disciplines specifically designed to be enhanced by use of the computer with major emphasis placed on mechanical, architectural, electrical, and engineering practices.

**SEMESTER HOURS**

**GENERAL EDUCATION REQUIREMENTS\* ..... 15**

**Communications**

ENGL 1301: Freshman Composition

SPCH\*

**Mathematics/Natural Science**

MATH 1314: College Algebra

**Social/Behaviorial Sciences\***

**Humanities/Fine Arts\***

**MAJOR COURSE REQUIREMENTS ..... 33**

DFTG 1305: Technical Drafting

DFTG 1309: Basic Computer-Aided Drafting or INDS 2305 Interior Design Graphics

INDS 2313: Residential Design

DFTG 1333: Mechanical Drafting

DFTG 2319: Intermediate Computer-Aided Drafting

DFTG 1370: Microstation I

DFTG 1372: Microstation II

DFTG 2340: Solid Modeling/Design

DFTG 2332: Advanced Computer-Aided Drafting

INDS 1301: Basic Elements of Design

DFTG 2338: Final Project: Advanced Drafting

**MAJOR COURSE OPTIONS ..... 12**

*Choose 4 of the following courses:*

DFTG 2323: Pipe Drafting

DFTG 2321: Topographical Drafting

*INDS 1345: Commercial Design*

DFTG 1358: Electrical/Electronics Drafting

DFTG 1376: 3-D Rendering

DFTG 2327: Landscape Drafting

DFTG 1391: Special Topics in Drafting

DFTG 2310: Structural Drafting

DFTG 2336: Computer-Aided Drafting Programming

DFTG 2350: Geometric Dimensioning and Tolerancing

*INDS 2317: Rendering Techniques*

*INDS 2330: Interior Design Building Systems*

*INDS 2315: Lighting for Interior Design*

**Elective ..... 3**

**TOTAL ..... 63**

DRAFTING (proposed)

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**SEMESTER HOURS**

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**Humanities/Fine Arts\***

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DFTG 1309: Basic Computer-Aided Drafting or INDS 2305 Interior Design Graphics

*INDS 2313: Residential Design*

DFTG 1333: Mechanical Drafting

DFTG 2319: Intermediate Computer-Aided Drafting

DFTG 1370: Microstation I

DFTG 1372: Microstation II

DFTG 2370: Microstation 3D modeling

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INDS 1301: Basic Elements of Design

DFTG 2338: Final Project: Advanced Drafting

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