MESA STATE COLLEGE

About This Certificate . . .

Through the use of freehand sketching and Computer Aided Drafting (CAD), the student will learn the techniques of basic drafting principles and methods used in today's engineering fields. Drafting concepts and the processes of orthographic projection, pictorial drawing, dimensioning, and geometric construction will be explored by hand and with CAD software and equipment. The majority of the student's work will be completed on the computer. A project in the area of the student's interest will tie the course to real world concepts.

POLICIES:
1. It is your responsibility to determine whether you have met the requirements for your degree. Please see the MSC Catalog for a complete list of graduation requirements.
2. You must turn in your "Intent to Graduate" form to the Registrar's Office **by September 15 if you plan to graduate the following May, and by February 15 if you plan to graduate the following December**.
3. This program sheet must be submitted with your graduation planning sheet to your advisor during the **semester prior to the semester of graduation, no later than October 1 for spring graduates, no later than March 1 for fall graduates.**
4. Your advisor will sign and forward the Program Sheet and Graduation Planning Sheet to the WCCC Director of Instruction for signature.
5. Finally, the WCCC Director of Instruction or the department administrative assistant will take the signed forms to the Registrar's Office. (Students cannot handle the forms once the advisor signs.)
6. If your petition for graduation is denied, it will be your responsibility to reapply for graduation in a subsequent semester. Your "Intent to Graduate" does not automatically move to a later graduation date.
7. NOTE: The semester before graduation, you may be required to take a Major Field Achievement Test (exit exam).

NAME: _____   **STUDENT ID #** _____

LOCAL ADDRESS AND PHONE NUMBER: _____

_____ ( ) _____

I, (Signature)_____, hereby certify that I have completed (or will complete) all the courses listed on the Program Sheet. I further certify that the grade listed for those courses is the final course grade received except for the courses in which I am currently enrolled and the courses which I complete next semester. I have indicated the semester in which I will complete these courses.

_____   _____20_____
Signature of Advisor   Date

_____   _____20_____
Signature of WCCC Director of Instruction   Date

_____   _____20_____
Signature of Registrar   Date

Students should work closely with a faculty advisor when selecting and scheduling courses prior to registration.

Degree Requirements:
- 2.00 cumulative GPA or higher in all MSC coursework
- "C" or better in each course which comprises the area of emphasis or specialization for CADT
- Program sheets are for advising purposes only. Because a program may have requirements specific to the degree, check with your advisor for additional guidelines, including prerequisites, grade point averages, grades, exit examinations, and other expectations. It is the student's responsibility to be aware of, and follow, all guidelines for the degree being pursued. Any exceptions or substitutions must be approved by the faculty advisor and/or Department Head.
- See the "Undergraduate Graduation Requirements" in the Mesa State College catalog for additional graduation information.

Technical Certificate: Manufacturing Technology – Computer Aided Design Technology (35 Semester Hours)

Course No	Title	Sem.hrs	Grade	Term/Trns
CADT 101	Introduction to Computers	1	_____	_____
CONC 104	Architect/Civil Print Reading	2	_____	_____
CADT 106	Computer Aided Design	3	_____	_____
CADT 107	Advanced Comp Aided Design	3	_____	_____
CADT 108	CAD – Mechanical	3	_____	_____
CADT 109	CAD – Mechanical Advanced	3	_____	_____

Course No	Title	Sem.hrs	Grade	Term/Trns
CADT 110	CAD – Application	4	_____	_____
CADT 120	Intro to Still Images	3	_____	_____
ENGL 111	English Composition	3	_____	_____
MAMT 105	Print Reading/Sketching	2	_____	_____
MAMT 106	Geometric Tolerancing	1	_____	_____
UTEC 107	Math for Technology	4	_____	_____
Electives (with advisor's approval, 3 semester hours)				
_____ ___ _____		____	_____	_____
_____ ___ _____		____	_____	_____

SUGGESTED COURSE SEQUENCING FOR THE TECHNICAL CERTIFICATE WITH A MAJOR IN MANUFACTURING TECHNOLOGY, EMPHASIS IN COMPUTER AIDED DESIGN TECHNOLOGY

This is a recommended sequence of course work. Certain courses may have prerequisites or are only offered during the Fall or Spring semesters. It is the student's responsibility to meet with their advisor and check the 2 year course matrix on the Mesa State website for course availability.

First Semester		Hours
CADT 101	Introduction to Computers	1
CONC 104	Architectural/Civil Print Reading	2
CADT 106	Computer Aided Design	3
CADT 108	CAD – Mechanical	3
ENGL 111	English Composition	3
MAMT 105	Print Reading/Sketching	2
UTEC 107	Math for Technology **or**	
MATH 113	College Algebra	4
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Second Semester		Hours
CADT 107	Adv. Computer Aided Design	3
CADT 109	CAD – Mechanical Advanced	3
CADT 110	CAD Application	4
CADT 120	Intro to Still Images	3
Electives (with advisor's approval)		3
MAMT 106	Geometric Tolerancing	1
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