



2006 – 07 PETITION/PROGRAM SHEET
Degree: Technical Certificate
Major: Manufacturing Technology
Emphasis: Computer Aided Design Technology
www.mesastate.edu/wccc/cad.htm

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.

 Signature of Advisor _____ 20____
 Date

 Signature of WCCC Director of Instruction _____ 20____
 Date

 Signature of Registrar _____ 20____
 Date

- A cumulative grade point average of 2.0 or higher must be maintained for all courses taken and a “C” or better must be achieved in each course which comprises the area of emphasis or specialization for CADT.
- It is recommended that students work closely with a faculty advisor when selecting appropriate courses and scheduling classes.

Technical Certificate: Manufacturing Technology – Computer Aided Design Technology (34 Semester Hours)

<u>Course</u>	<u>No.</u>	<u>Credit</u>	<u>Grade</u>	<u>Term</u>	<u>Year</u>	<u>Trns/Subs</u>	<u>Course</u>	<u>No.</u>	<u>Credit</u>	<u>Grade</u>	<u>Term</u>	<u>Year</u>	<u>Trns/Subs</u>
CADT	<u>101</u>	<u>1</u>	_____	_____	_____	_____	ENGL	<u>111</u>	<u>3</u>	_____	_____	_____	_____
CADT	<u>102</u>	<u>1</u>	_____	_____	_____	_____	MAMT	<u>105</u>	<u>2</u>	_____	_____	_____	_____
CADT	<u>106</u>	<u>3</u>	_____	_____	_____	_____	MAMT	<u>106</u>	<u>1</u>	_____	_____	_____	_____
CADT	<u>107</u>	<u>3</u>	_____	_____	_____	_____	UTEC	<u>107</u>	<u>4</u>	_____	_____	_____	_____
CADT	<u>108</u>	<u>3</u>	_____	_____	_____	_____	<u>Electives (with advisor’s approval, 3 semester hours)</u>						
CADT	<u>109</u>	<u>3</u>	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
CADT	<u>110</u>	<u>4</u>	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
CADT	<u>120</u>	<u>3</u>	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____

Technical Certificate: Manufacturing Technology–Computer Aided Design Technology (34 Semester Hours)

Required Courses:

- CADT 101 Introduction to Computers
- CADT 102 Architectural/Civil Print Reading
- CADT 106 Computer Aided Design
- CADT 107 Advanced Computer Aided Design
- CADT 108 CAD – Mechanical
- CADT 109 CAD – Mechanical Advanced
- CADT 110 CAD Application
- CADT 120 Intro to Still Images
- ENGL 111 English Composition
- MAMT 105 Print Reading/Sketching
- MAMT 106 Geometric Tolerancing
- UTEC 107 Math for Technology
- Electives (3 semester hours with advisor’s approval)

**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.

<u>First Semester</u>		<u>Hours</u>	<u>Second Semester</u>		<u>Hours</u>
CADT 101	Introduction to Computers	1	CADT 107	Adv. Computer Aided Design	3
CADT 102	Architectural/Civil Print Reading	1	CADT 109	CAD – Mechanical Advanced	3
CADT 106	Computer Aided Design	3	CADT 110	CAD Application	4
CADT 108	CAD – Mechanical	3	CADT 120	Intro to Still Images	3
ENGL 111	English Composition	3	Electives (with advisor's approval)		<u>3</u>
MAMT 105	Print Reading/Sketching	2			16
MAMT 106	Geometric Tolerancing	1			
UTEC 107	Math for Technology <u>or</u>				
MATH 113	College Algebra	<u>4</u>			
		18			