

**2011-2012 PETITION/PROGRAM SHEET**  
**Award: Technical Certificate**  
**Program of Study: Manufacturing Technology**  
**Specialization: Computer Aided Design Technology**

**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 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

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 CMU coursework
- “C” or better in each course which comprises the area of emphasis or specialization.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- A student must follow the CMU graduation requirements either from 1) the program sheet for the major in effect at the time the student officially declares a major; or 2) a program sheet for the major approved for a year subsequent to the year during which the student officially declares the major and is approved for the student by the department head. Because a program may have requirements specific to the degree, the student should check with the faculty advisor for additional criteria. It is the student’s responsibility to be aware of, and follow, all requirements for the degree being pursued. Any exceptions or substitutions must be approved by the student’s faculty advisor and Department Head.
- See the “Undergraduate Graduation Requirements” in the 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 210	Project	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 PROGRAM OF STUDY IN MANUFACTURING TECHNOLOGY, SPECIALIZATION 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 the assigned advisor and check the 2 year course matrix on the Colorado Mesa website for course availability.

<b>First Semester</b>		<b>Hours</b>	<b>Second Semester</b>		<b>Hours</b>
CADT 101	Introduction to Computers	1	CADT 107	Adv. Computer Aided Design	3
CONC 104	Architectural/Civil Print Reading	2	CADT 109	CAD – Mechanical Advanced	3
CADT 106	Computer Aided Design	3	CADT 110	CAD Application	4
CADT 108	CAD – Mechanical	3	CADT 210	Project	3
ENGL 111	English Composition	3	Electives (with advisor’s approval)		3
MAMT 105	Print Reading/Sketching	2	MAMT 106	Geometric Tolerancing	<u>1</u>
UTEC 107	Math for Technology <b>or</b>				17
MATH 113	College Algebra	<u>4</u>			
		18			