2011-2012 PETITION/PROGRAM SHEET
Degree: Associate of Applied Science
Major: Manufacturing Technology
Emphasis: Computer Aided Design Technology

About This Emphasis . . .

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 for signature.
5. Finally, the WCCC Director 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 __________________________ Date ________________

Signature of WCCC Director __________________________ Date ________________

Signature of Registrar __________________________ Date ________________
Students should work closely with a faculty advisor when selecting and scheduling courses prior to registration.

Degree Requirements:
- 60 semester hours total (A minimum of 16 taken at CMU in no fewer than two semesters).
- 2.00 cumulative GPA or higher in all CMU coursework and a “C” or better must be achieved in coursework toward major content area.
- 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.
- When filling out the program sheet a course can be used only once.
- See the “Undergraduate Graduation Requirements” in the catalog for additional graduation information.

GENERAL EDUCATION REQUIREMENTS (18 semester hours)
See the current catalog for a list of courses that fulfill the requirements below. If a course is on the general education list of options and a requirement for your major, you must use it to fulfill the major requirement and make a different selection within the general education requirement.

<table>
<thead>
<tr>
<th>Course No</th>
<th>Title</th>
<th>Sem.hrs</th>
<th>Grade</th>
<th>Term/Trms</th>
</tr>
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<tbody>
<tr>
<td>ENGL 111</td>
<td>English Composition</td>
<td>3</td>
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<td>3</td>
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<tr>
<td>MATH 113</td>
<td>College Algebra</td>
<td>4</td>
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<td>KINE 100</td>
<td>Health and Wellness</td>
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</table>

ASSOCIATE OF APPLIED SCIENCE: MANUFACTURING TECHNOLOGY COURSE REQUIREMENTS
(52-53 semester hours)

Core Classes
- CADT 101 Introduction to Computers 1
- CONC 104 Architectural/Civil Print Reading 2
- CADT 106 Computer Aided Design 3
- CADT 107 Advanced Computer Aided Design 3
- CADT 108 CAD – Mechanical 3
- CADT 109 CAD – Mechanical Advanced 3
- CADT 110 CAD Application 4
- CADT 210 Project 3
- CADT 130 CAD – Civil 3
- CADT 135 CAD – Civil II 3
- CADT 140 CAD – Architectural Theory 2
- CADT 141 Structural Materials 3
- CADT 142 CAD – Residential Architecture 3
- CADT 143 CAD – Commercial Architecture 3
- MAMT 101 Introduction to Manufacturing 2
- MAMT 105 Print Reading/Sketching 2
- MAMT 106 Geometric Tolerancing 1
- MAMT 115 Introduction to Machine Shop 3

OR
- WELD 151 Introduction to Welding 3

Electives (6 semester hours—may need advisors approval)

KINA 1

Course No Title Sem.hrs Grade Term/Trms

Associate of Applied Science: Manufacturing Tech. – Computer Aided Design Technology
2011-2012 Program Sheet, Page 2 of 3
Posted 11/8/11
SUGGESTED COURSE SEQUENCING FOR THE ASSOCIATE OF APPLIED SCIENCE 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 the assigned advisor and check the 2 year course matrix on the Colorado Mesa University website for course availability.

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Hours</th>
<th>Second Semester</th>
<th>Hours</th>
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<td>MATH 113 College Algebra</td>
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<td>ENGL 111 English Composition</td>
<td>3</td>
</tr>
<tr>
<td>CADT 101 Introduction to Computers</td>
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<td>CADT 107 Advanced Computer Aided Design</td>
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<tr>
<td>CONC 104 Architectural/Civil Print Reading</td>
<td>2</td>
<td>CADT 109 CAD – Mechanical Advanced</td>
<td>3</td>
</tr>
<tr>
<td>CADT 106 Computer Aided Design</td>
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<td>MAMT 115 Introduction to Machine Shop or</td>
<td>3</td>
</tr>
<tr>
<td>CADT 108 CAD – Mechanical</td>
<td>3</td>
<td>WELD 151 Introduction to Welding</td>
<td>3</td>
</tr>
<tr>
<td>MAMT 101 Introduction to Manufacturing</td>
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<td>General Education Soc/Bel Sci., Humanities, Speech</td>
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<td>MAMT 105 Print Reading/Sketching</td>
<td>2</td>
<td>Elective (with advisor’s approval)</td>
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<td>MAMT 106 Geometric Tolerancing</td>
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**SOPHOMORE YEAR**

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<th>Third Semester</th>
<th>Hours</th>
<th>Fourth Semester</th>
<th>Hours</th>
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<tr>
<td>ENGL 112 English Composition</td>
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<td>CADT 110 CAD Application</td>
<td>4</td>
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<tr>
<td>CADT 140 CAD – Architectural Theory</td>
<td>2</td>
<td>CADT 210 Project</td>
<td>3</td>
</tr>
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<td>CADT 141 Structural Materials</td>
<td>3</td>
<td>CADT 135 CAD Civil II</td>
<td>3</td>
</tr>
<tr>
<td>CADT 142 CAD – Residential Architecture</td>
<td>3</td>
<td>CADT 143 CAD Commercial Architecture</td>
<td>3</td>
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<tr>
<td>CADT 130 CAD – Civil</td>
<td>3</td>
<td>General Education Soc/Bel Sci., Humanities, Speech</td>
<td>3</td>
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<tr>
<td>Elective (with advisor’s approval)</td>
<td>3</td>
<td>KINA Activity</td>
<td>1</td>
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<td></td>
<td>17</td>
<td>KINE 100 Health and Wellness</td>
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