



2010-2011 PETITION/PROGRAM SHEET
Degree: Associate of Applied Science
Major: Manufacturing Technology
Emphasis: Machining Technology
www.mesastate.edu/academics/programs.html

About This Degree . . .

This program offers classroom instruction and related lab work with hands-on activities in the use of tools and the operation of equipment found in manufacturing. Students will work in the area of blueprint reading, computer numerical control (CNC) machining, general machining and maintenance, computer-aided drafting (CAD), and related mathematics. This course of study is designed to meet competency-based standards set by the industry. Attitude and quality of workmanship is stressed.

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 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 MSC in no fewer than two semesters).
- 2.00 cumulative GPA or higher in all MSC 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 MSC 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 Mesa State College catalog for additional graduation information.

GENERAL EDUCATION REQUIREMENTS (18 semester hours)

See the current Mesa State College 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.

Course	No	Title	Sem.hrs	Grade	Term/Trns
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English (6 semester hours)

ENGL 111	English Composition	3	_____	_____	_____
ENGL 112	English Composition	3	_____	_____	_____

Math: MATH 113 or UTEC 107 (4 semester hours)

_____	_____	4	_____	_____	_____
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Social and Behavioral Science, Humanities or Selected Speech Courses (6 semester hours)

_____	_____	3	_____	_____	_____
_____	_____	3	_____	_____	_____

Course	No	Title	Sem.hrs	Grade	Term/Trns
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Kinesiology (2 semester hours)

KINE 100	Health and Wellness	1	_____	_____	_____
KINA 1	_____	1	_____	_____	_____

ASSOCIATE OF APPLIED SCIENCE: MANUFACTURING TECHNOLOGY MACHINING TECHNOLOGY COURSE REQUIREMENTS

(51 semester hours)

Core Classes

CADT 101	Introduction to Computers	1	_____	_____	_____
CADT 108	CAD Mechanical	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	_____	_____	_____
MAMT 120	Machine Technology I	4	_____	_____	_____
MAMT 125	Machine Technology II	4	_____	_____	_____
MAMT 130	Machine Technology III	4	_____	_____	_____
MAMT 140	Job Shop Machining II	3	_____	_____	_____

OR

MAMT 170	Practical Applications	3	_____	_____	_____
MAMT 148	CNC Applications	3	_____	_____	_____
MAMT 151	Numerical Control Machining I	3	_____	_____	_____
MAMT 155	Numerical Control Machining II	3	_____	_____	_____
MAMT 160	Properties of Materials	2	_____	_____	_____
MAMT 207	Intro to Statistical Processes	2	_____	_____	_____
TSTG 220	Industry Employment Practices	3	_____	_____	_____
WELD 151	Industrial Welding	2	_____	_____	_____
PHYS 100	Concepts of Physics	3	_____	_____	_____

(or higher)

Electives: (3 semester hours)

_____	_____	_____	_____	_____	_____
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Additional expenses – Students in Machine Technology may be required to purchase approximately \$375.00 in safety glasses, tools, and material. This does not include the cost of textbooks. This cost may vary with student needs and brand or quality of tools and equipment purchased. All safety glasses must meet minimum industry safety standards of Z-87 with side shields.

SUGGESTED COURSE SEQUENCING FOR THE ASSOCIATE OF APPLIED SCIENCE WITH A MAJOR IN MANUFACTURING TECHNOLOGY, EMPHASIS IN MACHINING 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 Mesa State website for course availability.

First Semester		Hours	Second Semester		Hours
MAMT 101	Introduction to Manufacturing	2	ENGL 111	English Composition	3
UTEC 107	Math for Technology or		MAMT 125	Machine Technology II	4
MATH 113	College Algebra	4	MAMT 151	Numerical Control Mach I	3
CADT 101	Introduction to Computers	1	MAMT 155	Numerical Control Mach II	3
MAMT 115	Introduction to Machine Shop	3	CADT 108	CAD Mechanical	3
MAMT 105	Print Reading/Sketching	2	KINE 100	Health & Wellness	<u>1</u>
MAMT 106	Geometric Tolerancing	1			17
MAMT 120	Machine Technology I	<u>4</u>			
		17			
Third Semester		Hours	Fourth Semester		Hours
General Education Soc/Beh Sci., Humanities, Speech		6	ENGL 112	English Composition	3
MAMT 148	CNC Applications	3	TSTG 220	Industry Employment Practices	3
MAMT 207	Intro to Statistical Process Control	2	MAMT 140	Job Shop Machining II or	
MAMT 130	Machine Technology III	4	MAMT 170	Practical Application	3
PHYS 100	Concepts of Physics	<u>3</u>	MAMT 160	Properties of Materials	2
		18	WELD 151	Industrial Welding	2
			KINA XXX	Activity	1
			Electives		<u>3</u>
					17