



2009 – 2010 PETITION/PROGRAM SHEET
Award: Technical Certificate
Program of Study: Manufacturing Technology
Specialization: Welding Technology
www.mesastate.edu/wccc/programs.html

About This Certificate . . .

This program offers classroom instruction and related lab work with hands-on activities in the use of tools and the operation of manufacturing equipment. Students study welding and cutting, fluid power and pneumatics, robotics, properties of materials and basic electrical theory. This course 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 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 Date 20__

Signature of WCCC Director of Instruction Date 20__

Signature of Registrar Date 20__

Students should work closely with a faculty advisor when selecting and scheduling courses prior to registration. See the “Undergraduate Graduation Requirements” in the Mesa State College catalog for additional graduation information.

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.
- 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.
- Students in Welding may be required to purchase approximately \$200.00 in tools and personal safety welding equipment. This does not include required textbooks. These costs may vary with student need and brand or quality of tools or equipment purchased. All safety glasses must meet the minimum industry safety standard of Z-87 with side shields.

Technical Certificate: Manufacturing Technology – Welding Technology (35 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. Need a “C” or higher in all WELD courses.

Course	No	Title	Sem.hrs	Grade	Term/Trns
CADT	101	Introduction to Computers	1	_____	_____
ENGL	111	English Composition	3	_____	_____
MAMT	105	Print Reading/Sketching	2	_____	_____

Course	No	Title	Sem.hrs	Grade	Term/Trns
MAMT	160	Properties of Materials	2	_____	_____
UTEC	107	Math for Technology	4	_____	_____
TSTG	150	Fluid Power	3	_____	_____
TSTG	120	Industrial Safety Practices	3	_____	_____
<u>OR</u>					
TSTG	220	Industry Employment Practices	3	_____	_____
WELD	110	SMAW I	3	_____	_____
WELD	115	Welding & Structural Theory	2	_____	_____
WELD	117	OFW & CI	3	_____	_____
WELD	133	Fabrication Layout	2	_____	_____
WELD	170	Practical Applications	3	_____	_____
WELD	211	GMAW/FCAW	4	_____	_____

SUGGESTED COURSE SEQUENCING FOR THE TECHNICAL CERTIFICATE WITH A PROGRAM OF STUDY IN MANUFACTURING TECHNOLOGY, SPECIALIZATION IN WELDING 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
UTEC	107	Math for Technology	4	MAMT	160	Properties of Materials	2
WELD	110	SMAW I	3	WELD	211	GMAW/FCAW	4
WELD	115	Welding/Structural Theory	2	WELD	133	Fabrication Layout	2
WELD	117	OFWC I	3	WELD	170	Practical Applications	3
CADT	101	Introduction to Computers	1	TSTG	150	Fluid Power	3
MAMT	105	Print Reading/Sketching	2	TSTG	120	Industrial Safety Practices or	
ENGL	111	English Composition	<u>3</u>	TSTG	220	Industry Employment Practices	<u>3</u>
			18				17