



2016-2017 PETITION/PROGRAM SHEET

Award: Technical Certificate Program of Study: Manufacturing Technology Cluster Specialization: Basic Welder

About This Certificate . . .

This Basic Welder program is designed to provide training and opportunity to become proficient at SMAW, GMAW, OAC, PAC, blueprint reading, mathematics, and safety. This program offers classroom lecture and related lab work. Welding, cutting, layout, safety, attitude and quality of workmanship are stressed throughout this program. The Basic Welding certificate prepares students for welding helper-apprentice position in the welding industry and is designed to meet competency based standards set by the American Welding Society. This program prepares students to become certified AWS certified welders in the welding industry upon successful completion of the appropriate test standard.

For more information on what you can do with this major, go to <http://www.coloradomesa.edu/wccc/programs> . All CMU certificate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

1. Apply business communication using listening, verbal and written forms that are needed for entry level employment in the industry. (Communication Fluency)
2. Apply Mathematical concepts to meet entry level employment requirements. (Quantitative Fluency)
3. Research, evaluate, synthesize and apply information/data relevant to the industry. (Critical Thinking)
4. Demonstrate knowledge of welding terminology, symbols, business practices, principles and application of associated technical Skills (Specialized Knowledge/Applied Learning)
5. Perform the necessary applied welding skill sets to fulfill the needs of entry level employment. (Applied Learning)
6. Demonstrate ethical and civic responsibility necessary for employees in the industry. (Specialized Knowledge).

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 have read and understand the policies listed on the last page of this 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 the Department Head

Date

Signature of Registrar

Date

Students should work closely with a faculty advisor when selecting and scheduling courses prior to registration.

DEGREE REQUIREMENTS:

- 16 semester hours total.
- 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.
- Program sheets are for advising purposes only. Because a program may have requirements specific to the degree, check with your advisor for additional guidelines, including prerequisites, grade point averages, grades, exit examinations, and other expectations. It is the student’s responsibility to be aware of, and follow, all guidelines for the degree being pursued. Any exceptions or substitutions must be approved by the faculty advisor and/or Department Head. Courses related to teacher licensure must also be approved by the Teacher Education Dept.
- When filling out the program sheet a course can be used only once.
- See the “Requirements for Undergraduate Degrees and Certificates” in the catalog for additional graduation information.
- Students in Welding may be required to purchase approximately \$500.00 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: Basic Welder

(16 semester hours)

| Course No | Title | Sem.hrs | Grade | Term |
|----------------------------|----------------------------|----------|-------|-------|
| <u>Core Classes</u> | | | | |
| MAMT 105 | Print Reading/Sketching | 2 | _____ | _____ |
| WELD 110 | Shielded Metal Arc Welding | 4 | _____ | _____ |
| WELD 117 | Oxy/Fuel & Plasma Cutting | 2 | _____ | _____ |
| WELD 201 | Gas Metal Arc Welding | 4 | _____ | _____ |
| MATH 107 | Career Math | 3 | _____ | _____ |
| ELCE 124 | Construction Safety | <u>1</u> | _____ | _____ |
| | | 16 | | |

POLICIES:

1. Please see the catalog for a complete list of graduation requirements.
2. 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.** 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. Your advisor will sign and forward the Program Sheet and Graduation Planning Sheet to the Department Head for signature. Finally, the Department Head will submit the signed forms to the Registrar’s Office. (Students cannot handle the forms once the advisor signs.)
4. 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.
5. NOTE: During your senior year, you will be required to take a capstone exit assessment/project (e.g., Major Field Achievement Test).