

University of Arkansas at Monticello College of Technology - McGehee
Technical Certificate Program of Study
Welding Technology

Dept	Course Number	Course Title	Credit Hours
FALL SEMESTER			
WELD	11003	Blueprint Reading	3
WELD	11105	Basic Welding*	5
WELD	12105	SMAW Shielded Metal Arc Welding*	5
WELD	14001	Welding Lab I *	1
MATH	12073	Technical Mathematics or higher level mathematics course	3
		TOTAL	17

*Denotes optional EXIT point: Certificate of Proficiency Basic Welding

SPRING SEMESTER

WELD	13105	GTAW - Gas Tungsten Arc Welding	5
WELD	14105	GMAW- Gas Metal Arc Welding	5
WELD	15001	Welding Lab II	1
COMM	12053	Technical Communication or higher level composition course	3
CSPI	11083	Computer Fundamentals	3
		TOTAL	17

SUMMER SEMESTER

WELD	15103	Pipe Welding	3
		TOTAL	3
Total Hours for Technical Certificate:			37

To be eligible for a Technical Certificate from the University of Arkansas at Monticello College of Technology-McGehee, a student should complete a Program of Study approved by his/her advisor upon entering the University. The Program of Study indicates the minimum semester hours of unduplicated credit at the technical certificate level. Specific certificate requirements are listed on this Program of Study.

The Program of Study is for informational purposes only; it is the responsibility of the student to meet all requirements to be eligible for a technical certificate at UAM College of Technology – McGehee. The University reserves the right to substitute courses.

NOTE: Some courses require pre-requisite and/or co-requisite classes. Some courses may be offered only during specific semesters. This Program of Study requires related courses to be completed during any semester/term of enrollment. Contact your advisor or Director of Instruction for specific information.

Students who score below the required minimal level on the entrance exam may be required to take additional credit hours as part of this University's developmental education program. See current academic catalog for more information.

The technical certificate may serve as a terminal credential or as an intermediate credential for students who wish to pursue an associate or baccalaureate degree program. For more information about this certificate, contact the UAM College of Technology – McGehee's Office of Student Services or call 870-222-5360. Students may also visit <https://www.uamont.edu/academics/mcgehee/degrees.html>

Specific Graduation Requirements

In addition to completing all coursework, the University of Arkansas at Monticello College of Technology – McGehee, requires all students who are eligible for this technical certificate to meet the following criteria:

- Degree Audit
- At least 2.00 cumulative GPA

Welding Technology Student Learning Outcomes:

1. Interpret safety codes and regulations by completing all work in compliance with practices and procedures typical of industry to ensure safety of self and others.
2. Apply integrated knowledge with incremental skill improvement resulting in functional application of welding to meet industry standards and perform various welding projects, working independently and as a team member, including the use of Oxy-fuel cutting process (OFC), Shielded Metal Arc Welding (SMAW-1G, 2G, 3G, 4G positions), Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW) and Pipe Welding (using SMAW and GTAW processes in the 2G, 5G, 6G positions).
3. Apply academic skills in reading, applied mathematics, communication, computerized technology, as well as teamwork, self-management skills, critical thinking, strategies for locating information independently and leadership amongst peers to the application of welding.
4. Demonstrate work attributes that contribute to personal success and contribute to the goals of an organization for which one is or will be employed.
5. Pass industry code testing certifications through American Welding Society (AWS) standards.
6. Develop the skills necessary to secure employment.

My signature below indicates that I (student) agree that it is my responsibility to meet all UAM requirements to be eligible for a technical certificate. This document serves only as a guide to help me fulfill specific program requirements. This University reserves the right to substitute other courses.

Student Printed Name

Student's Date of Birth

Student Signature Date

Advisor Signature Date