WELDING TECHNOLOGY

**Program Chair
Corey Danekas
Shop Complex
(479) 508-3312
cdanekas@atu.edu**

**Welding
Technology**

This program is designed to develop the skills necessary for entry into industrial and commercial welding employment. Instruction is provided in SMAW, GMAW, and GTAW welding, thermal cutting, blueprint reading and layout techniques. Students are required to take a two-part examination composed by the American Welding Society to apply for AWS Entry Level Welding Certification.

Curriculum in Welding Technology
Technical Certificate

Course Number	Course Name	Semester Hours
Fall		
BUS 1023	Business Mathematics	3
	or	
MATH 0803	Beginning Algebra (or higher math)	
WLD 1103	Introduction to Thermal Cutting	3
WLD 1202	Blueprint Reading	2
WLD 1212	Industrial Safety in Welding	2
WLD 1224	Introduction to Arc Welding	4
WLD 1302	Metallurgy	2
	Total	**16**
Spring		
BUS 1003	Business English	3
	or	
ENGL 0303	Foundational Composition	
	or	
ENGL 1013	Composition I	
WLD 1405	Position Welding	5
WLD 1503	Gas Metal Arc (MIG) Welding	3
WLD 1603	Gas Tungsten Arc (TIG) Welding	3
	Total	**14**
1st Summer		
WLD 1702	Weldment Testing	2
WLD 1804	Certification Welding I	4
	Total	**6**

Curriculum in Welding Technology
Associate of Applied Science Degree in General Technology

Course Number	Course Name	Semester Hours
1st Semester		
MATH 0903	Intermediate Algebra (or higher math)	3
WLD 1103	Introduction to Thermal Cutting	3
WLD 1202	Blueprint Reading	2
WLD 1212	Industrial Safety in Welding	2
WLD 1224	Introduction to Arc Welding	4
WLD 1302	Metallurgy	2
	Total	**16**
2nd Semester		
ENGL 1013	Composition I	3
WLD 1405	Position Welding	5
WLD 1503	Gas Metal Arc (MIG) Welding	3
WLD 1603	Gas Tungsten Arc (TIG) Welding	3
	Total	**14**
3rd Semester		
ACR 2124	Boiler Operations	5
ENGL 1023	Composition II	3
WLD 1403	Welding for Trades and Industry	2
WLD 1702	Weldment Testing I*	2
WLD 1804	Certification Welding I*	4
	Total	**16**
4th Semester		
	Any Approved Social Science[1]	3
ACR 2124	Sheet Metal	4
COMS 1003	Introduction to Computer Based Systems	
	or	
COMS 2003	Microcomputer Applications	3
	or	
BUS 1303	Introduction to Computers	
WLD 2904	Internship (or approved elective)	4
	Total	**14**

[1] See appropriate alternatives or substitutions in "General Education Requirements" on page 30
*Usually offered in Summer I term