## WELDING AND MATERIALS TECHNOLOGY

College of Rural and Community Development Community and Technical College 907-455-2932 www.ctc.uaf.edu/programs/weld/

Welding is an important industrial skill with applications in agriculture, mining, transportation, aviation, oil and gas, and construction. Training ranges from welding basics to advanced pipe and metal plate fabrication.

Classes are small to offer hands-on training and maximum interaction between the student and instructor. Students may request credit by examination for any WMT class. Advanced students may work toward American Welding Society certification or pursue advanced projects. Contact the department for details.

## The following courses are part of the welding and materials technology program:

WMT F101—Introduction to Welding	3
WMT F102—Intermediate Welding	3
WMT F103—Welding I	3
WMT F105—Welding II	
WMT F106—Heat Treating/Metal Finishing/Knife Making I	
WMT F117—Oxy-Acetylene Welding and Cutting	3
WMT F130—Shielded Metal Arc Welding (SMAW) 1 -	- 3
WMT F150—Gas Tungsten Arc Welding (GTAW) 1 -	- 3
WMT F160—Gas Metal Arc Weld Alum (GMAW) 1 -	- 3
WMT F170—Military Training Welding I	3
WMT F206—Heat Treating/Metal Finishing/Knife Making II	3
WMT F210—Uphill Pipe Welding	3
WMT F241—Gas Tungsten Arc and Gas Metal Arc Welding	3
WMT F270—Military Training Welding II	3
WMT F280—Military Training Welding III	3
WMT F290—Welding Proficiency Maintenance	3
Students must earn a Carade or hetter in each course	

\* Students must earn a C grade or better in each course.



## **Certificate Requirements**

Communication		
Complete one of the following:  • ENGL F111X—Introduction to Academic Writing		
Computation2 – 3 Credits		
Complete one of the following:  • Any course at the F100-level or above in mathematical sciences (computer science, math or statistics)		
Human Relations2 – 3 Credits		
Complete one of the following:  • ANTH F100X/SOC F100X—Individual, Society and Culture(s)		
Electives to total		

## Associate of Applied Science Requirements

• •	ritten Communication
•	ENGL F111X—Introduction to Academic Writing(3)
•	omplete one of the following: ABUS F271—Business Communications
O	ral Communication
•	omplete one of the following: COMM F131X—Fundamentals of Oral Communication: Group Context(3) COMM F141X—Fundamentals of Oral Communication: Public Context(3) or successful completion of competency test
C	omputation3 Credits
•	Implete one of the following:  Any course at the F100-level or above in mathematical sciences (computer science, math or statistics)
H	uman Relations
•	omplete one of the following:  ANTH F100X/SOC F100X—Individual, Society and Culture (s)
	ajor specialty at least
M	

