



**UAF** COMMUNITY & TECHNICAL  
COLLEGE  
UNIVERSITY of ALASKA FAIRBANKS

# WELDING & MATERIALS TECHNOLOGY

The occupational endorsement certification in welding and materials technology is designed for beginning students who want to learn to cut and weld, as well as students seeking more advanced courses who would like to take their welding skills further. Our program emphasizes welding safety in every course and develops the student's ability to recognize hazardous situations encountered in the workplace.

## SUCCESS DISCOVERED.

Welding is an important industrial skill, useful in a variety of areas. Individuals trained in welding often find employment opportunities in the construction, agriculture, mining, transportation, aviation, and petroleum industries. Training ranges from welding basics to advanced pipe and structural metal fabrication.

- English
- Algebra
- Basic Computer Skills
- Welding

- Training for entry level welder

- Certified Welder/Fabricator
- Pipefitter

## WELDING & MATERIALS TECHNOLOGY

Visit the Welding & Materials Tech Website:  
[WWW.CTC.UAF.EDU/WMT](http://WWW.CTC.UAF.EDU/WMT)

### COURSE OFFERINGS

Please see the current catalog for complete degree information.

Major-Occupational Endorsement Certification

1) Complete the following program major requirements\*:

- WMT F103 Welding I (3)
- WMT F105 Welding II (3)
- WMT F130 Shielded Metal Arc Welding (SMAW) (3)
- WMT F140 Metal Fabrication (3)
- WMT F160 Gas Metal Arc Weld Alum (GMAW) (3)
- WMT F290 Welding Proficiency Maintenance (3)
- TTCH F131 Mathematics for the Trades (3)

Minimum credits required - 21 credits

\*Students must earn a C grade or better.

Optional courses offered as demand warrants:

- WMT F150 Gas Tungsten Arc Welding (GTAW) (3)
- WMT F210 Uphill Pipe Welding (3)

### PROGRAM HIGHLIGHTS

Classes are small in order to offer hands on training and maximize student and instructor interaction. Lecture material is complemented with complete audio-visual training aids, enabling students to progress at the maximum rate per class hour. Most welding courses are taught in the evening or on the weekend so as to accommodate the needs of students who have daytime jobs or are in the military.

Advanced students may work toward American Welding Society certification or pursue advanced projects. Students may request credit by examination for any WMT class.

### PROGRAM REQUIREMENTS

Students are required to provide their own personal gear for the welding courses in which they enroll. Contact the welding department for a list of required welding gear.

### APPLICATION PROCESS

- Review admission requirements with an advisor by calling 907-455-2932 or email [mmhuerd@alaska.edu](mailto:mmhuerd@alaska.edu)
- Apply for Admission to UAF: [www.uaf.edu/admissions](http://www.uaf.edu/admissions)
- Apply for Financial Aid: [www.uaf.edu/finaid/](http://www.uaf.edu/finaid/) or call 907-455-2832
- Find Classes & Register: [www.uaf.edu/coursefinder/](http://www.uaf.edu/coursefinder/)
- Get Your books & Class Materials Organized - UAF Bookstore: [www.uaf.bkstr.com](http://www.uaf.bkstr.com)
- Start your Journey at UAF CTC!

### PROGRAM CONTACT

Megan Huerd

Administrative Assistant, Welding & Materials Technology  
Hutchison Center, 3770 Geist Road, Fairbanks AK 99709  
907-455-2932

907-455-2919 fax

[mmhuerd@alaska.edu](mailto:mmhuerd@alaska.edu)

CLICK, CALL, OR EMAIL  
TO LEARN MORE:

604 BARNETTE STREET  
FAIRBANKS, ALASKA 99701

TOLL FREE: 877-882-8827  
LOCAL: 907-455-2800

[UAF-CTC@ALASKA.EDU](mailto:UAF-CTC@ALASKA.EDU)  
[WWW.CTC.UAF.EDU](http://WWW.CTC.UAF.EDU)

GET SOCIAL WITH UAFCTC:

