

Articulation Agreement

2017-2018

University Alaska Fairbanks

Interior Alaska Campus

4280 Geist Road

Fairbanks, Alaska 99709

Alaska Gateway School District

PO Box 226

Tok, Alaska 99780

Purpose:

In addition to the current Tech Prep Agreement between University of Alaska Fairbanks and Alaska Gateway School District, we have agreed to add the following course that is within CRCD Welding (WMT) program.

1. Alaska Gateway School District will follow a UAF WMT curriculum in coordination with the administration and faculty of the University of Alaska Fairbanks pertaining to the following courses on the course below.
2. Alaska Gateway School District will teach for the attached outcomes.
3. The attached syllabus will follow the learning outcomes of the university-approved course listed.

UAF Course Number	UAF Course Title	Number of UAF Credits	Alaska Gateway School District Course Title
WMT 103	Welding 1	3 credits	Welding 1

1. The attached syllabus will be followed.
2. Alaska Gateway School District will provide necessary support for students to be successful in this course which may include computer support, reference books and academic assistance.
3. Interior Alaska Campus will process the registrations.
4. In order to receive concurrent credit, the student will register for the Tech Prep class during the semester in which the competencies will be completed.


Approvals:

Arvid Weflen
 Director of Aviation Programs
 UAF Community and Technical
 College
 University of Alaska Fairbanks

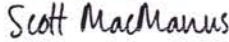
DocuSigned by:

 Signature
 March 24, 2018
 Date

Bryan Uher
 Interim Director
 University of Alaska Fairbanks
 Interior Alaska Campus
 Fairbanks, Alaska

DocuSigned by:

 Signature
 March 26, 2018
 Date

Scott MacManus
 Asst. Superintendent
 Alaska Gateway School District
 Tok, Alaska

DocuSigned by:

 Signature
 April 24, 2018
 Date

Mary Pete
Dean-College of Rural and
Community Development
P.O. Box 6500
University of Alaska Fairbanks
Fairbanks, AK 99775-6500

DocuSigned by:
Mary Pete March 28, 2018
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Signature Date

Michele Stalder
Dean-Community and Technical College
604 Barnette Street
University of Alaska Fairbanks
Fairbanks AK 99701

DocuSigned by:
Michele Stalder March 28, 2018
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Signature Date

Susan Henrichs, Provost
P.O. Box 7580
University of Alaska Fairbanks
Fairbanks, AK 99775-7580

Susan Henrichs 5/7/18
Signature Date

WMT F103
Welding 1 Course Syllabus, 3 Credits

Instructor Information: Leland Monroe
Certified Welding Educator
Certificate No. 0205001E
P.O Box 948
Tok, Alaska 99780
lmonroe@agsd.us
leedonmonroe@hotmail.com

Class Location: Tok School, Tok, Alaska

Prerequisite: none

Dates/Times: Sept 18-Feb 18, 2017
Monday-Friday
Feb 5 - May 21, 2018
May 2018 Certification Testing

Texts/Materials: AWS Welding Volume 1
AWS Welding Volume 2

Text Author: National Center for Construction
Education and Research
(NCCER)

Text Publisher: Prentice Hall

Course Description:

Entry-level course in Welding Safety, basic oxyacetylene welding/cutting, GTAW, and SMAW. This course is designed to

introduce students to some of the fundamental tools, equipment, materials, and processes used in the various fields of welding. The course is designed around workplace safety and job readiness skills. Students will gain knowledge about career opportunities, requirements, and the development of basic skills that will help prepare them for success.

Course Goals:

Students will develop welding proficiency in position 1 and 2 using the two welding processes, oxyacetylene welding, and SMAW. Students will be expected to pass a position certification test in at least one welding process at the end of the school year. Student will be expected to pass all module testing with a 70% or above.

Student Learning Outcomes

Students will be able to:

1. Demonstrate work safety in the welding shop according to instructor, school, and OSHA regulations.
2. Demonstrate proper oxyacetylene, and SMAW safety and setup.
3. Demonstrate proper oxyacetylene welding/cutting, and SMAW welding procedures and techniques.
4. Demonstrate sufficient knowledge of oxyacetylene, SMAW systems and materials used through module testing.

Instructional Methods:

The basic welding/cutting concepts will be developed through a variety of instructional methods. They include:

1. Assigned class readings from course text.
2. Instructor led class discussions.
3. Informational/instructional Videos
3. Instructor led demonstrations
4. Student led exploration

5. Small group instruction
6. Individual instruction

Course Subject Breakdown

General Shop Safety Testing	15 hrs
Oxyacetylene Safety	6 hrs
GTAW Safety	5 hrs
SMAW Safety	6 hrs
Oxyacetylene Welding/Cutting Instructional	12 hrs
Oxyacetylene Skill Development	17 hrs
GTAW Instructional	10 hrs
GTAW Skill Development	18 hrs
SMAW Instructional	15 hrs
SMAW Skill Development	30 hrs
Testing prep and Testing	<u>11 hrs</u>
Total	145 hrs

Grading Breakdown

1. Student Participation/Reviews (includes class activities) 70%
2. Test/Quiz 30%

A=90% to 100%

B=80% to 89%

C=70% to 79%

D=60% to 69%

F= 59% and below

Course Calendar for Welding 1 First/Second Semester 2017-18

Week of:

Sept 18	MTWT F	8:45-11:15 = 2 hrs 30 minutes	2hr 30min x 5=12.50 hrs
Sept 25	MTWT F	8:45-11:15 = 2 hrs 30 minutes	2hr 30min x 5=12.50 hrs
Oct 30	MTWT F	8:45-11:15 = 2 hrs 30 minutes	2hr 30min x 5=12.50 hrs
Nov 6	MTWT F	8:45-11:15 = 2 hrs 30 minutes	2hr 30min x 5=12.50 hrs
Dec 11	MTWT F	8:45-11:15 = 2 hrs 30 minutes	2hr 30min x 5=12.50 hrs
Dec 18	MTWT F	8:45-11:15 = 2 hrs 30 minutes	2hr 30min x 5=12.50 hrs
Feb 5	MTWT F	8:45-11:15 = 2 hrs 30 minutes	2hr 30min x 5=12.50 hrs
Feb 12	MTWT F	8:45-11:15 = 2 hrs 30 minutes	2hr 30min x 5=12.50 hrs
Mar 26	MTWT F	8:45-11:15 = 2 hrs 30 minutes	2hr 30min x 5=12.50 hrs
April 2	MTWT F	8:45-11:15 = 2 hrs 30 minutes	2hr 30min x 5=12.50 hrs
May 14	MTWT F	8:45-11:15 = 2 hrs 30 minutes	2hr 30min x 5=12.50 hrs
May 21	MTWT F	8:45-11:15 = 2 hrs 30 minutes	2hr 30min x 5=12.50 hrs
Total hours	71.72hr s		Total 4303 minutes

Total first semester (Sept-Dec) hrs: 75 hrs

Total second semester hrs: 75 hrs **Total Hours for Welding 1 course**
= 145 hrs