

Format 3A

New Occupational Endorsement

Occupational Endorsement  
Entry Level Welder

Submitted by  
Diesel, Heavy Equipment and Welding  
Tanana Valley Campus  
College of Rural and Community Development  
University of Alaska Fairbanks

**FORMAT 3A**

**Submit original with signatures + 4 copies**

**NEW OCCUPATIONAL ENDORSEMENT REQUEST**

(UA Regulation 10.04.02)

**I. Cover Memorandum**

A. Name of person preparing request

Brian Rencher

**3. Student learning outcomes assessment and implementation plan**

<u>Intended Outcomes</u>	<u>Assessment Criteria and procedures</u>	<u>Implementation</u>
<ol style="list-style-type: none"> <li>1. Students will pass all classes with a “C” or better.</li> <li>2. Students should be capable of passing American Welding society plate welding certification test after completion of classes.</li> <li>3. Students will gain employment or admission into a trade apprenticeship.</li> </ol>	<ol style="list-style-type: none"> <li>1. Classroom assignments, both practical and written.</li> <li>2. Welding certification test will be administered on request by testing personnel.</li> <li>3. Annual survey after completion of Welding Endorsement, used to track employment success/further training.</li> </ol>	<ol style="list-style-type: none"> <li>1. Instructors will monitor students’ progress and advise students of their progress, provided extra assistance if needed.</li> <li>2. Welding test results are generally available within 24 hours depending on the type of testing procedure.</li> <li>3. The Welding Dept. will prepare the survey ready for use after the endorsement is instated and welders have completed the program.</li> </ol>

**4. Review signature of preparation**

As per attached

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Brett Helms  
 Plumber and Pipefitters Local 375, Apprenticeship Coordinator  
 TVC Welding Advisory Council Representative

Date

As per attached

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Missy Lizotte  
 Alaska Department of Labor, State Representative and Apprenticeship Specialist  
 TVC Welding Advisory Council Representative

Date

As Per Attached

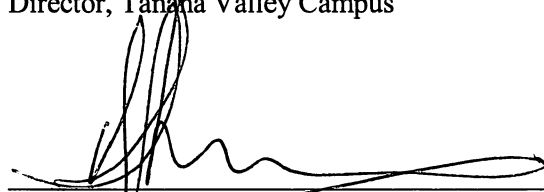
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Signatures for approval:

As per attached

Rick Caulfield  
Director, Tanana Valley Campus

Date



11/13/2008

Falk Huettmann / Amber Thomas  
Curricular Affairs Committee Chair, UAF Faculty Senate

Date



12/03/08

Marsha Sousa  
President, UAF Faculty Senate

Date



12/4/08

Brian Rogers  
Interim Chancellor, UAF

Date

## II. Identification of the Endorsement (All pages should be numbered.)

### A. Description of the Occupational Endorsement

#### 1. Occupational Endorsement title

Entry Level Welder

#### 2. Admissions requirements and prerequisites

Students accepted into this occupational endorsement must:

- a. Document High School Diploma, GED or be 18 years of age or older (It is highly recommended that students obtain either a high school diploma or GED as this is an industry standard, required by most employers, and is a prerequisite for application to any union sponsored apprenticeship program.)
- b. Be in good physical condition, and be able to lift 40 lbs.
- c. Demonstrate sufficient math skills to attend TTCH F131.

#### 3. Course descriptions of required catalog courses. (Endorsements use existing courses.)

#### WMT 103 3 Credits Welding I Fundamentals and Safety

Entry level course in safety, basic oxyacetylene welding, arc welding and flame cutting. Attendance at first two classes is mandatory. Materials fee: (to be announced) offered Fall, Spring

#### WMT 105 3 Credits Welding II Basic Welding

Arc welding techniques and basic MIG and TIG welding. Attendance at first two classes is mandatory. Materials fee: \$275. (Prerequisite: WMT 103 or permission of instructor.) (3 + 0) Offered Fall, Spring

#### WMT 130 3 Credits Shielded Metal Arc Welding (SMAW)

All positions for multiple pass fillet welds. A maximum of 3 credits are awarded for successful completion of any of the four sections; 130A Certif SMAW (1F); 130B Certif SMAW (2F); 130C Certif SMAW (3F); 130D Certif SMAW (4F). Presented in competency based format. Offered Fall, Spring

**4. Requirements for the endorsement.**

**a. Proposed Catalog Layout**

more involved with technology fewer of them are choosing welding as a career, despite the prospects of good wages, and this has left employers searching to find personnel to fill their open positions. Taking one or two random welding classes is not sufficient to gain employment as a welder. Employers need entry level personnel with at least a minimum skill level sufficient to work safely and productively without constant supervision. It is not possible for new employees to ‘train on the job’ when a stringent minimum quality control standard must be met in every piece of work. The State of Alaska Department of Labor forecasts 15% growth in new construction jobs through 2012, and 1000 new workers will be needed each year to replace retirees and keep pace with demand. This Endorsement will provide employers with an assurance that the basic skills are in place for those positions that utilize welding.

### **3. Occupational/other competencies to be achieved**

Students will successfully complete all the coursework in the Entry Level Welder Occupational Endorsement, and will be able to obtain at least one basic welding certification.

### **4. Relationship of courses to the endorsement objectives**

In choosing the courses for the Entry Level Welder Occupational Endorsement the Department has picked those which, when taken as part of a recognized group, will provide all the skills required for an entry level position in the field. Course content is the result of input from welding professionals with many collective years of experience in the field whose backgrounds include supervision, management, and quality control, as well as hands-on welding.

## **C. Student Learning Outcomes Assessment Plan and identification of the individual (by position) who will be responsible for the direction of its implementation.**

### **a. Student Learning Outcomes Assessment Plan.**

#### **Intended Outcomes**

1. Students will pass all classes with a “C” or better.
2. Students will pass American Welding Society plate welding certification test after completion of classes.
3. Students will gain employment or admission into a trade apprenticeship.

#### **Assessment Criteria and Procedures**

1. Classroom assignments, both practical and written.
2. Welding certification test will be administered on request by testing personnel.
3. Annual survey during one year after completion of Welding Endorsement, used to track employment success/further training.

## Implementation

1. Instructors will monitor student progress and advise students of their progress providing

extra assistance if needed.

2. Welding test results are generally available within 24 hours depending on the type of testing procedure.

3. The Welding Dept. will process the survey ready for use after the endorsement is initiated.

and welders have completed the program.

### b. **Responsibility for implementation.**

Responsibility for documentation will reside with the Welding and Materials Technology Program of Tanana Valley Campus. The Coordinator of the program, currently Brian Rencher will maintain responsibility for documentation and implementation. Records for all students will be maintained in the TVC Welding and Materials Technology office. Records maintained





**C. Plans for phasing out endorsement if it proves unsuccessful**

Should the Entry Level Welder Endorsement be unsuccessful it will be canceled. All the courses required are already regularly offered to the general student population so the phasing out of the Endorsement could take place while allowing already enrolled students to complete unfinished coursework. It is unlikely that the need would arise to cancel this Endorsement since there is a continued steady demand for welders.

**D. Assessment of the endorsement. (Include a Student Outcomes Assessment Plan.)**

**a. Student outcomes assessment plan**

**Intended Outcomes**

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FAIRBANKS ALASKA AREA

MEMBERS AND SUPPORTERS

JOINT APPRENTICESHIP COMMITTEE

email: jat63@acsaalaska.net

Brian Rencher  
Program Coordinator  
Diesel/Heavy Equipment and Welding

UAF/TVCC  
3750 Giest Road, Room 147  
Fairbanks, AK 99775-8080

Mr. Rencher,

The Welding Occupational Endorsement program promoted by UAF/TVCC... I support the...  
...This is current in a shortage of skilled...  
...We are currently in a shortage of skilled...

Sarah Palin GOVERNOR



K 99791

Fairbanks Economic Center  
675 7<sup>th</sup> Avenue  
Fairbanks, AK 99775  
907.451.4993

ALASKA OIL & GAS WORKFORCE DEVELOPMENT

FAX (907) 451-4993

September 4, 2008  
The Honorable Governor Sarah Palin  
675 7<sup>th</sup> Avenue  
Fairbanks, Alaska 99775  
907.451.4993

**Welding Support Program Receives National Endorsement**

The Alaska Oil & Gas Workforce Development Program, which is currently in place, will serve to provide a pipeline of skilled workers to the state's oil and gas industry. The program is a joint effort between the Alaska Department of Labor, the Alaska Department of Education, and the Alaska Department of Transportation and Public Safety.

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with assurance that Alaskan Employees  
The Endorsement will provide employers with assurance  
are available. While, the endorsement will provide employers with assurance

#### Enrollment projections?

Welding positions come open in Fairbanks and other areas

Describe the workforce development/vocational program.  
None. This is a workforce development/vocational program.

#### Describe Research opportunities:

#### Timeline and implementation:

Describe the timeline and implementation of the program.

#### Costs to be made:

- Faculty and Staff
- Facilities and Equipment

Staff will be required.

8/25/08

*Brett Helms*

Date Brett Helms

Member and Pinetiers Local 455 Apprenticeship Coordinator

Union Representative

WFL - Woodland Alaska

*MISSY LIZOTE*

Missy Lizote

Industrial and Apprenticeship Specialist

Alaska Department of Labor, State Represent

Welding Advisory Council, Represent at

Welding Advisory Council, Represent

*[Signature]*

9-24-08

Date

Brian Keneher, COORDINATOR

APPROVED BY

*[Signature]*  
Date *[Signature]*  
Bernice Josephine Carter

INDUSTRIAL OFFICE OF STATE, BUREAU OF LABOR RELATIONS

YAC-104

Attendance & Outcomes

Access to the program

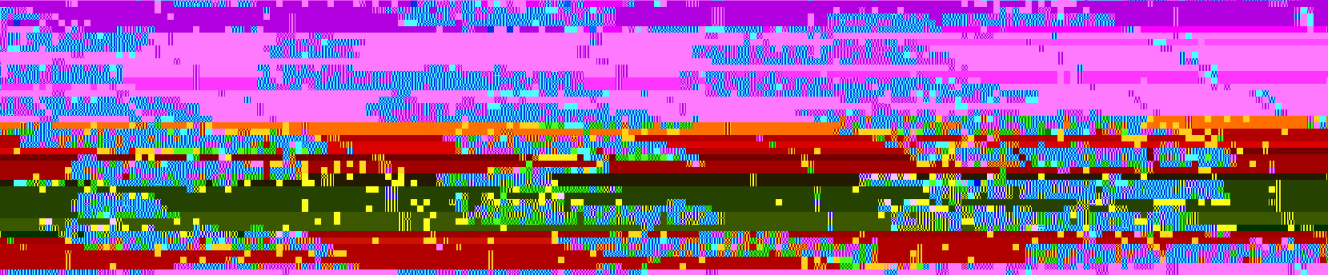
Program start date:

Program end date:

Attendance & Outcomes

Access to the program

Program end date:



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Access to the program

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