

Are you Planning a Career in Welding?

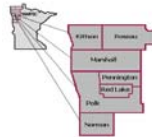


In northwest Minnesota, welders are in high demand as area employers strive to meet their labor force needs. Labor market statistics indicate welders earn an average wage of \$32,000 per year. Welders can expect to find full time employment in the region's leading industry - manufacturing.

Northland Community & Technical College works closely with local employers to design a welding program that prepares students for an entry level career in welding. The welding program integrates theory and technical skills to provide students with the skills necessary for employment at a manufacturing production facility.

Working together, Adult Basic Education, area WorkForce Centers and Northland Community & Technical College have designed a free class to help you brush up on the math skills you will need to begin your path to a career in welding!

Educational Training Collaborative Partners



Northwest Private Industry Council
1730 University Avenue
Crookston, MN 56716
218-281-6020



Northwest Service Cooperative
Adult Basic Education
114 West First Street
Thief River Falls, MN 56701
1-800-562-4053 ext. 117



Northland Community & Technical College
1101 Highway One East
Thief River Falls, MN 56701
1-800-959-6282 ext. 8647

NWSC

Adult Basic Education

Technical Math Skills for Welders



Do you have the math skills necessary to succeed as a welder? Let us help.

**Northwest Service Cooperative
Adult Basic Education
1-800-562-4053 ext. 117**

Why take this class?

- **Make yourself more employable!**

Northwestern Minnesota currently faces a shortage of skilled welders. Area employers are having a difficult time meeting their expansion needs. Welding is a high demand, high pay occupation in this regional economy. Welders can expect to find full-time employment in production welding, manufacturing, repair and maintenance, and the construction industry.

- **Save time and money!**

ABE classes are free to anyone over the age of 16 who is no longer enrolled in high school. ABE classrooms are located in many communities throughout the region. Contact an ABE teacher in your area to build your math skills *before* you enroll in tuition based, credit bearing college classes.

- **Be better prepared!**

Work at your own pace to build your basic skills in the areas of whole numbers, fractions, and decimals. Become more familiar with the vocabulary and measuring tools you will use as a welder. Gain confidence as you build your math skills.

- **Make a smooth transition to college!**

Lessons are directly linked to the welding math curriculum used by Northland Community & Technical College. Upon completion of this course, get assistance enrolling in a welding certificate or diploma program.

- **Added Incentives!**

Successfully completing the pre-welding math with ABE greatly reduces the likelihood of taking a math foundations class – a 3 credit class which is non-credit bearing – a potential savings of approximately \$450!



What will I learn?



**Learn to use
basic math &
measuring
techniques
to solve common
welding shop problems.**

Whole Numbers

Review the basic math facts....addition, subtraction, multiplication, and division.

Fractions

Learn to manipulate fractions through... visualizing, reducing, converting improper to proper, addition, subtraction, multiplication and division.

Decimals

Learn to convert fractions to decimals, and decimals to fractions. Learn to add, subtract, multiply and divide decimals.

English to Metric Conversion

Learn to find equivalent measurements between the English and Metric systems.

Welding Vocabulary & Standard Math Operations

Interpret illustrations to visualize weldments and projects, define key welding concepts and vocabulary, and understand basic mathematical procedure.



How do I get started?

Contact an ABE teacher in a community near you:

Baudette - Rose Anderson, 634-1563

Crookston - Laurie Burkholder, 281-4743

East Grand Forks - Ellen Anton, 793-2380

Fertile-Beltrami - Kirsten Fuglseth, 945-3436

Greenbush - Cindy Christopherson, 762-5891

Hallock - Cindy Christopherson, 762-5891

Halstad - Kathy Shulstad, 456-2506

Karlstad - Cindy Christopherson, 762-5891

Lancaster - Cindy Christopherson, 762-5891

Marshall County - Marion Pagnac, 745-5124

Roseau - Liz Klein, 463-3682

Stephen/Argyle - Ellen Anton, 793-2380

Thief River Falls - Ann Dziengel, 681-2542

Pennington LEC - Mitch Borneman, 681-6161

Warroad - Traci Pederson, 386-1776

Win-E-Mac - Dana Erickson, 945-3216

For more information, contact:

Northwest Service Coop. ABE @

1-800-562-4053 x 117

Northland Community & Technical

College/Thief River Falls @

1-800-959-6282 x 8647

Northwest Private Industry Council @

1-888-438-5627

Or your local WorkForce Center

