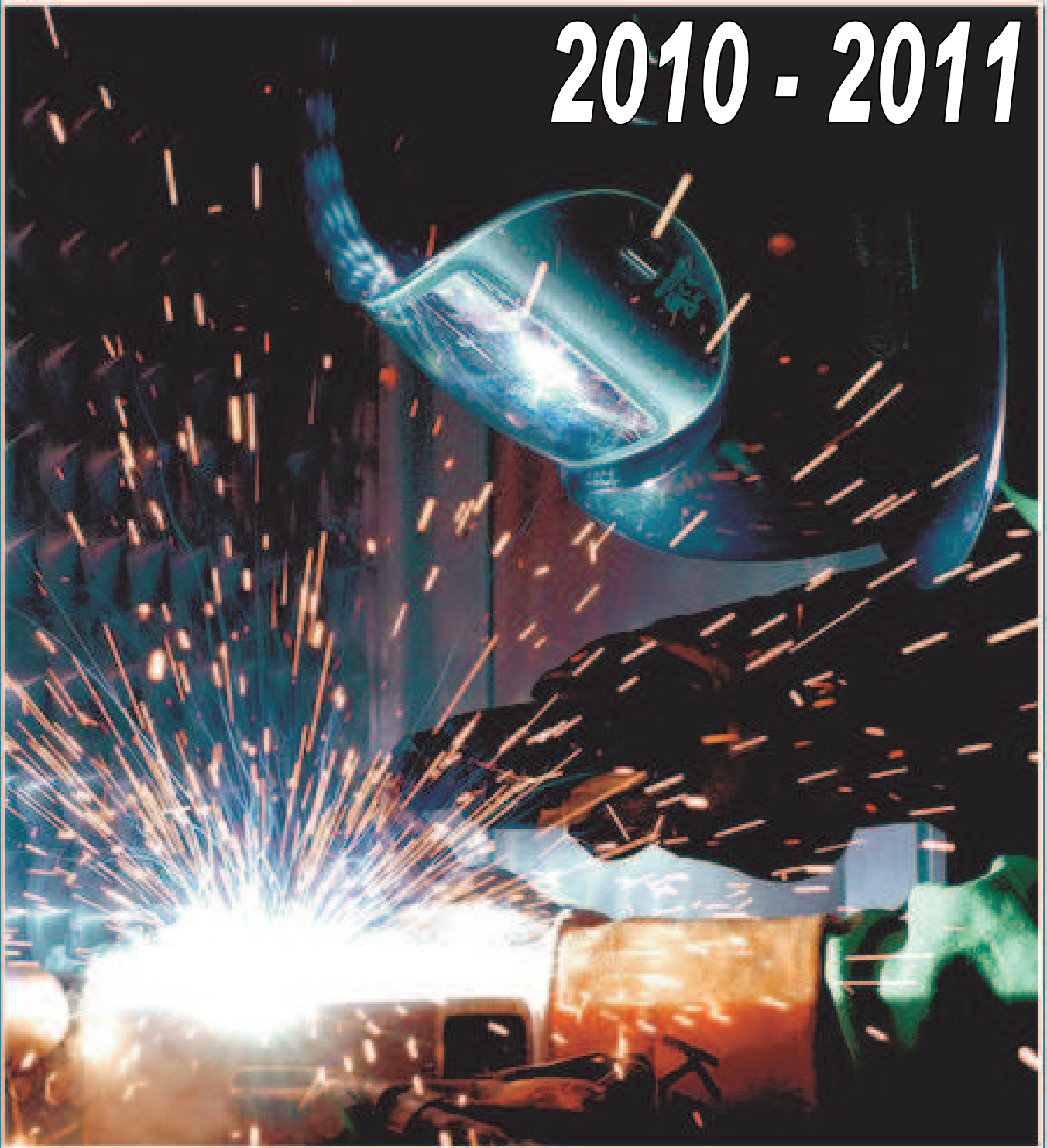


GRB COLLEGE OF WELDING & WELDING PRODUCTS

2010 - 2011





- * Pre-Employment Programs
- * Journeyman Upgrading
- * All Positions & Procedures
- * CWB Training & Testing

9712 - 54 Ave. Edmonton, AB. T6E0A9 Phone: (780) 436-7342 Fax: (780) 436-7344

GRB College of Welding Training & Testing Center

Do you like working with your hands? Have you ever thought about a career in the trades? GRB College of Welding makes learning fun. Students start welding on the very first day! Small class sizes, dedicated Instructors and high job placement rates all contribute to the success of our students.

Established in 1983 as a private Welding College and Welder Training & Testing Centre, GRB College of Welding has been training and testing welders for over 25 years. An ever-changing, challenging industry demands that our Instructors, and those we train keep their skills relevant and current to remain competitive.

Our Pre-Employment Welding course teaches you the skills necessary to get started in the welding trade. Students attend school Monday through Thursday. We start a new class every 6 weeks. Upon the recommendation of our Instructors, students with passing grades and acceptable attendance will have the opportunity to challenge their 1st Year Apprenticeship exams.

Students with funding requirements may apply for a Student Loan. If you are currently unemployed, you may contact Alberta Human Resources & Employment regarding "grant" funding. Aboriginal and/or Metis applicants should contact Oteenow or Metis Nation for their funding requirements.

For more information or questions regarding registration, call 780 436-7342.

Get your welding career started today!



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GRB College of Welding Puts Skills Training First

Why is skills training so important?

True or false?

Anyone can weld - all you've got to be able to do is stick two pieces of metal together.

Absolutely false.

The above statement is one of the biggest misconceptions about welding that there is. Would you feel safe driving a car down the highway that's frame was welded by an unqualified welder? Or, living a half mile away from a live pipeline with natural gas running through it and knowing that the pressurized pipeline was welded by inexperienced welders that didn't possess industry qualifications? Safety standards demand that welders become and remain qualified. What many people don't realize is that the quality of a weld is often tested for strength, porosity, cold lap, lack of fusion, slag inclusions and various other weldment failures. This testing is carried out by specialized companies that use a variety of testing methods including X-ray and tensile, hardness or ductility testing. Without proper skills training, an untrained welder would not be able to have their work pass these tests.

Welding is a learned skill. As well as several different welding processes to learn, each metal type such as aluminum or stainless steel requires a different welding technique. Then there is the material and the different shapes of material to be welded. Welding on plate is obviously quite different than welding on pipe. And welding a 2" diameter pipe is much different than welding a pipe that is 14" in diameter.

So, how does one stay current and up-to-date with all of these different processes? By continually learning and/or upgrading existing skills. Welding is an infinite learning experience. The technology of the material and filler metals is always changing, thus the techniques used for welding them must always be refined as well. As in any other occupation, one must never stop learning. When you stop learning you become limited as to what you are able to do. To quote Bernie Lofchick, author, General Manager of Worldwide Distributors and popular Canadian motivational speaker -

"When you quit getting better, you'll soon stop being good"

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PRE-EMPLOYMENT WELDING PROGRAM

This Pre-Employment Welding Program is a course designed for individuals who are interested in pursuing an apprenticeship in welding but lack the necessary skills required to secure employment. This accredited course will teach you the manual welding skills and theory required by today's employers. Upon completion of the first 12 weeks, students with passing grades and acceptable attendance will be sent to the Alberta Apprenticeship Board to challenge the 1st Year Welder Apprenticeship examinations. Students who successfully pass these examinations will be granted credit for first period of formal instruction only (not including work experience – 10 months) subject to approval of the employer when entering into a contract of apprenticeship.

12 Week Pre-Employment Welding Program	
Monday – Thursday	
Class Hours	9:00 AM – 5:30 PM
Theory (Classroom Instruction)	144 Hours
Practical Welding Instruction	240 Hours
Practical Shop Experience	12 Hours
Total Instruction	396 Hours
Tuition	\$6,930.00
Additional Costs:	
Books/Supplies	Approx. \$500.00
Alberta Apprenticeship Examinations	\$295.00
Total Additional Costs	\$795.00
Total	\$7,725.00

Pre-requisite: You have completed at least GRADE 9 or HIGHER and be in good physical health.

Tuition may be paid by cheque, Visa or MasterCard. Students with funding requirements may request an Alberta Student Loan application at the time of registration. 1st Nations and Métis applicants may contact their band or the Metis Federation of Alberta, or Oteenow to inquire about financial assistance. The Pre-Employment Welding Program offers a new intake date every 3 weeks.



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Pre-Employment Welding Course 2010 / 2011 Intake Calendar

All Start Times 9:00 AM

<u>Start Date</u>	<u>End Date</u>
Dec. 7, 2009	Feb. 25, 2010
Jan. 18, 2010	April 8, 2010
March 1, 2010	May 20, 2010
April 12, 2010	July 2, 2010
May 25, 2010	Aug. 12, 2010
July 5, 2010	Sept. 23, 2010
Aug. 16, 2010	Nov. 4, 2010
Sept. 27, 2010	Dec. 16, 2010
Nov. 8, 2010	Jan. 27, 2010
Dec. 20, 2010	March 10, 2011
Jan. 31, 2011	April 14, 2011
March 14, 2011	June 2, 2011



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Pre-requisites for registration

1. An official transcript of your high school marks.
2. Resume outlining your education, any job experience, volunteer work, or industry related training etc.
3. At least 3 names and contact information of people who know you, and know where to find you once you have graduated and moved on.
4. Your complete mailing and street address plus social insurance number.

*** Please Note: ***

Enrollment **DOES NOT GUARANTEE** your requested start time or entrance into the pre-employment program.

Final acceptance will depend on several factors including funding approval, and our decisions based on the above prerequisite criteria, as to the most likely to succeed candidates.

We only accept **6 students** for each of the enrollment dates listed on the enclosed intake calendar on a first come, first served basis.



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OFFICIAL TRANSCRIPTS

***WE NEED YOUR HIGH SCHOOL TRANSCRIPTS
BEFORE WE CAN ENROLL YOU IN OUR PRE-
EMPLOYMENT WELDING COURSE.***

***Your official transcript must indicate that you have
completed “Grade 9” in the Canadian education system.
This educational requirement is considered the minimum
grade level needed to challenge the 1st year apprenticeship
exams as governed by the Alberta Apprenticeship Board.***

***For a small fee,
ALBERTA TRANSCRIPTS
will provide you with this document.***

***Please remember that potential students must present GRB
College of Welding with a copy of their “Official Transcript”
before we can begin the enrollment process.***

ALBERTA TRANSCRIPTS 427-5732



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Changing Your Career? - The Challenge of Becoming a Mature Apprentice

Speaking openly and honestly about the trades and career availability is very important. We do not want anyone to think that they are unsuited to a new career as a welder, but there are some serious matters to consider when making the decision to become a tradesperson in mid life. The truth of the matter is that entry requirements DO CHANGE a little for mature students and we want to help you *understand* why the requirements change, and what you can do about it.

Once students complete our pre-employment welding course and pass the Alberta Apprenticeship exams they must find a job as an *Apprentice Welder*. It sounds easy and it really is easy for those just starting out, but for those of us who wish to become a welder in mid life it can become a arduous and humbling task. The fact is, most companies utilize apprentices a great deal under the "and other related duties" clause. Most companies would never openly admit that they would not hire a 35 year old apprentice but if you put them to the test you will find out rather quickly that employers in the market for trades people are looking for younger 1st year apprentices; people who can be molded and trained-to-fit by their employer. That is the crux of the problem, it's a dilemma; do we take your money and simply *hope* you can find a job, or should we be upfront and honest and try to help a mature career changer make the right choice? We prefer the upfront and honest approach and have a suggestion to help you become a tradesperson, against the odds.

Until the industry changes its attitude towards mature apprentices it is incumbent upon you, the career changer to find an employer willing to apprentice you. The best way to make a mid-life career change into the trades and specifically into the welding trade is to start by making a list of people you know that are already welders. Talk to these people and find out about the trade. Welding is typically a hard, dirty job. If you were previously employed as a sedentary office worker who, like a lot of us are out of shape and don't like to work in inclement conditions, welding would be a bad choice regardless of employability after training. If, on the other hand, you know all about the trade and are convinced that welding is for you, then your next step would be to secure a job with a company willing to apprentice you once you complete our course. Go back to that list of friends and acquaintances and talk to them about a job. Mature employees can bring a company a sense of commitment, are on time and tend to take a great deal of pride in their employers business and their own quality of work.

To summarize, know your limitations, talk to others in the welding industry, then find an employer willing to apprentice you. Listen to your inner voice - do what you WANT to do this time around. Changing careers in mid-life is a very difficult thing to do so spend some time researching the welding industry and try to be sure that the change you are attempting to make is the right career change for you!



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Funding Information

Student Financing/Funding comes from several agencies but it should be made clear that GRB College of Welding does not fund its own courses. Before applying for funding you must first enroll in our program and to get enrolled you must supply GRB with a copy of your Official High School Transcripts. If you are looking for funding please read on as we'll give you a simplified guide to help you decide where to start.

If you are not a resident of Alberta:

- You may apply for a student loan from the province of which you are a resident. To be considered a resident of a province you must live there for 1 year without being a student.

If you are a resident of Alberta:

- If you are currently working you can apply for an [Alberta Student Loan](#) (Call: 780-427-3722) or pay for the course with cash, (cheque or Debit) a bank loan or credit card. Student loans must be repaid. It is difficult to secure a student loan if you have no way to pay for your daily living expenses (rent, food etc.)

If you are working in a province other than Alberta:

- If you are currently working in another province you can apply for a student loan from the province in which you reside, or pay for the course with cash (cheque or debit), a bank loan or credit card.

If you ARE collecting Employment Insurance:

- If you are not working but you are collecting [Employment Insurance](#) please call your EI counselor. (Employment Insurance does fund our courses, but each person is subject to individual restrictions and or limitations.)

If you are not working, or you do not have marketable skills:

- If you are not working and have no source of income or marketable skills you may be eligible for grant funding from AEII. Please ask us for details.

If you are Aboriginal:

- If you are aboriginal under treaty 6 or 8 please call [Oteenow](#) at 444-0911. The counselors at Oteenow may fund you or direct you toward the correct source of funding if necessary.

If you are Métis:

- If you are Métis please call [Métis Nation of Alberta](#) at 780-423-2287. The counselors at Métis Nation of Alberta may fund you or direct you toward the correct source of funding if necessary.

YOUR FIRST DAY OF SCHOOL

Please have the following:

1. Steel Toe Boots (Not Steel Toe Shoes!)
2. pen / pencils
3. highlighter
4. Calculator (optional to purchase here)
5. lock for locker (optional to purchase here)
6. 3 ring binder (4" – 6" wide)

Lunch:

Most students bring their lunch from home, however there is a café next door that serves variety of items till 3:00 PM.

We have a fridge, microwave, pop machine, and coffee available to students.

IMPORTANT!

YOU WILL BE WELDING YOUR FIRST DAY SO PLEASE BE SURE TO WEAR COVERALLS, OR JEANS (no holes or frays) AND STEEL TOE WORK BOOTS. (Not steel toe shoes!)

DUE TO SAFETY RULES WE CAN NOT ALLOW STUDENTS ACCESS TO THE SHOP WITHOUT THEIR SAFETY GEAR. PLEASE DO NOT FORGET TO BRING THESE ITEMS OR YOU WILL MISS LESSONS WHEN YOU GO HOME TO RETRIEVE THEM.



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Schedule

Mon. – Thurs. 9:00 AM – 5:30 PM

9:00 AM – 10:00 AM	Theory
10:00 AM – 10:15 AM	Coffee Break
10:15 AM – Noon	Theory
Noon – 12:30 PM	Lunch
12:30 PM – 2:30 PM	Practicum
2:30 PM – 3:30 PM	Shop Experience
3:30 PM – 3:45 PM	Coffee Break
3:45 PM – 5:45 PM	Practicum

General School Rules

Absenteeism without prior notice is not allowed and may be considered as grounds for dismissal from the course. The hours missed will still count as though the student were here.

A Doctor's note is required for sick days.

Personal phone calls may be made on the telephone provided in the lunch room and should be restricted to 5 minutes.

If a student has a complaint, he/she should bring it to the attention of Gerald Bellehumeur as soon as possible.

Shop Rules

Proper safety clothing is mandatory. Students must have their own eye and ear protection, welding gloves, welding jacket or denim jacket in good condition, welding cap, coveralls or blue jeans in good condition and safety boots.

All grinding must be done in a safe manner, wearing a safety shield or a welding shield with flapping window.

At the end of each training session, welding booths must be swept clean, unused electrodes returned to their proper storage cabinet and welding cables hung back up properly.

Any damaged tools or equipment must be reported to an Instructor.

Shop and school rules change from time to time and will be updated on your first day orientation.

PRIVATE VOCATIONAL SCHOOLS ACT
GRADUATE REPORT FOR ADVERTISING PURPOSES

SCHOOL: GRB College of Welding
9712 – 54 Ave
Edmonton, AB

LICENSED PROGRAM: **PRE-EMPLOYMENT WELDING 12 WEEK**

REPORT DATE: April 15, 2009

REPORTING PERIOD: April 1, 2008 to March 31, 2009

1. GRADUATION RATE: **74%** (of the students enrolled, successfully completed)

2. JOB PLACEMENT RATE: **86%**

3. JOB PLACEMENT INFORMATION:

Graduates in full-time training related employment	24
Graduates in part-time training related employment	0
Graduates in non training related employment	0
Graduates not employed	0
Graduate continued to higher education precluding job search	2
Graduates in special circumstances precluding to job search	1
Graduate was unable to locate	3
TOTAL GRADUATES	28



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Theory Course Outline

WEEK	SECTION
	120101a – Welder Apprenticeship Training Program Orientation
1 & 2	120101b – Safety Guidelines 120101c – Welding Safety 120101d – Hand Tools 120101e – Power Tools TEST – Safety/Hand Tools Quiz
3	120101i – Oxy Fuel Cutting 120102e – Shop/Lab Practices: SMAW Welds on Mild Steel Plate 120101f – Weld faults TEST – Weld Faults
4	120102b – SMAW Equipment 120102c – Mild Steel Electrodes
5	120102d – Basic Joints & Weld Types
6	120102f – Arc Cutting & Gouging TEST – SMAW Quiz
7	120103a – Gas Metal Arc Welding (GMAW) Equipment 120103b – GMAW Filler Metals, Shielding Gases and Safety
8	120103e – Submerged Arc Welding (SAW) 120103f – Shop/Lab Practices: GMAW Welds on Mild Steel
9 & 10	120101g – Oxy Fuel Equipment 120101h – Oxy Fuel Welding, Brazing & Braze Welding
11 & 12	120104a – Trade Problems: Fractions 120104b – Trade Problems: Decimals 120104c – Trade Problems: Percentage & Ratios 120104d – Trade Problems: Geometric Formulas 120104e – Trade Problems: Metric & Imperial Measurements <i>Math: Average 20 pages per week to be completed by week 11</i> TEST – Pre-Employment Final # 1 TEST – Pre-Employment Final # 2 TEST - Pre-Employment General Exam TEST – Pre-Employment Final # 3



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FIRST YEAR WELDER PRACTICAL

Week	Project	Material	Electrode / Wire
WELDING EXERCISES			
#1	Stringer Bead / Flat - SMAW	1/4" x 6" x 12"	E6010 x 1/8" E7018 x 1/8"
#2	Build Up Bead / Flat - SMAW Build Up Bead / Horizontal - SMAW	1/4" x 6" x 12" 1/4" x 6" x 12"	E6010 x 1/8" E7018 x 1/8"
#3	Fillet Weld 3 Pass Flat - SMAW Fillet Weld 3 Pass Horizontal - SMAW	3/8" x 6" 3/8" x 6"	E7018 x 1/8"
#4	Fillet Weld 3 Pass Vertical - SMAW	3/8" x 6"	E6010 x 1/8" E7018 x 3/32"
#5	Fillet Weld 2G / 3G - SMAW	3/8" x 6"	2G - E7018 x 1/8" 3G - E6010 x 1/8" E7018 x 3/32"
#6	1G Butt Weld - SMAW	3/8" x 6"	E6010 x 1/8" E7018 x 1/8"
#7	Fillet Weld 2F - GMAW Butt Weld 1G - GMAW	3/8" x 6"	ER70S-6 x 0.035"
#8	Fillet Weld 3F - FCAW Butt Weld 1G / 3F - GMAW	3/8" x 6" 1/8" x 1 1/2" x 6"	E71T-1 x .045" ER70S-6 x .035"
START / REVIEW CUTTING EXERCISES			
#9	Brazing 3F / Cutting	1/8" x 1 1/2" x 4"	3/32" Brazing Rod
#10	Review / Cutting	All of the above	All of the above
#11	Review / Cutting	All of the above	All of the above
#12	Review & Test	All of the above	All of the above

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