

**TRU Career Technical Centre**  
*“bridging secondary and post-secondary education”*  
**Trades Training for Secondary School Students**

## **TRU WELDING LEVEL C PROGRAM**

### **Program Description:**

Welding is a blend of imagination, creativity, artistry, knowledge and skill, making it a great career for both women and men in the mechanical, manufacturing, heavy industry or building trades.

### **Training topics for this trade-entry program include:**

Gas Welding & Braze Welding	Applied Math	Material Handling
Oxy-fuel and Plasma Cutting	Flux Core Arc Welding	Use of Fabricating Equipment
Shielded Metal Arc Welding	Air Carbon Arc Gouging	Welding Metallurgy
Gas Metal Arc Welding	Basic Blueprint Reading	

Welders must be able to visualize a finished product from a drawing, so it's helpful to start with a better-than-average knowledge of applied mathematics, imperial and metric calculations, geometry, and computer skills. It's also important to have good analytical skills, a mechanical aptitude, and good hand-eye coordination. Being safety-conscious and having a willingness to learn new technologies are critical to success as a welder.

### **Job Opportunities:**

Welders work around the world on major construction projects such as bridges, pipelines, railways and aviation, or handle the maintenance of metal structures in industrial plants and factories. There are job opportunities for graduates in welding & fabrication, transportation, oil & gas, logging, lumber and pulp & paper industries. Upon obtaining your journeyman certification, there are opportunities to start your own business!

### **Benefits of Attending this Program as a CTC student:**

- Early admission to post-secondary studies while still in secondary school
- **No post-secondary tuition fees** while enrolled as a TRU CTC student (**a savings of over \$3,100**). Students are responsible for some program costs – see page 2 of the application for a list of estimated costs.
- Obtain twenty-eight Grade 12 credits for your secondary school diploma and the TRU Welding Level C Certificate in one school year!
- Get a jump-start into a meaningful trade career

### **Who is Eligible to Apply for the TRU Welding Level C Program – 2010 CTC Intake?**

- There are fifteen (15) seats available for secondary school students for this program (*subject to funding*) (*5 of the 15 seats will be in the daytime class, and 5 will be in the afternoon session and as well as 5 for the Feb – August 2012 class*)
- Students must be born after September 30, 1992 to allow them to participate in post-secondary training during their Grade 12 school year for this intake.
- Students attending a SD83, SD58, SD73 or SD74 Secondary School, who are currently in Grade 10, are eligible to apply prior to the **early application deadline of April 8, 2010**. Grade 10 students from other school districts or independent schools should contact their school counselor to discuss their eligibility. If approved, the student should then submit an application prior to the early registration deadline to be eligible for selection for any seats remaining after the SD83, SD58, SD73 and SD74 seat assignments are completed.
- CTC applications received after the April 8, 2010 early registration deadline will be assessed on a first-come-and-qualified, first-served basis. Qualifying students will be assigned to any remaining CTC seats or added to program waitlist.

*\*\*\* Program subject to funding approval by the ITA and TRU \*\*\**

# TRU Welding Level C Program

## What credentials can I earn with this Program?

Upon completion of this program, the student will obtain the TRU Welding Level C Certificate. With this certificate, followed by completion of the required number (currently 1000) of logged government-approved work place hours the student is eligible to receive the Welder Level C Seal. After obtaining the Welding Level C Seal from the Industry Training Authority (ITA) of BC, the ITA will grant credit for first year Welding Apprenticeship.

## What further training do I qualify for?

Upon receiving the Welder Level C Seal, the student is eligible to enter the Welding Level B Program, followed by the Welding Level A Program.

Upon successful completion of Level B technical training, the student will be eligible to write the inter-provincial exam and on successful completion of the I/P exam and the required logged government-approved work place hours, the student may apply to obtain their Red Seal in Welding.

## How do I Apply?

Application forms and brochures are available via the TRU Transitions Webpage:

[www.tru.ca/trades/transition](http://www.tru.ca/trades/transition)

Please contact your local school counselor to assist you with the application process. If you require further information, please contact Leslie Matthews: (250) 828-5109 or email: [ctc-kamloops@tru.ca](mailto:ctc-kamloops@tru.ca).

## Application Requirements:

- Full Grade 9 background (with no failed core courses) and maintain a passing grade level in current Grade 10 studies
- Interview with secondary school counselor (to select courses and review the CTC application)
- All sections of the CTC application form must be completed, a copy of the final Grade 9 and current Grade 10 report cards & attendance records.

## Prerequisites for the Start of Post-Secondary Training:

### Admission Requirements:

*(see page 4 of this brochure for more details)*

- A full Grade 10 background (no failed core courses)
- Students will successfully complete all Grade 11 and 12 core courses during their Grade 11 school year.
  - It is strongly recommended that a student obtain a minimum C+ average in:
    - Applications or Principles of Math 11  
*see last page of this brochure for more details regarding Math options*
    - English 12 or Communications 12
- Student must write the Accuplacer test by March 10, 2011 and must obtain a successful placement no less than 60 days prior to start of training.
- Student must provide a current secondary school transcript prior to the start of post secondary training.

## TRU Welding Level C Program

### CTC Two-Year Training Schedule:

- **September 2010 – June 2011:**
    - Complete all Grade 11 and 12 core courses required for graduation plus the electives of your choice
  - **By March 10, 2011:**
    - Obtain satisfactory score on Accuplacer exam( see next page)
  - **Spring 2011:**
    - IF Accuplacer scores are not acceptable, student has the option to take the necessary Math or English upgrading courses during the spring of 2011 – student must commit in writing to this upgrading by April 15, 2011 to maintain his/her seat in the program. Student is responsible for booking and paying for any Accuplacer rewrites necessary. A successful Accuplacer rewrite is required no later than 60 days prior to the start of Post Secondary training.
  - **June 2011:**
    - Prior to the start of post-secondary training, student and parent/guardian must attend a CTC Welding Level C program orientation session.
    - During the orientation session, the instructor will confirm the list of materials the student must purchase i.e. tool box with hand tools, welding helmet, cap, jacket, coveralls, gloves and goggles, CSA work boots, safety glasses, learning guides and manuals, calculator, etc. (Approximate cost: \$900.00)
    - Student will be required to pay the TRU \$25 application fee at this time – see page 2 of the CTC application for more details on program costs that the student will be responsible to pay.
  - **August 2011 – March 2012:**
    - Complete Welding Level C at TRU Kamloops (student is responsible for transportation/ accommodations costs)
    - Student will receive twenty eight (28) Grade 12 credits upon completion of the TRU Welding Level C Certificate
  - **Spring / Summer 2012**
    - Find an employer to obtain 1000 hours of work place government approved hours of welding work experience and be eligible to receive the Welder Level C Seal.
- With the Welder Level C Seal, the student can:**
- Take the TRU Welding Level B Program, followed by the TRU Welding Level A Program.
  - Upon successful completion of Level B technical training, the student will be eligible to write the inter-provincial exam and on successful completion of the I/P exam and the required logged government-approved work place hours, the student may apply to obtain their Red Seal in Welding.

**NOTE: Final funding & scheduling decisions may affect seat availability, training length (which may affect start/end dates). Delivery of all programs is subject to funding approval by the Industry Training Authority and TRU.**

## Entrance Requirements for TRU Mechanical Programs

The TRU Mechanical Trades Faculty has set the entrance requirements for admission to the Mechanical foundation training programs. The following information provides details of these requirements:

- **Accuplacer Exam:** All 2010 CTC applicants for TRU Mechanical programs must write the Accuplacer exam. Applicants must obtain the minimum placement level on the Accuplacer exam, as indicated below.
- **Writing the Accuplacer Exam:** **All 2010 CTC applicants must write the Accuplacer exam no later than March 10, 2011.** Students write the Accuplacer exam at the TRU Assessment Centre. Students are advised to contact the TRU Assessment Centre early in February 2011: by phone (250) 828-5470 or email [assess@tru.ca](mailto:assess@tru.ca) to book their time. When booking, students must identify themselves as 'CTC' students to be sure the results are reported to the TRU Transitions office. Applicants are responsible for the Accuplacer exam fee (currently \$35). Detailed information about Accuplacer testing at TRU is available on the TRU Assessment Centre website at:

[http://www.tru.ca/student-services/assmnt/tru\\_entry\\_assessments.html](http://www.tru.ca/student-services/assmnt/tru_entry_assessments.html)

Required Placements for the Accuplacer Exam:	Math*	English*
Welding Level C	0400	0400
Automotive Service Technician	0500	0600
Heavy Duty/Commercial Transport Mechanic	0400	0400
Power Sports and Marine Equipment Technician	0400	0400
Warehousing - Partsperson	0400	0400

(\*0400 is approximately equivalent to Grade 10, 0500 Grade 11 and 0600 Grade 12)

**Note:** *IF Accuplacer scores are not acceptable, student has the option to take the necessary Math and/or English upgrading courses during April - June 2011 – student must commit in writing to this upgrading by April 15, 2011 to maintain his/her seat in the program. Student is responsible for booking and paying for any Accuplacer rewrites necessary. A successful Accuplacer rewrite is required no later than 60 days prior to the start of Post Secondary training.*

### Math Requirement:

- Applications of Math 11 or Principles of Math 11 are recommended for these programs.
- Essentials of Math 11 will be accepted under the following conditions:
  - The student should obtain a minimum 65% final mark for Essentials of Math 11 plus obtain a minimum 60% average for all other Grade 11 & 12 core courses.
  - The student must obtain a minimum 0400 Math placement on the Accuplacer exam (0500 for Automotive)

### Grade 12 Requirement:

CTC applicants must complete their Grade 11 and 12 core courses, prior to the beginning of their post-secondary trades training.

**Note:** Effective April 9, 2010, any remaining CTC seats for the 2010 Intake will be assigned on a first-come-and-qualified, first-served basis... completed applications should be submitted to TRU Transitions, attn: Leslie Matthews (250) 828-5109 fax 828-5492, ASAP!

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