

Industry Specific Training

To Register | 403.357.3663 | www.rdc.ab.ca

CERTIFICATES & DESIGNATIONS

Occupational Health & Safety
Electrical / Instrumentation Technician
Welding / Millwrighting
Heavy Equipment
Plumbing Technician
Trades Preparation and Exploration

PROFESSIONAL DEVELOPMENT

Water Well Driller 1
Pump Installer
Transportation Safety Director
Air Brake Q Endorsement
Production Field Operations
Gas Process Operations
Power Engineering Theory
Rig Tech Level 1
Master Electrician Exam Preparation
"B" Pressure for Journeyman Welders
GTAW-TIG Level 1
CWB & B Pressure Testing
Introduction to Woodworking Tools
Introduction to Cabinet & Furniture Making





Occupational Health and Safety

Red Deer College is pleased to collaborate with the U of A to provide Occupational Health and Safety training in our local area.

All courses are available for students to take as stand-alone courses. Take one course, or work on the entire certificate at your own pace.

This certificate program is designed to help practitioners from many different backgrounds develop the competencies needed to be effective in the development, implementation and evaluation of occupational health and safety programs and systems in a wide variety of occupational settings.

- Contribute to the development and maintenance of healthy and safe workplaces
- Develop the professional competence of people who practice, or aspire to practice as occupational health and safety professionals
- Develop an understanding of, and the ability to apply concepts, principles, and practices involved in the anticipation, recognition, evaluation, control, prevention, reduction, and elimination of hazards, accidents, injuries, diseases, and disabilities to people in on-the-job situations

If you wish to register in the University of Alberta's OH & S certificate you must complete all 6 of the compulsory core courses, any 2 elective courses and 35 hours of enrichment courses (minimum 329 hours total). Once all courses are successfully completed you will receive the U of A O.H. & S. Certificate. The entire certificate may take 2.5 to 3 years to complete.

This program is regulated by the U of A and therefore prior learning assessments are determined by the U of A.

For more information go to: www.extension.ualberta.ca/ohs

All required textbooks will be available at the Red Deer College bookstore.

CORE COURSES

Organizational Behaviour (Bus 303)

Please call the Registrars' Office at 403.342.3400 for a schedule of this credit course.

Health & Safety Legislation and Policy (21 hours)

Text book required
Course #2051
Sept 17, 24 & Oct 1
Sat, 9:00 am – 5:00 pm
\$625

Fundamental of Occupational Hygiene (39 hours)

Text books required
Course #2406
Oct 11 – Nov 8
Tues, 6:30 – 9:30 pm
Sat, 9:00 am – 4:00 pm
\$625

Applied Occupational Hygiene (39 hours)

Prerequisite: Fundamentals of Occupational Hygiene
Text book required
Course #2394
Feb 21 – Mar 20
Tues, 6:30 – 9:30 pm
Sat, 9:00 am – 4:00 pm
\$625

2012/2013 Core Courses:

Introduction to Health and Safety Systems
Fall 2012
Management of Health and Safety Systems
Winter 2013

ELECTIVE COURSES

Safety Hazard Recognition, Evaluation and Control (39 hours)

Text book required
Course # 2397
Jan 10 - Feb 7
Tues, 6:30 – 9:30 pm
Sat, 9:00 am – 4:00 pm
\$625

How to be an Effective Safety Trainer (39 hours)

Course #1558
May 8 – June 9 (No Class May 19)
Tues, 6:30 – 9:30 pm
Sat, 9:00 am – 4:00 pm
\$625

ENRICHMENT COURSES

Safety Culture and Perception Surveys (7 hours)

Course #2405
Nov 19, Sat, 9:00 – 5:00 pm
\$365

Accident Causation (7 hours)

Course #2407
Dec 3, Sat, 9:00 am – 5:00 pm
\$365

Incident Investigation (14 hours)

Course #2398
March 24 & 31
Sat, 9:00 am – 5:00 pm
\$525

Conflict and Confrontation (14 hours)

Course #2396
April 10, 14 & 17
Tues, 6:30 – 10:00 pm
Sat, 9:00 am – 5:00 pm
\$525

Behaviour Based Safety: (14 hours)

Course #2395
April 24, 28 & May 1
Tues, 6:30 – 10:00 pm
Sat, 9:00 am – 5:00 pm
\$525

Pre-employment Trades Programs

No experience but interested in training for a trade? Then these are the programs for you!

These programs are ideal for those looking for a career or a career change and you do not need to be employed or indentured as an apprentice.

Red Deer College has certificate programs that provide you with apprenticeship training, including additional hands-on practice; and employability skills. These programs prepare you to enter the workforce as an apprentice and will make you more marketable when competing for entry level employment in the trades. After successful completion of one of these programs, you will challenge the Alberta Apprenticeship Industry Training exams for each period of technical training that you complete.

The 32-week certificates include three periods of apprenticeship training, a minimum of 70 hours toward the Blue Seal business certificate, and Basic Technical Mathematics.

You will have the opportunity to participate in a 2-week practicum if all course requirements are met.

The 24-week certificates include two periods of apprenticeship training plus additional hands-on skills and trade specific safety training.

- To learn more about your trade of interest, the required prerequisites for each course, the course outlines and the number of practical hours needed for your desired trade, visit www.tradesecrets.gov.ab.ca, and click on "Trades and Occupations".
- Students need to ensure that they have the required prerequisites for the trade they wish to enter in order to write the Apprenticeship Industry Training (AIT) exam.
- CSA approved personal protective equipment is required for the practical component of each trade.
- Student Funding may be available – visit www.rdc.ab.ca/scholarships.

<p>Electrical/ Instrumentation Technician Oct 11, 2011 – June 8, 2012 Mon – Fri, 8:30 am – 3:30 pm \$5088+ Books & PPE</p>	<p>Welding/Millwrighting Oct 11, 2011 – June 8, 2012 Mon – Fri, 8:30 am – 3:30 pm \$5088+ Books & PPE</p>
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<p>Heavy Equipment Certificate Jan 9 – June 29, 2012 Mon – Fri, 8:30 am – 3:30 pm \$2795 + Books & PPE</p>	<p>Plumbing Technician Jan 9 – June 29, 2012 Mon – Fri, 8:30 am – 3:30 pm \$2795 + Books & PPE</p>
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Students need to apply early as funding and space is limited

Trades Preparation and Exploration NEW

This 20 week certificate program will create opportunities for learners to acquire the knowledge, skills and values for entry into a trades career. The curriculum includes math, science and reading skills to ensure that graduates will be able to successfully complete technical training in their chosen trade. Students will learn about different career paths in the skilled trades and they will have a hands-on, in-depth exploration of three different trades in Red Deer College's state-of-the-art apprenticeship training facilities under the guidance of qualified journeyman instructors.

Course #2425
Jan 9 – June 1, 2012
Mon – Fri, 8:30 am – 3:30 pm
\$1995 + Books & PPE



Join us for our
Industrial and Trades
Information Night at Red Deer College!
SEPTEMBER 7th | 7 - 9 PM

HEAR ABOUT:
32 - Week Certificate programs
24 - Week Certificate programs
20 - Week Trades and Exploration Certificate
Course information | Registration | Funding Options

Speak with RDC trades instructors who can answer all your questions.

To reserve a seat call **403.356.4900**
Room 2901A (J.B. Quinn Centre for Corporate Training)



Children are fun, so is a career working with them!

EARLY LEARNING AND CHILD CARE OUTREACH PROGRAM

ELCC graduates work with children in child care settings, preschools, family child care, as aides in schools or special needs programs, in after school care, family support programs – and more!

If you would like to work with children, or are already working and would like to further your education, we offer a variety of course options. In addition to regular on campus studies, we offer certificate level blended delivery courses (2 Saturday seminars, 2 audio-classes, plus home study). If you have an ELCC certificate, you can take all your diploma level courses online.

Part time students are accepted conditionally without formal admission requirements.

Contact us to find out more about course offerings and funding opportunities.



For more information | www.rdc.ab.ca

PROFESSIONAL DEVELOPMENT

Water Well Driller Year 1 - Online

NEW

A Water Well Driller is a competent tradesperson who through skill and knowledge is capable of designing, drilling, constructing, developing, servicing, disinfecting and sanitizing water wells. This program is open to anyone interested in becoming certified as a Water Well Driller through Red Deer College. This program provides the first year theory component through distance delivery. Upon successful completion of the course the student will receive an RDC certificate. Students have 6 months to complete the course from time of registration.

Requirement: Internet and email access.

Course #2494

\$1575

Pump Installer - Online

Stay at home while you train with this distance delivery program. Topics include: Well Construction & Design, Introduction to Pumps, Pump Repair & Maintenance and Water Systems. Upon successful completion you may earn 1000 hours accreditation toward the Canadian Ground Water Association Pump Exam.

Requirement: Internet and email access.

Course #600

\$575

Transportation Safety Director - Online

The Transportation Safety Director program provides the basics of safety and health information for the transportation industry. This program focuses on the information and skills you need to become a designated health and safety representative (the Safety Director) for a company in the transportation industry. This course should be looked at as the starting point for your learning with three main components:

- 20 independent study modules mailed out separately or as a complete package
- 12 assignments and online activities
- Cumulative test

Requirement: Internet and email access.

Course #688

\$1395

Air Brake Q Endorsement

Theory and practical hands-on testing will cover necessary information for successful participants to qualify to receive the "Q" endorsement for drivers.

Requirement: CSA approved steel-toed boots.

Course #1857

Sept 24

Sat, 8:00 am – 4:00 pm

\$170

Course #305

Oct 22

Sat, 8:00 am – 4:00 pm

\$170

Course #314

Dec 3

Sat, 8:00 am – 4:00 pm

\$170

Production Field Operations

The objective of the Production Field Operations program is to provide theoretical knowledge that relates to field operations. There are four levels required to complete the certificate with 26 modules each. These modules cover Field Operations, Subsurface Principles and Operations, as well as Surface Processing of Oil and Gas. The course levels are designed to be taken sequentially, from Level A to D, each level containing modules from the various training areas. Upon successful completion of all four levels participants will receive a SAIT certificate. Go to www.rdc.ab.ca/industrial to view a listing of the modules covered in each level.

Production Field Operations A

Course #2262

Sept 20 – Oct 27

No Class: Oct 25

Tues & Thurs, 6:30 – 9:30 pm

\$1095

Production Field Operations B

Course # 2267

Nov 8 – Dec 15

No Class: Dec 13

Tues & Thurs, 6:30 – 9:30 pm

\$1095

Production Field Operations C

Course # 2266

Jan 31 – Mar 8

No Class: Mar 6

Tues & Thurs, 6:30 – 9:30 pm

\$1095

Production Field Operations D

Course # 2267

Mar 20 – Apr 26

No Class: Apr 24

Tues & Thurs, 6:30 – 9:30 pm

\$1095

Gas Process Operations

The objective of the Gas Process Operations program is to provide theoretical knowledge that relates to plant operations. There are four levels required to complete the certificate. Each level covers a variety of topics about gas processing, plant equipment and processes as well as knowledge of the underlying concepts, basic background, and plant safety. Upon successful completion of all four levels participants will receive a SAIT certificate. Go to www.rdc.ab.ca/industrial to view a listing of the modules covered in each level.

Gas Process Operations A – Field Operations

Course #641

Sept 17 – Oct 29 (No Class Oct 8)

Sat, 9:00 am – 4:00 pm

\$1095

Gas Process Operations B – Plant Equipment

Course #2007

Nov 12 – Dec 17

Sat, 9:00 am – 4:00 pm

\$1095

Gas Process Operations C – Plant Process

Course #643

Jan 28 – Mar 10 (No Class Feb 19)

Sat, 9:00 am – 4:00 pm

\$1095

Gas Process Operations D – Auxiliary Equipment

Course #644

Mar 24 – May 12 (No Class April 7)

Sat, 9:00 am – 4:00 pm

\$1095

Power Engineering Theory

Important Note: Participants completing our theory courses will qualify to write the Part A ABSA exam. However, Red Deer College is not equipped to offer courses on the practical or lab components of power engineering. To write Part B you must have successfully passed the RDC course AND have 6 months of acceptable experience or complete a recognized lab program.

The 4th Class Power Engineering theory course is offered as two separate programs. Both must be successfully completed to receive full credit. Also an 80% attendance record is required for all ABSA recognized courses. 4th Class Power Engineers will be qualified to operate high pressure power plants as well as low pressure heating plants. For more information, call the ABSA Examination Hot Line at 1.888.454.3926 or visit their website at www.absa.ca. Successful completion of the 4th Class Power Engineering course Parts A & B is a mandatory step for anyone wanting to obtain a 4th Class Power Engineering Certificate.

Prerequisite: Completion of Grade 10 Math, English and Physics (or equivalent) is recommended.

Textbook: Students must order the current Fourth Class Power Engineering textbooks through Pan Global. You will need your books for the first night of classes. The required textbook is for both Part A and B theory courses. <http://powerengineering.org/>

IMPORTANT NOTE: If you have USED books for the course you will need access to the Pan Global website to complete required course work. The website access must be completed through Red Deer College. The web access fee is \$275, which provides access for 12 months from the date of registration.

4th Class Power Engineering Theory - Part A (72 hours)

The 4th Class Power Engineering course has been developed to meet the requirements of the Safety Codes Act, Power Engineers Regulation and designed to assist you to challenge the 4th class Part A exam. When you successfully complete Parts A & B Theory you may be eligible to challenge the Alberta Boilers Safety Association (ABSA) 4th Class Part A exam.

Requirement: Scientific calculator.

Course #345

Sept 19 – Dec 15

No Class: Oct 11 & Nov 11

Mon & Thurs, 6:30 – 9:30 pm

\$1049

Course #2424

Online Access Fee

\$275 + GST

4th Class Power Engineering Theory - Part B (72 hours)

This course has been developed to meet the requirements of the Safety Codes Act, Power Engineers Regulations. Part A does not have to be taken before Part B; however, both need to be successfully completed to be eligible to write the Part A exam.

Requirement: Scientific calculator.

Prerequisite: Completion of Grade 10 Math, English and Physics (or equivalent) is recommended.

Course #348

Jan 9 – Apr 5

No Class: Feb 21

Mon & Thurs, 6:30 – 9:30 pm

\$1049

Course #2399

Online Access Fee

\$275 + GST

Rig Tech - Level 1 Online

Rig Techs (Motor Hands) operate oil and gas drilling rigs. This course provides apprentices and non-apprentices with preparatory materials and support to challenge the government exam for Rig Technician-Level 1. Rig Technician is delivered in an online format and works through the Alberta Apprenticeship and Industry individual learning modules, along with practice exercises and tutor support.

Books cost: \$167.00 + GST

Course #2308

Winter Term

\$795

Master Electrician Exam Preparation Course

This 70 hour web based program is supported by classroom and individual instruction. The course is intended to prepare you for the Masters Certification Exam. You will cover the Canadian Electrical Code; Alberta STANDATA; Electrician and Apprenticeship regulations; O.H.S.A, WCB and Permit Regulations.

Requirements:

- A minimum of 3 years experience as a journey person
- Current Canadian Electrical Code book and a calculator
- Participants must purchase Electrical ILMs from the RDC bookstore prior to course commencement
- There is an additional fee of \$105 to write the Safety Codes Council exam

Course #966

Oct 1 – Dec 10 (No Class Oct 8)

Sat, 8:30 am – 4:30 pm

\$899

GTAW-TIG Level 1

NEW

Level 1 is a 40-hour program designed to learn the basics and safety related to the GTAW-TIG welding process. This course will include fundamentals and procedures for the welding of Mild Steel, Stainless Steel and Aluminum using edge, corner, lap and fillet configurations and is limited 10 gauge material.

Welding experience an asset but not required.

Requirements: CSA approved leather steel-toed (over the ankle) boots and safety glasses, gauntlet style leather gloves, pen and notebook for the first day of class. A cotton smock or coveralls are recommended.

Course #2427

Oct 11 – Nov 10

Tues & Thurs, 6:00 – 10:00 pm

\$695 + GST

“B” Pressure for Journeyman Welders

This 40-hour course will assist you to upgrade from Journeyman to “B” Pressure. Shop will include simulation of initial “B” pressure welding on 6”SCH.80 pipe, to help you prepare for the exam. Price does not include ABSA’s initial “B” test fee. Demand for this course is high, so register early!

Requirement: CSA approved leather steel-toed (over the ankle) boots and safety glasses, gauntlet style leather gloves, pen and notebook for the first day of class. A cotton smock or coveralls are recommended.

Course #369

Oct 11 – Nov 10

Tues & Thurs, 6:00 – 10:00 pm

\$895 + GST

**Course fee does not include initial “B” test fee.*

Don't wait to register last minute!

Register early to avoid disappointment as some courses have a maximum enrolment. For course information or to register, visit www.rdc.ab.ca or call 403.357.3663.

Please book your CWB and B-Pressure tests in advance by calling 403.356.4900

CWB Welding Tests

Red Deer College is now a Certified Canadian Welding Bureau (CWB) testing facility. Welders who are not employed by a company certified to CSA W47.1 and are not a member of a union providing testing facilities can now make arrangements to be tested at RDC. On successful completion of the test the welder will be given a letter by the Canadian Welding Bureau representative certifying them to CSA W47.1 standards.

Available Tests:

Test 1: P1 – F4 (SMAW), 3/8" Plate

Test 2: P1 – F6 (GMAW-spray), 3/8" Plate

Test 3: P1 – F6 (GMAW-short circuit), 1/4" Plate

Test 4: P1 – F6 (FCAW), 1/2" Plate

Test 5: P1 – F6 (FCAW), 3/8" Plate

4 positions for each test are available:

- Flat
- Vertical
- Horizontal
- Overhead

All tests are \$130 per test plate + GST (price includes materials).

Tests are conducted Wednesdays @ 8:00 AM

"B" Pressure Re-Tests and Job Tests Also Available

RDC's Welding Department conducts Performance Qualification Testing of Pressure Welders and Machine Welding Operators. ABSA Reg No: AOQP-7114 (C)

Common Tests Qualified with an RDC WPS as follows (but not limited to):

- Small Bore – 2" sch 160 or XXH
- Small Bore – 2 1/2" Boiler tube qualifies MTBW fill/cap F-4
- SMAW,GTAW F-3 or F-6 root – SMAW F4, F-5 Fill/Cap

Tests are conducted Mondays at 3:00 pm (and on Tuesdays following a statutory holiday).

Performance Qualification Testing to a company specific WPS can be conducted. Contact the QC manager at 403.357.3624 with any questions.

Please book your CWB and B-Pressure tests in advance by calling 403.356.4900.

Introduction to Woodworking Tools

This course is designed for individuals who want more from their hand and power tools including: hand planes, handsaws, chisels, power hand saws, drills, jigsaws and miter saws. This course stresses safe operation and correct selection of tools for each project. A small project using hand and power tools will be completed. This course is a prerequisite for any future course involving carpentry shop equipment. Requirements: Safety glasses, tape measure and pencil.

Course # 2054

Oct 11– 20

Tues & Thurs, 6:30 – 9:30 pm

\$265 + GST

Introduction to Cabinet & Furniture Making

This course is intended for those who would like to further their knowledge in woodworking. You will enhance your knowledge and skills to work safely and efficiently in a shop environment. You will also learn how to prepare stock and create joinery, which is used in the construction of cabinets and fine quality furniture. Your sample joinery will be yours to take home for future reference.

Requirements: Safety glasses, tape measure and a pencil.

Prerequisite: Introduction to Woodworking Tools and a basic knowledge of cutting and fastening wood is required. You must have prior experience with table saws and other woodworking tools.

Course # 2276

Nov 15 – Dec 1

Tues & Thurs, 6:30 – 9:30 pm

\$375 + GST