

Career and Technology Studies

Provincial Professional Learning Opportunities

Summer 2011

Post Secondary Sessions – Spring and Summer 2011

These courses are designed to meet the needs of BEd teachers or students within the education program who would like to build on skills necessary to teach in a Career and Technology Studies (CTS) setting.

These courses have been generously subsidized by a grant from Alberta Education.

You may also qualify for additional assistance with expenses. Complete information is posted on the Central Alberta Regional Consortium website (CARC) at: http://www.carcpd.ab.ca/CTS_PD.html

Grande Prairie Regional College

10726 106 Ave, Grande Prairie, AB T8V 4C4

Department of Arts & Education

Phone: 780.539.2995 Fax: 780.539.2732

To register, call Student Services at 780.539.2944.

Location: Grande Prairie Composite High School

EDCT 400 - Organizing for Instruction in CTS (Practical Arts/Industrial Arts)

August 8 to 12, 2011 8:30am to 4:30pm

Cost: \$379.25

This course is a practical guide for teachers in a shop environment.

You will learn to:

- set up your shop for safety and supervision
- learn how to maintain and store your tools and equipment
- design and use projects that enhance student learning and assessment
- get the most from your budget
- get control and manage your students
- learn strategies to look after yourself so that you and the program last

EDCT 210--Teaching Power Tools and Processes

August 15 to 19, 2011 8:30am to 4:30pm

Cost: \$379.25

This course will teach basic power tool operations in woodworking and metal working. The course focuses on, but is not limited to instruction in Grades 6 to 11 and will be organized around a project incorporating the use of 9 stationary and 5 portable power tools. You will be given instruction that emphasizes hazard identification, safe use of tools and skill development. You will learn:

- basic power tool operations
- resources and practices that enhance teaching and learning
- how to design and assess student projects
- tool and equipment maintenance
- record keeping

The instructor for both courses is Cory Hildebrandt B.Ed./IA; Ed. Admin. Dip. Journeyman Carpenter. Cory has 40+ years of teaching and department head experience in IA / Ind. Ed / CTS. Cory began his shop

teaching in an Industrial arts unit shop. Then he converted it to meet the requirements of the newly introduced 'Multiple Activity' program. Moving to Grande Prairie he took over the Building Construction position. Cory was instrumental in initiating the GPRC CTS teacher summer sessions. He developed and instructed the EDCT 4000 and EDCT 210 courses for the GPRC for the past 3 years.

Lethbridge College

3000 College Drive South, Lethbridge, T1K 1L4

Phone: 800.572.0103 or 403.320.3200

Lethbridge College CTS Summer Workshops will be running June 20th - June 24th and will be half and full day workshops. Participants can register for these workshops by calling 403.320.3323.

Accommodations are available at Lethbridge College. A suite (queen bed) in the Kodiak House is \$88.94 per night and includes taxes. A two-bedroom suite (single beds) in Residence is \$72.27 and includes taxes. Participants can call the Residence Office at 403.329.7218 or email ursula.smolenski@lethbridgecollege.ca for accommodations.

Complimentary parking passes will be emailed to everyone who registers for these workshop(s). Please provide your email address at the time of registration.

Traditional Cake Decorating Course ID: C39-040-C01 11S2

June 20, 2011, Full-day workshop

Time: 8:30am – 3:30pm Limit: 12 participants

Location: Lethbridge College, AN1639

Registration Fee: \$80.95 + GST per person (Includes refreshments, gourmet luncheon in the Garden Court, and supplies)

Ever wonder how Buddy from the Cake Boss makes those perfect cakes? Come join Chef Heng, Lethbridge College pastry chef, as he instructs and guides you through the process of rolling fondant and covering a Styrofoam based cake. Participants will be shown a variety of piping techniques using royal icing, as well as lace frills and extensions. Come discover your talents!!!

Lethbridge College (continued)

AutoCAD/Graphic Design Course ID: D95-030-C01 11S2
June 21, 2011, Full-day workshop
Time: 8:30am – 3:30pm Limit: 20 participants
Location: Lethbridge College, TE1226
Registration: \$57.14 + GST per person (Includes refreshments, and gourmet luncheon in the Garden Court)

This workshop will introduce the fundamentals of AutoCAD. It will introduce AutoCAD to first time users, as well as those with limited experience. Topics covered in this workshop include the following:

- Viewing/Graphic interface
- Graphic creation & editing commands
- Layers
- Plotting
- 3D

Participants will walk away from this workshop with the knowledge and skills to create and print (plot) simple drawings.

Computer Program for Fashion Course ID: B29-006-C01 11S2
June 20, 2011, Half-day workshop
Time: 8:30am – 12:00pm Limit: 17 participants
Location: Lethbridge College, TE3217
Registration: \$33.33 + GST (Includes refreshments and snacks)

This workshop is a basic introduction to computerized pattern drafting and its application. Computerized pattern drafting systems are used to develop block patterns. We will look at the basic techniques needed for the PAD systems program and will practice working in the program on everything from simply altering a block to drafting new designs, grading them for different sizes and setting them as pattern pieces ready for printing.

Wood Finish Course ID: T92-083-C01 11S2
June 20, 2011, Full-day workshop
Time: 8:30am – 3:30pm Limit: 12 participants
Location: Lethbridge College, TR1835
Registration: \$80.95 + GST (Includes refreshments, gourmet luncheon in the Garden Court, and materials)

Participants will gain knowledge on types of and uses of a variety of wood finishes and techniques to apply them. Specifically, participants will identify and describe different types of finishes and where they are to be used, as well as prepare wood for a finish. Participants will also apply common finishes to a selection of wood surfaces.

Note: Participants are asked to bring safety glasses, steel-toed boots (or tip clips will be provided), tape measure, and a pencil. All other material will be supplied.

Pastries, Pastries....Wonderful Pastries
Course ID: C39-036-C01 11S2
June 21, 2011, Full-day workshop
Time: 8:30am – 3:30pm Limit: 12 participants
Location: Lethbridge College, AN1639
Registration: \$95.24 + GST (Includes refreshments, gourmet luncheon in the Garden Court, and ingredients)

Does your mouth water when you hear the words *cream puffs, chocolate éclairs, fruit flans, or cream horns*? Have you wondered how chefs make these mouth-watering pastries? If so, enroll in this all day workshop. Chef Heng, Lethbridge College pastry chef, will introduce you to different types of dough to make a wide variety of pastries. Participants will learn how to make the following:

Pie Dough – Single Crusted and Double Crusted Pies and Tarts
(You will make an apple pie and a cream pie.)

Pate a Choux – Cream Puffs and Chocolate Éclairs
(You will make a half dozen of each of these pastries.)

Puff Pastry – Turnovers, Pinwheels, and Cream Horns
(You will make approx. four of the different puff pastries.)

Phyllo Dough – Baklava (You will make eight pieces of Baklava.)

Short Dough – Fruit Flan and Fresh Fruit Tarts
(You will make half of a fruit flan and approx. a half dozen tarts.)

CTS Wood Joinery Course ID: T92-084-C01 11S2
June 21, 2011, Full-day workshop
Time: 8:30am – 3:30pm Limit: 12 participants
Location: Lethbridge College, TR1835
Registration: \$80.95 + GST (Includes refreshments, gourmet luncheon in the Garden Court, and materials)

This workshop will provide participants with the knowledge and skills to construct a variety of wood joints using different power tools. Specifically, participants will be able to identify the different types of wood joints and where they can be used, as well as construct a variety of wood joints using common building materials.

Note: Participants are asked to bring safety glasses, steel-toed boots (or toe clips will be provided), tape measure, and a pencil. All other material will be supplied.

Designing with Adobe Creative Suite
Course ID: B29-007-C01 11S2
June 21, 2011, Full-day workshop
Time: 8:30am – 3:30pm Limit: 20 participants
Location: Lethbridge College, TE3217
Registration: \$80.95 + GST (Includes refreshments and gourmet luncheon in the Garden Court)

In this full day workshop, graphic design principles will be explored by creating a corporate identity with the Adobe suite of programs. We will discuss colour theory, managing fonts, designing on a grid, layout design and creative effective typography. We will use Illustrator, Photoshop and InDesign to develop an entire brand with logo, business cards, letterhead and newsletter (both print and interactive).

Each of these tasks has unique design challenges that need to be considered. We will also talk about the language of graphic design and how to defend one's design choices as is required by regional Skills Canada competitions in graphic design.

Lethbridge College (continued)

Advanced Illustration / Rendering for Fashion and Costume Course ID: B29-008-C01 11S2
June 21, 2011, Half-day workshop Time: 8:30am – 12:00pm
 Location: Lethbridge College, AN1529
 Registration: \$33.33 + GST (Includes refreshments, snacks and supplies)

In this workshop, we will explore the process of illustration/rendering the human form in clothing. Participants will compare the similarities and differences in fashion and costume illustration and learn to illustrate in both styles. Basic as well as advanced techniques in illustration will be explored. Participants will be given instruction in creating poses and will also be supplied with a variety of poses for their own use in the classroom. Topics covered in this workshop correspond with the CTS modules - FAS 2000 and FAS2180.

Costume Design and Construction Course ID: B29-009-C01 11S2
June 21, 2011, Half-day workshop Time: 1:00pm – 4:30pm
 Location: Lethbridge College, AN1530
 Registration: \$33.33 + GST (Includes refreshments, snacks and supplies)

In this workshop, we will explore the process of costume design and construction. The participant will learn the basics of costume design and illustration/rendering create sketches of a design and go through the process of actualizing the design through the construction process. As well, the participant will gain an overview of significant historical points in costume history to help in the design and construction process. Topics covered in this workshop correspond with the CTS module – FAS 2180.

Surface Design and Embellishment for Fashion

Course ID: B29-003-C01 11S2
June 22, 2011, Full-day workshop
 Time: 8:30am – 3:30 pm Limit: 12 participants
 Location: Lethbridge College, AN1529
 Registration: \$80.95 + GST (Includes refreshments, gourmet luncheon in the Garden Court and supplies)

Explore creativity as you develop technical skill and discover fashion and fiber! Topics include denim distressing, embellishment and a million things you can make with an old pair of jeans! Hand-felted wool, photo transfer and silk-screening will also be covered. Topics covered in this workshop correspond to the CTS modules – FAS 1050, FAS 1060, FAS 1190, FAS 2190, FAS, 3120, and FAS 3190.

Note: Participants should bring a pair of jeans and a t-shirt to be embellished.

CTS Welding Workshop Course ID: T92-079-C01 11S2
June 22, 2011, Full-day workshop
 Time: 8:30am – 3:30pm Limit: 24 participants
 Location: Lethbridge College, TR1926
 Registration: \$61.90 + GST (Includes refreshments, gourmet luncheon in the Garden Court and materials)

This workshop is designed to provide technical assistance to teachers who would like to explore practical welding concepts in detail to enhance the training they provide for their students. Arc welding process training will focus on GMAW (Gas Metal Arc Welding),

Welding), FCAW (Flux Cored Arc Welding), and SMAW (Shielded Metal Arc Welding). Set-up and welding demonstrations will be provided in a variety of positions and joint configurations using these processes, and participants will have time to apply the concepts they have seen through practice. Oxy-acetylene cutting concepts will also be demonstrated and practiced as part of the workshop.

Note: it is mandatory that participants come prepared with the following PPE: safety glasses, steel-toe work boots, gauntlet gloves, a welding hat or beanie, and either 100% cotton coveralls (full-length arms and legs) or other (full length) fire resistant clothing. Welding helmets and goggles are available to borrow, or you may bring your own if desired.

Adapting Patterns that Kids Design to Fit Their Bodies

Course ID: B29-010-C01 11S2
June 22, 2011, Half-day workshop Time: 8:30am – 12:30pm
 Location: Lethbridge College, AN1522
 Registration: \$33.33 + GST (Includes refreshments, snacks and supplies)

In this workshop, we will explore the adaptation of domestic patterns for individual designs. The participant will take a basic domestic pattern that is close to the individual design and go through the process of adjusting necklines, sleeve types, skirt widths and styles and so on until the pattern reflects the individual design. As well, the participant will go through the process of grading a pattern (adding and subtracting measurements) so that the adjusted pattern fits their individual measurements. Topics covered in this workshop correspond to the CTS module – FAS 2050.

Pattern Drafting Course ID: B29-011-C01 11S2
June 22, 2011 Half-day workshop Time: 1:00pm – 4:30pm
 Location: Lethbridge College, AN1530
 Registration: \$33.33 + GST (Includes refreshments, snacks and supplies)

In this workshop, we will explore the basics of flat-pattern drafting. We will also show techniques for advanced flat-pattern drafting for those who have already learned the basics. The participants will learn how to create patterns from blocks in industry size 10, creating designs and developing those designs in pattern form. The process of creating different skirts, pants, bodices, collars and sleeves will be addressed, and the participant will gain practical knowledge in these areas. Topics covered in this workshop correspond to the CTS module FAS 2060.

Digital Embroidery Course ID: B29-012-C01 11S2
June 23, 2011, Half-day workshop Time: 8:30am – 12:00pm
 Location: Lethbridge College, AN1529
 Registration: \$42.86 + GST (Includes refreshments, snacks, and supplies)

Explore fashionable project ideas through digital embroidery. This course will cover the basics of digital embroidery using templates and original designs; how to hook up a computer to your machine will also be covered. Topics covered in this workshop correspond to the CTS modules FAAS 1170 and FAS 2170.

Lethbridge College (continued)

Kitchen Basics Course ID: C39-043-C01 11S2
June 23, 2011, Half-day workshop Time: 8:30am – 12:00pm
 Limit: 12 participants
 Location: Lethbridge College, AN1612
 Registration: \$33.33 + GST (Includes refreshments, snacks and supplies)

This workshop will cover kitchen orientation and introduction, food safety, tools and equipment, and kitchen fundamentals. Participants will be exposed to the latest ILM (Individual Learning Modules) developed by Alberta Apprenticeship, Lethbridge College, and SAIT.

Technical Fashion Drawing Course ID: B29-013-C01 11S2
June 23, 2011, Half-day workshop Time: 1:00pm – 4:30pm
 Location: Lethbridge College, TE3217
 Registration: \$33.33 + GST (Includes refreshments, snacks and supplies)

Adobe Illustrator software is widely used in the design and apparel industry. The ability to create effective technical drawings is not an invaluable skill in the apparel industry, but an effective design and communication tool. Adobe Illustrator will be introduced through the context of drawing flats (technical fashion drawings). Topics covered in this workshop are covered in the CTS modules FAS 2030 and FAS3020.

Meat, Fish and Poultry Portioning Course ID: C39-044-C01 11S2
June 23, 2011, Half-day workshop Time: 1:00 – 4:30pm
 Limit: 12 participants
 Location: Lethbridge College, AN1615
 Registration: \$19.05 + GST (Includes refreshments, and snacks)

This workshop will include a practical session on portioning. Participants will learn about meat, fish, and poultry portioning. They will also learn how to break down a whole chicken into an eight piece European sauté cut, a nine piece frying and roasting cut, as well as filleting round fish.

Basic Fashion Illustration and Fabric Rendering
 Course ID: B29-004-C01 11S2
June 24, 2011, Full-day workshop Time: 8:30am – 3:30pm
 Location: Lethbridge College, AN1529
 Registration: \$57.14 +GST (Includes refreshments, gourmet luncheon at the Garden Court and supplies)

Everyone can draw a fashion figure! The course will cover easy tips and techniques to learn and teach fashion illustration. Topics include developing croquis, understanding clothing, designing through drawing, creating movement, style and expression, as well as rendering fabric. Topics covered in this workshop correspond to the CTS modules FAS 1000, FAS 2000, and FAS 3000.

Cosmetology Course ID: B29-014-C01 11S2
June 24, 2011, Half day workshop Time: 8:30am – 12: 00pm
 Location: Lethbridge College, AN1522
 Registration: \$33.33 +GST (Includes refreshments and snacks)

In this workshop, participants will explore a variety of areas with cosmetology. Participants will learn basic skin care, theatrical make-up techniques, hair graphics, and basic haircutting skills. This workshop will be team taught; therefore, one instructor will take participants through theatrical make-up and skin care while the other instructor will take participants through hair graphics and haircutting. By the end of the workshop, participants will have been exposed to a variety of topics in cosmetology. Topics covered in this workshop correspond to the CTS modules COS 1020, COS 2040, COS 1060, and COS 1080.

Medicine Hat College

299 College Drive SE, Medicine Hat, T1A 3Y6

Digital Photography: Fundamentals
Monday, June 20, 2011 9:00am to 4:00pm
 Registration: \$159.00 Max: 15 participants

Why is it that some of the photographs you take just seem “better” than others? You will learn compositional theory and how to apply those theories to your photographs. Explore concepts that will give strength and interest to your photographs such as symmetry and asymmetry, depth of field, understanding light and more. Class size is limited to 15 participants.

Greek Cooking
Monday, June 20, 2011 1:00pm – 4:30pm
 Registration Fee: \$59.00 Max: 12 participants

Do you love Greek food? Who doesn't? Come out and learn how to prepare authentic and tasty Greek dishes with Chef Nevin Berning, Owner and Executive Chef of The Cracked Peppercorn Steak Lounge. Chef Nevin will teach you how to prepare favorites like Souvlaki, Spanokopita, Tzatziki Sauce and more. See how easy and fun preparing Greek Food is. These dishes are suitable for both party appetizers or as entrees the whole family will love, including the kids!

Cake Decorating
Tuesday, June 21, 2011 9:00am to 12:00pm
 Registration Fee: \$59.00 Max: 8 participants

If you wish you knew just a little bit about decorating a home baked cake for a special event or occasion, then this course is designed for you! Make your own icing and learn to transfer a pattern over to a cake! This hands-on, practical approach will teach you tricks and tips only learned through years of trial and error. The best part: take home a decorated cake.

Participants are required to bring a 1 layer 8" round cake to class and will be supplied with the Level 1 Wilton Cake Decorating Kit. The kit can be purchased after class for a \$30.00 additional fee.

Medicine Hat College (continued)

Creative Ironwork

Tuesday & Wednesday - June 21 & 22 9:00am to 4:00pm
 Registration: \$195.00 all supplies included Max: 12 participants

Whether you're a beginner or a backyard pro, learn about safety and the basic theory of MIG welding and much more in this creative ironwork class. Learn to make curls, swirls, circles and squares, and bend and cut with a torch. Fine tune your MIG welding skills while you make a project or two! Create your own unique pieces that are practical or decorative for your garden or home. Bring your ideas!! A variety of steel is provided but you may bring material if you so choose. A long sleeved denim shirt and leather boots are required – gloves and safety glasses are provided. Students are encouraged to bring a bag lunch for our "brainstorm lunch breaks!"

Photoshop Level 1 & 2

Wednesday, June 22, 2011 9:00am to 4:00pm
 Registration Fee: \$195.00 Max: 12 participants

Photoshop Elements 1

Energetically Paced. Learn the fundamental skills necessary to capture, enhance and edit images in Photoshop Elements. Adobe's low-cost high-performance editing software is designed specifically for home use. Topics covered include (1) importing images, (2) file size & formats, (3) image size & orientation, (4) selection techniques, layers, retouching, painting, artistic filters. Students are encouraged to bring their own photographs to work on. Prerequisite: Basics of Personal Computers or equivalent knowledge and experience.

Photoshop Elements 2

Take your Photoshop skills to the next level! Learn about layers and masks in this workshop. You can now add text and special effects to your images, while maintaining the integrity of an original photograph. Combine images or remove elements to enhance your creativity.

Basic Home Electrical

Thursday, June 23, 2011 9:00am to 4:00pm
 Registration Fee: \$129.00 Max: 10 participants

Gain hands on experience to learn simple electrical wiring and be able to tackle home electrical projects! Receive information on how to obtain a homeowner's electrical permit. Learn basic electrical terms, important code rules and the common mistakes that happen far too often. These common mistakes and blunders can be a safety hazard, and can ultimately cause electrical fires. Get the know how first to stay safe and save yourself time and money.

NAIT - Northern Alberta Institute of Technology

11762 - 106 Street, Edmonton, T5G 2R1

For registration in these Edmonton based courses, contact NAIT at 780.471.6248 or 1.877.333.6248 or online at www.nait.ca/continuingeducation

CTS10 - CTS Summer Institute - Construction Fabrication

July 4 to 8, 2011 (39 hours) Credits: 3.0
 Mon to Thurs, 8:00am - 4:30pm and Fri, 8:00am - 4:00pm
 Fee: \$500 + \$6 NAITSA fee

NOTE: Course tuition has been reduced from \$625 to \$500 thanks to a grant from Alberta Education to support implementation of the revised Career and Technology Services curriculum.

The Construction Fabrication summer course is designed for CTS teachers and will address issues related to safety in a construction fabrication shop. Along with basic project construction, the course will look at other aspects of the teaching profession. These include the instructor working with special needs students and aspects of Project Management related to the education environment. Over 20 hours are spent hands-on in the NAIT workshops constructing a variety of projects suitable to take back to the classroom. Participants will be evaluated on the quality of their completed shop projects and a project management charter. There will also be some quizzes and assignments throughout the week.

Prerequisite: Bachelor of Education Degree

CTS12 - CTS Summer Institute Construction Fabrication II

July 11 to 15, 2011 (35 hours)
 Mon to Thurs, 8:00am - 4:30 pm and Fri, 8:00 am - 1:00 pm
 Fee: \$500 (no NAITSA fee)

NOTE: Course tuition has been reduced from \$625 to \$500 thanks to a grant from Alberta Education to support implementation of the revised Career and Technology Services curriculum.

This Construction Fabrication summer course is designed for CTS teachers at the Junior High or High School level and will provide the information required to address the specific areas identified in the CTS modules CON2130 through CON2180. The subject matter covered includes box construction, finishing & refinishing, frame & panel, web & face frame, and door & drawer construction. Most of this course will be spent in the shop building projects designed to be taken back to the classroom. Evaluation will be based on the completed projects and class assignments.

Prerequisite: Bachelor of Education Degree & CTS10.

NAIT (continued)

CTS Summer Institute Photography/Video

July 4 to 8, 2011 (35 hours)

Mon to Fri, 8:30am - 4:30pm

Fee: \$500

NOTE: Course tuition has been reduced from \$625 to \$500 thanks to a grant from Alberta Education to support implementation of the revised Career and Technology Services curriculum.

The Photographic Component of this course (3 days) will include:

- an overview of digital photography and digital SLR operation (intermediate level), including:
 - a thorough understanding of exposure mode choices
 - technical and aesthetic use of depth of field
 - technical and aesthetic control of motion (stopping action and intentional blur)
 - use of different lenses, for practical and aesthetic reasons
- image processing/workflow issues related to digital imaging
- an emphasis on lighting for digital photography, including elements of natural light
- use of portable/strobist flash
- studio lighting involving multiple light sources
- lighting control applicable to portrait and/or still life situations
- photojournalism / event coverage appropriate to school situations
- compositional information and theme/assignment ideas suitable for classroom use.

The Video component of this course (2 days) will include video production in Final Cut Pro covering scripting, writing and movie making.

Prerequisite: Bachelor of Education Degree. (Students must supply their own digital SLR camera and know its basic operation.)

CTS20 Summer Institute Foods

July 4 to 8, 2011 (39 hours) Credits: 3

Mon. to Thurs. 8:00am - 4:30pm and Fri. 8:00am – 1:00pm

Fee: \$400 plus \$125 plus GST on material fee

Total cost: \$525 plus GST on material fee

The Food Studies summer course is designed for CTS teachers looking to expand their knowledge on curriculum related to teaching Food Studies in a safe laboratory. Along with food preparation content, the course will cover the essentials of procurement, working with special needs students in a food lab, nutrition, sanitation, lab safety and aspects of managing food preparation projects in an educational environment.

This hands-on class is delivered in the NAIT state-of-the-art kitchens and covers the preparation of hot foods, cold foods and desserts suitable for junior high or senior high school classroom projects. Participants will be evaluated on the quality of their completed menu items and quizzes and assignments scheduled throughout the week. Footwear and clothing appropriate for a food lab setting must be worn.

Prerequisite: Bachelor of Education Degree or equivalent

CTS22 CTS Summer Institute - Foods II

July 11 to 15, 2011 (39 hours)

Mon. to Thurs. 8:00am - 4:30pm and Fri. 8:00am - 1:00pm

Fee: \$400 plus \$125 plus GST material fee

Total cost: \$525 plus GST on material fee

This Intermediate level of Summer Institute for foods teachers will cover some of the curriculum elements of baking, pastries and cold foods as well as revisiting nutrition, sanitation, food lab safety and teamwork in preparing class projects. Teachers will be making Austrian (Croatian) strudel, choux paste and éclairs, cakes, French bread and an assortment of canapés in the NAIT state-of-the-art kitchens. The class will also touch on sandwich ideas, chocolate work, cake decorating, glazes and various places to shop for food in the Edmonton area. Footwear and clothing appropriate for a food lab setting must be worn.

Prerequisite: Bachelor of Education Degree or equivalent; CTS20 or similar level of experience.

Red Deer College

100 College Boulevard, Red Deer AB T4N 5H5

Registration Information

- ★ If you have not previously attended any of these courses, you will need to first apply to RDC. There is a \$70 application fee. The required form can be found at www.rdc.ab.ca under the *Apply Now* button.
- ★ Once you have an RDC ID number, you can register for the course online (<https://portal.rdc.ab.ca/cp/home/loginf>) or by contacting the Registrar's Office at (403) 342-3400.
- ★ The tuition and fees total \$474.50 per course.
- ★ Students also need to purchase the required ILMs (Individual Learning Modules) for the course. You may already have access to these through your school.

These courses transfer to U of A as EDCT 3xx (3). Credit will be granted for post Bachelor of Education students only. Credit in this course can also be used towards a Diploma of the Faculty of Education in the Department of Secondary Education at the U of A.

EDCT430: AST Level 1 CTS Teacher Education

Distance Delivery, Pre-Study: July 8 → August 7, 2011

On Campus: August 8 – 12, 2011

Mon. to Fri. 8:30 – 15:30 (30 hours/week) Classroom 827

Max: 12 participants

This course is designed to meet the needs of teachers who do not have a Trades credential (journey person) and who would like to build on skills necessary to teach in a Career and Technology Studies (CTS) automotive service setting. The course addresses specific CTS content using Apprenticeship Individual Learning Modules (ILMs). The focus is on developing applicable automotive service skills, developing knowledge and skills re safety guidelines and regulations, and the development and assessment of projects suitable for shop use. This is a *blended learning* course; it is delivered partly through distance delivery and partly on campus. You will need to do approximately 20-30 hours of pre-study to

complete the required Individual Learning Modules (ILMs) prior to the on-campus portion of the course.

This course transfers to U of A as EDCT 3xx (3). Credit will be granted for post Bachelor of Education students only. Credit in this course can also be used towards a Diploma of the Faculty of Education in the Department of Secondary Education at the U of A.

EDCT420: Carpentry Level 1 CTS Teacher Education

Distance Delivery, Pre-Study: July 8 → August 7, 2011

On Campus: August 8 → August 12, 2011

Mon. to Fri. 8:30 – 15:30 (30 hours/week) Max: 12 participants

This course is designed to meet the needs of teachers who do not have a Trades credential (journey person) and who would like to build on skills necessary to teach in a Career and Technology Studies (CTS) carpentry shop setting. The course addresses specific CTS content using Apprenticeship Individual Learning modules (ILMs). The focus is on developing applicable carpentry skills, developing knowledge and skills re safety guidelines and regulations, and the development and assessment of projects suitable for shop use. This course is a *blended learning* course; it is delivered partly through distance delivery and partly on campus. You will need to do approximately 20-30 hours of pre-study to complete the required Individual Learning Modules (ILMs) prior to the on-campus portion of the course.

This course transfers to U of A as EDCT 3xx (3). Credit will be granted for post Bachelor of Education students only. Credit in this course can also be used towards a Diploma of the Faculty of Education in the Department of Secondary Education at the U of A.

EDCT421: Carpentry Level 2 CTS Teacher Education

Distance Delivery, Pre-Study: July 8 → August 13, 2011

On Campus: August 15 – 19, 2011

Mon. to Fri. 8:30 – 15:30 (30 hours/week) Max: 12 participants

This course builds on the skills and knowledge developed in Carpentry Level 1. This course is designed to meet the needs of teachers who do not have a Trades credential (journey person) and who would like to build on skills necessary to teach in a Career and Technology Studies (CTS) carpentry shop setting. The course addresses specific CTS content using Apprenticeship Individual Learning modules (ILMs). The focus is on developing applicable carpentry skills, developing knowledge and skills re safety guidelines and regulations, and the development and assessment of projects suitable for shop use. This is a *blended learning* course; it is delivered partly through distance delivery and partly on campus. You will need to do approximately 20-30 hours of pre-study to complete the required Individual Learning Modules (ILMs) prior to the on-campus portion of the course.

Prerequisite: EDCT420

This course transfers to U of A as EDCT 3xx (3). Credit will be granted for post Bachelor of Education students only. Credit in this course can also be used towards a Diploma of the Faculty of Education in the Department of Secondary Education at the U of A.

EDCT 410: Welding Level 1 CTS Teacher Education

Distance Delivery, Pre-Study: July 8 → August 7, 2011

On Campus: August 8 – 12, 2011

Mon. to Fri. 8:30 - 15:30 (30 hours/week) Max: 12 participants

This course is designed to meet the needs of teachers who do not have a Trades credential (journey person) and who would like to build on skills necessary to teach in a Career and Technology Studies (CTS) welding shop setting. The course addresses specific CTS content using Apprenticeship Individual Learning modules (ILMs). The focus is on developing applicable welding skills, developing knowledge and skills re safety guidelines and regulations, and the development and assessment of projects suitable for shop use. This is a *blended learning* course; it is delivered partly through distance delivery and partly on campus. You will need to do approximately 20-30 hours of pre-study to complete the required Individual Learning Modules (ILMs) prior to the on-campus portion of the course.

This course transfers to U of A as EDCT 3xx (3). Credit will be granted for post Bachelor of Education students only. Credit in this course can also be used towards a Diploma of the Faculty of Education in the Department of Secondary Education at the U of A.

EDCT 411: Welding Level 2 CTS Teacher Education

Distance Delivery, Pre-Study: July 8 → August 13, 2011

On Campus: August 15 – 19, 2011

Mon. to Fri. 8:30 – 15:30 (30 hours/week) Max: 12 participants

This course builds on the skills and knowledge developed in Welding Level 1. This course is designed to meet the needs of who do not have a Trades credential (journey person) and who would like to build on skills necessary to teach in a Career and Technology Studies (CTS) welding shop setting. The course addresses specific CTS content using Apprenticeship Individual Learning modules (ILMs). The focus is on developing applicable welding skills, developing knowledge and skills re safety guidelines and regulations, and the development and assessment of projects suitable for shop use. This is a *blended learning* course; it is delivered partly through distance delivery and partly on campus. You will need to do approximately 20-30 hours of pre-study to complete the required Individual Learning Modules (ILMs) prior to the on-campus portion of the course. *Pre-requisite EDCT 410*

This course transfers to U of A as EDCT 3xx (3). Credit will be granted for post Bachelor of Education students only. Credit in this course can also be used towards a Diploma of the Faculty of Education in the Department of Secondary Education at the U of A.

SAIT - Southern Alberta Institute of Technology

1301 16th Ave, Calgary, AB T2M 0L4 877.284.7248

Register by calling SAIT at 403-284-SAIT (7248)

CISCO IT Essentials Instructor Training

June 20-25, 2011

Fee: \$325 plus GST

The IT Essentials: PC Hardware and Software curriculum provides an introduction to the computer hardware and software skills needed to help meet the growing demand for entry-level information and communication technology (ICT) professionals. The curriculum covers the fundamentals of PC technology, networking, and security, and also provides an introduction to advanced concepts. Students who complete this course will be able to describe the internal components of a

computer, assemble a computer system, install an operating system, and troubleshoot using system tools and diagnostic software. Hands-on labs and Virtual Laptop and Virtual Desktop learning tools help students develop critical thinking and complex problem-solving skills. Cisco Packet Tracer simulation-based learning activities promote the exploration of network and networking security concepts and allow students to experiment with network behavior.

Discovery 1 Instructor Training

June 20-25, 2011

Fee: \$325 plus GST

The Cisco CCNA Discovery curriculum provides general networking theory, practical experience, and opportunities for career exploration and soft-skills development. The curriculum teaches networking based on application, covering networking concepts within the context of network environments students may encounter in their daily lives – from small office and home office (SOHO) networking to more complex enterprise and theoretical networking models later in the curriculum.

CCNA Discovery is designed for students with basic PC skills and foundational math and problem solving skills. The curriculum offers an engaging learning experience for more visual and kinetic learners. Many interactive activities are embedded in all of the courses to break up the text and help reinforce student comprehension. In addition, a large number of labs encourage additional hands-on practice.

University of Alberta

114 Street & 89 Ave, Edmonton, AB T6G 2M7 780.492.3111

2011 Spring Sessions

EDCT 400: Intro Carpentry Project

Class: 72486, Lec A1; Class: 72487, Lab D1, Selecting Lec A1 will automatically register the student in Lab D1.

Class taught Saturdays: May 7 - June 18. No class on May 21.
Class will be held in ED NB 131 and ED NB 129. Pre-session study required, approx 8 hours.

EDCT 400: Food Prep, Demo and Presentation

Class: 72484, Lec A2; Class: 72485, Lab D2, Selecting Lec A2 will automatically register the student in Lab D2.

Class taught Saturdays: May 7 - June 18. No class on May 21.
Class will be held in ED NB 129 and ED NB 127. Pre-session study required, approx 8 hours.

2011 Summer Sessions

EDCT 400: Junior High Human Sciences Multi-Activity I

Class: 81772. LEC B1,
A three week class commencing week of July 4.
(Mon through to Fri). Class taught in ED NB 129 and ED NB 127.

EDCT 400: Junior High Multi-Activity Organization and Content I (for TMT cluster).

Class: 81771. LEC B2,
A three week class commencing week of July 4.
Class taught in ED NB 131 and ED NB 129.

The NEW CTS Clusters

Business, Administration, Finance & Information Technology (BIT)

BIT Cluster Occupational Areas

- Computing Science (CSE)
- Enterprise and Innovation (ENT)
- Financial Management (FIN)
- Information Processing (INF)
- Management and Marketing (MAM)
- Networking (NET)

Trades, Manufacturing & Transportation (TMT)

TMT Cluster Occupational Areas

- Construction (CON)
 - Carpentry Apprenticeship (CRA) - Carpenter Trade
- Electro-Technologies (ELT)
- Fabrication (FAB)
 - Welding Apprenticeship (WDA) - Welder Trade
- Logistics (LOG)
- Mechanics (MEC)
 - Auto Service Technician Apprenticeship (ASA)
 - Automotive Service Technician Trade

Health, Recreation & Human Services (HRH)

HRH Cluster Occupational Areas

- Community Care Services (CSS)
- Cosmetology (COS)
 - Hairstylist Apprenticeship (HAS) - Hairstylist Trade
- Esthetics (EST)
- Foods (FOD)
 - Cook Apprenticeship - Cook Trade
- Health Care Services (HCS)
- Human and Social Services (HSS)
- Legal Studies (LGS)
- Recreation Leadership (REC)
- Tourism (TOU)

Media, Design & Communications Arts (MDC)

MDC Cluster Occupational Areas

- Communication Technology (COM)
- Design Studies (DES)
- Fashion Studies (FAS)

Natural Resources (NAT)

NAT Cluster Occupational Areas

- Agriculture (AGR)
- Primary Resources (PRS)
- Environmental Stewardship (ENS)
- Forestry (FOR)
- Wildlife (WLD)

Safety Plan

- Off Campus Education

Post Secondary Institutions

Summer Courses 2011

related to

Career and Technology Studies

CTS Cluster Occupational Areas

- Business, Administration, Finance & Information Technology (BIT)
- Trades, Manufacturing & Transportation (TMT)
- Media, Design & Communications Arts (MDC)
- Natural Resources (NAT)
- Health, Recreation & Human Services (HRH)

*Summer courses offered to enhance instruction in CTS clusters

Post Secondary Institution	Location	Website	Cluster
Bow Valley College	Calgary	http://bowvalleycollege.ca	BIT, TMT, HRH, MDC, NAT
Canadian University College	Lacombe	http://cauc.ca/	BIT, HRH, NAT
Concordia University College of Alberta	Edmonton	Special Sessions – Spring and Summer: http://specialsessions.concordia.ab.ca/	BIT, HRH, MDC, NAT
DeVry Institute of Technology	Calgary	http://www.devry.edu/calgary/	BIT, HRH, MDC
Grande Prairie Regional College	Grande Prairie	http://www.gprc.ab.ca/programs/	BIT, TMT, HRH, MDC, NAT
Grant MacEwan College	Edmonton	http://www.gmcc.ab.ca/web/Parttime/home/index.cfm Continuing Education Guide Spring/Summer 2011 http://issuu.com/macewan.webmaster/docs/macewan_ss2011_c_onedguide_final_web	BIT, TMT, HRH, MDC
Keyano College	Fort McMurray	http://www.keyano.ca/Courses/ or http://www.keyano.ca/Media/Collections/Calendars/Keyano.Calendar.ContinuingEducation.pdf	BIT, TMT, HRH, MDC, NAT
King's University College	Edmonton	Spring Sessions: http://www.kingsu.org/	BIT, HRH, MDC, NAT
Lakeland College	Vermillion Lloydminster	http://www.lakelandcollege.ca/continuing_ed/	BIT, TMT, HRH, MDC, NAT

Lethbridge College	Lethbridge	http://www.lethbridgecollege.ab.ca/index.php?option=com_content&task=view&id=71&Itemid=302	BIT, TMT, HRH, NAT
Medicine Hat College	Medicine Hat	http://mhc.ab.ca/en/ContinuingStudies.aspx or Summer Calendar: http://cstudies.mhc.ab.ca/default.aspx	BIT, MDC, NAT, Safety
Mount Royal College	Calgary	http://conted.mtroyal.ca/	BIT, HRH, MDC, NAT
NAIT	Edmonton	http://www.nait.ca/8711.htm Distance Learning: http://www.nait.ca/29732.htm	BIT, TMT, HRH, MDC, NAT
NorQuest College	Edmonton	http://www.norquest.ab.ca/coned/index.htm	BIT, TMT, HRH, MDC
Olds College	Olds Region	http://www.oldscollege.ca/programs/ContinuingEducation/index.htm	BIT, TMT, HRH, MDC, NAT
Portage College	Lac La Biche	http://www.portagecollege.ca/ Distance Education: http://www.portagecollege.ca/Programs/Distance_Education.htm Continuing Education: http://www.portagecollege.ca/Programs/Continuing_Education_-_CiTi.htm	BIT, TMT, HRH
Red Deer College	Red Deer	http://www.rdc.ab.ca Continuing Education: http://www.rdc.ab.ca/continuing_education/Pages/default.aspx	BIT, TMT, HRH, MDC, NAT
St. Mary's University College	Calgary	Spring Sessions: http://www.stmu.ab.ca/	BIT, NAT, HRH, MDC
SAIT Polytechnic	Calgary	http://www.sait.ab.ca/pages/cometosait/continuingeducation/	BIT, TMT, HRH, MDC, NAT
University of Alberta, Faculty of Extension	Edmonton	http://www.extension.ualberta.ca/faculty/index.aspx	BIT, TMT, HRH, MDC, NAT
University of Calgary	Calgary	http://conted.ucalgary.ca/	BIT, TMT, HRH, MDC, NAT

Online Learning / Distance Learning			
Athabasca University	Online/Distance	http://www2.athabascau.ca/programs/	BIT, TMT, HRH, MDC, NAT
eCampusAlberta.ca	Online Learning	http://www.ecampusalberta.ca/	BIT, TMT, HRH, MDC, NAT

If you have questions or know of other courses, please contact Donna McRae at dmcrae@carepd.ab.ca

CTS SUMMER LEARNING OPPORTUNITY SUPPORT 2011

Building Capacity in Alberta Schools and Classrooms

This subsidy is being offered through a grant from Alberta Education to support implementation of the revised CTS curriculum.

High school teachers can be reimbursed for attendance costs for CTS sessions related to subject-specific and skills oriented activities for Trades, Manufacturing and Transportation (TMT), Business, Administration, Finance and Information Technology (BIT), Health, Recreation & Human Services (HRH), Natural Resources (NAT), and Media, Design & Communication Arts (MDC) clusters/courses. Sessions/courses should be provided by approved Alberta post-secondary institutions, however, other PD providers may be considered. Sponsored, non-sponsored and any other CTS related courses qualify for subsidy funding.

PART A: Application

*Please complete ALL information and submit prior to June 24, 2011.

NAME: _____ DATE: _____

ADDRESS: _____ POSTAL CODE: _____

PHONE: _____ EMAIL: _____

DISTRICT: _____ SCHOOL: _____

TEACHING ASSIGNMENT OR CTS CLUSTER (If not currently teaching CTS, specify reason for subsidy request):

COURSE (Session description or course outline must be provided):

POST SECONDARY INSTITUTION (Alberta approved and other PD providers may be considered; please specify):

DATE OF COURSE _____ AMOUNT APPLIED FOR: \$ _____ (Max \$400 per teacher per year)

YOUR SCHOOL ADMINISTRATOR'S:

Name: _____ Phone: _____

Signature: _____

Ensure your email information is correct as applicants receiving approval will be advised via email. Please retain a copy for your records and submit PART A for approval to:

Donna McRae, Executive Director
Central Alberta Regional Consortium, 4210 – 59 Street, Red Deer, AB T4N 2M9
Phone: 403-348-8194 Fax: 403-348-8195 Email: dmcrae@carcpd.ab.ca

OFFICE USE ONLY ↓ -----

Date Approved

Executive Director's Signature

CTS SUMMER LEARNING OPPORTUNITY SUPPORT 2011

Building Capacity in Alberta Schools and Classrooms

This subsidy is being offered through a grant from Alberta Education to support implementation of the revised CTS curriculum.

PART B: Expense Submission

Submission Deadline: October 31, 2011

Please submit this form following course completion.

NAME: _____ DATE: _____
 ADDRESS: _____ POSTAL CODE: _____
 PHONE: _____ EMAIL: _____
 DISTRICT: _____ SCHOOL: _____

Name of Course: _____ Date of Course _____

How will this course impact your classroom or school CTS Program? (short answer)

Expense Summary (*Receipts Required)

Registration Fee _____
 Accommodation _____
 Meals _____
 Other (please specify) _____

Please submit to:
 Donna McRae, Executive Director
 Central Alberta Regional Consortium,
 4210 – 59 St, Red Deer, AB T4N 2M9
 Phone: 403-348-8194
 Fax: 403-348-8195
 Email: dmcr@carcpd.ab.ca

TOTAL CLAIM: _____ (Max \$400/year)

 Date Submitted

 Participant Signature

*** Please provide a copy of all course-related expense receipts and a copy of your “Part A” APPLICATION.**

OFFICE USE ONLY ↓ -----

 Date Received

 Amount Approved

 Executive Director’s Signature