



CANADIAN SCHOOL  
**Counsellor**<sup>®</sup>  
MAGAZINE

## THE SKILLS ISSUE

Skills Canada Competitions  
Give Students A Head Start  
Toward Success

## QUESTION DE COMPÉTENCES

Les compétitions de  
Skills/Compétences  
Canada donnent un  
avantage aux étudiants  
pour le succès

- Canadian-Made Films  
Inspiring Cultural Pride
- Regina's Transition  
to Trades Program
- Say No to %@&#\$  
Swearing!

**What it Takes  
to Become...  
an Engineer**

Spread the  
**word**  
not the  
**disease**

### Did you know?

- Teachers have been cited as one of the top four sources for trusted information on sex and sexual health.

### Did you know?

- These two websites offer teens, adults, parents, teachers and health professionals with the latest credible information and resources about contraception, STIs and safer sex.

### Did you know?

- A suite of print, audio-visual and online resources are available on both websites. These include:
  - Brochures and posters
  - Videos and games
  - Education tools

They come to you. You can come to us.



[hpvinfo.ca](http://hpvinfo.ca)

 [Sexualityandu.ca](http://Sexualityandu.ca)

Administered by

THE SOCIETY OF  
OBSTETRICIANS AND  
GYNAECOLOGISTS  
OF CANADA



LA SOCIÉTÉ DES  
OBSTÉTRICIENS ET  
GYNÉCOLOGUES  
DU CANADA



# I want to see the world.

*In one exciting place.*



## Study in Halifax, on the stunning east coast of Canada.

Saint Mary's is a modern, urban university in Halifax, Nova Scotia, just a short flight from New York or Toronto. A truly international school, with 1,000 of its 6,500 full-time students from outside Canada, Saint Mary's is ranked among the top 10 primarily undergraduate universities in Canada, and offers:

- More than 40 majors in Arts, Business and Science
- Affordable tuition, with over 40% of new students receiving merit scholarships
- Opportunities for co-op education and studies abroad
- One-on-one advising with professors so you're always on the right track

Halifax is a cosmopolitan port city with an explosive music scene, over 450 great restaurants, and lively nightlife. Yet, incredibly, the scenic Nova Scotia countryside is only a twenty-minute drive away.

To learn more about studying at Saint Mary's University, visit [smu.ca](http://smu.ca) today. See inside for more details on the Saint Mary's University experience.



One University. One World. Yours.

\*Photo: Nova Scotia Tourism and Culture

Halifax, Nova Scotia, Canada • [www.smu.ca](http://www.smu.ca)

# Thinking About Their Future? Think Technology!

**By 2016 Canada will require over 90,000 new technology professionals**  
in sectors ranging from renewable resources to transportation to  
infrastructure to logistics and research.



**Encourage your students to consider one of Canada's 221 nationally accredited  
technology programs at colleges, polytechnics and technical institutes.  
Help them explore the diversity and benefits of careers in technology!  
For career information visit:**

**[www.techfutures.cctt.ca](http://www.techfutures.cctt.ca)**





301 Weston Street  
Suite 218  
Winnipeg, MB, CA  
R3E 3H4  
Ph: 888.634.5556  
Fax: 888.318.0005  
Email: production@marketzonepro.com  
www.marketzonepro.com

**Publisher:** Trevor Shirtliff  
**Editor:** Barbara Chabai  
**Art Direction & Design:** Leigh McKenzie  
**Production Coordinator:** Alan Harasymchuk  
**Advertising Sales:** Donna Billey, Trevor Shirtliff  
**Contributing Writers:** Candice G. Ball, Barbara Chabai, Colleen Cosgrove, Andrea Danelak, Liz Katynski

**French Translation:** Daniel Embregts  
(hezee.com)

**Canadian School Counsellor**  
CSC-T0110 • Winter 2010

Canadian School Counsellor is published triannually as a source of information for Canadian High School Guidance Counsellors. All rights reserved. Reproduction in whole or in part without written permission is prohibited. The opinions expressed herein are not necessarily those of the publisher. The publisher reserves the right to edit or omit all materials submitted for publication including advertisements and editorial content. Although this magazine is thoroughly edited, the publisher is not liable for any damages due to editing, changes, cancellations errors or omissions. All corrections should be directed to the publisher. All work submitted for publication is assumed to be the providers original work and the publisher accepts no liability as a result of publishing such works. Canadian School Counsellor is a nationally registered trade mark pending name and unauthorised use of it is prohibited.

Canadian School Counsellor Magazine is printed on acid and elemental chlorine free Forestry Stewardship Council certified paper, containing 50% recycled content including 25% post consumer waste. Printed by Harris Printing in Winnipeg, nationally recognized for their chemical free plate processing and the gold award winners for the "Best New Environmental Process" at the 2006 Environmental Printing Awards.

Canadian School Counsellor Magazine is a nationally registered trade-mark, unauthorised use of it is prohibited.

We welcome your comments and story suggestions. For editorial inquiries, additional copies or address changes, please contact editorial@marketzonepro.com or call 888.635.7776.

**For advertising information call:**  
888.635.7776 or  
email:tshirtliff@marketzonepro.com

**Canadian Publications Mail**  
Agreement #41622023

## This Issue

### 16 True Patriot Love

**Andrea Danelak** >> Reel Canada uses homegrown films to instill cultural pride in high school students

### 18 Where the Future Performs / Où le futur s'accomplit

**Barbara Chabai**>> The Canadian Skills Competition is the only hands-on event of its kind celebrating multidisciplinary careers in trades and technology / Les Olympiades canadiennes de la formation professionnelle et technique sont le seul événement d'expérience pratique du genre qui célèbre les carrières multidisciplinaires dans les métiers et la technologie

### 27 Trading Up

**Candice G. Ball** >> Transition to Trades is building new lives for Regina's unemployed youth

### 31 Political Hot Potato

**Liz Katynski** >> Is the distinction between public and private high school credits more than transcript deep?

### 34 Boundaries & Opportunities

**Barbara Chabai** >> Canada Lands Surveyors know precisely how to measure job satisfaction

### 38 De l'école à l'emploi

**Liz Katynski** >> Placement d'étudiant emploi de trouville de la jeunesse d'aides

### 42 You Kiss Your Mother with That Mouth?

**Barbara Chabai** >> Catch yourself and curb your students from using so much \$%#@\* profanity

### 44 Filling the Talent Pool

**Barbara Chabai** >> Why are so many teens able, but so few willing to pursue technology careers?

### 48 Office Interruptus

**Barbara Chabai** >> As it turns out, unplanned disruptions can be beneficial to a busy workday

## Departments

**7**  
**Across Canada**

**8**  
**Great Idea!**  
Reynolds Secondary  
School,  
Victoria, BC

**12**  
**Career Opportunity**  
Civil Engineer

**51**  
**On The Bookshelf**

**54**  
**Last Period**



Where the Future Performs /  
Où le futur s'accomplit>> 18

Experience university  
as it was meant to be.



We're St. Francis Xavier University, and we've been providing students with an undergraduate experience like no other for 155 years. Our number one focus is our students. Outstanding professors engage and challenge students in ways that they never imagined.

Our affiliation with the Coady International Institute gives our campus a unique world flavour with

people of many different countries, cultures and outlooks adding their own perspectives. StFX students graduate fully charged to blaze ahead on whatever path they choose.

Become part of something special. Visit us at [www.stfx.ca](http://www.stfx.ca). Toll-free: 1-877-867-StFX Email: [visit@stfx.ca](mailto:visit@stfx.ca)

CANADA'S PREMIER UNDERGRADUATE EXPERIENCE  [WWW.STFX.CA](http://WWW.STFX.CA)



MONTREAL, QUEBEC, CANADA  
[www.concordia.ca](http://www.concordia.ca)



**DARE TO BE DIFFERENT!**

Application deadline: March 1, 2010

**Take that, economy!**

Careers your students  
can count on.

- Animal Health Technology
- Bachelor of Business Administration
- Child and Youth Care Counsellor
- Classroom and Community Support
- Dental Assisting
- Dispensing Optician
- Health Care Support Worker
- Health Information Management
- Hotel and Restaurant Management
- Office Administration
- Sport Science
- Stagecraft
- Therapeutic Recreation

Learn more about these and other career programs:  
[douglascollege.ca/tough-times](http://douglascollege.ca/tough-times)

 **Douglas College**  
*Ignite your potential*

NEW WESTMINSTER CAMPUS: 700 Royal Avenue  
(one block from New Westminster SkyTrain Station)

DAVID LAM CAMPUS: 1250 Pinetree Way, Coquitlam  
(one km north of Coquitlam Centre Mall)

## Planning and preparing for post-secondary education on *CanLearn.ca* La planification et la préparation des études postsecondaires sur *Ciblétudes.ca*

The Government of Canada offers a wealth of information and support to help your students effectively plan and pay for post-secondary education.

New grants of \$250 or \$100 per month are available to eligible students from low- and middle-income families respectively. Grants are also available to encourage more part-time students, students with permanent disabilities and students with dependants to pursue post-secondary education. These grants will reach 245,000 students each year, an increase of over 100,000 students from the previous program.

CanLearn.ca makes planning for post-secondary education simple. Take advantage of our online tools:

- Financial Planner;
- Student Financial Assistance Estimator;
- Parental Contribution Calculator;
- Loan Repayment Calculator; and
- Repayment Assistance Estimator.

CanLearn.ca also includes links to provincial and territorial programs.

To help your students plan for a promising future, visit CanLearn.ca.

Get the word out to your students using the enclosed poster and brochure. To order additional copies, e-mail us at [info@canlearn.ca](mailto:info@canlearn.ca). Your students can also watch us at [www.youtube.com/CanLearn](http://www.youtube.com/CanLearn).

Le gouvernement du Canada offre une gamme de renseignements et de mesures de soutien pour aider vos étudiants à planifier et à financer de façon efficace leurs études postsecondaires.

Grâce à de nouvelles bourses, les étudiants admissibles issus de familles à faible revenu recevront la somme de 250 \$ par mois, et les étudiants admissibles provenant de familles à revenu moyen recevront 100 \$ par mois.

Des bourses sont également offertes pour encourager un plus grand nombre d'étudiants à temps partiel, d'étudiants ayant une invalidité permanente et d'étudiants ayant des personnes à charge de poursuivre des études postsecondaires. Plus de 245 000 étudiants vont bénéficier de ces nouvelles bourses chaque année, ce qui représente une augmentation de plus de 100 000 étudiants.

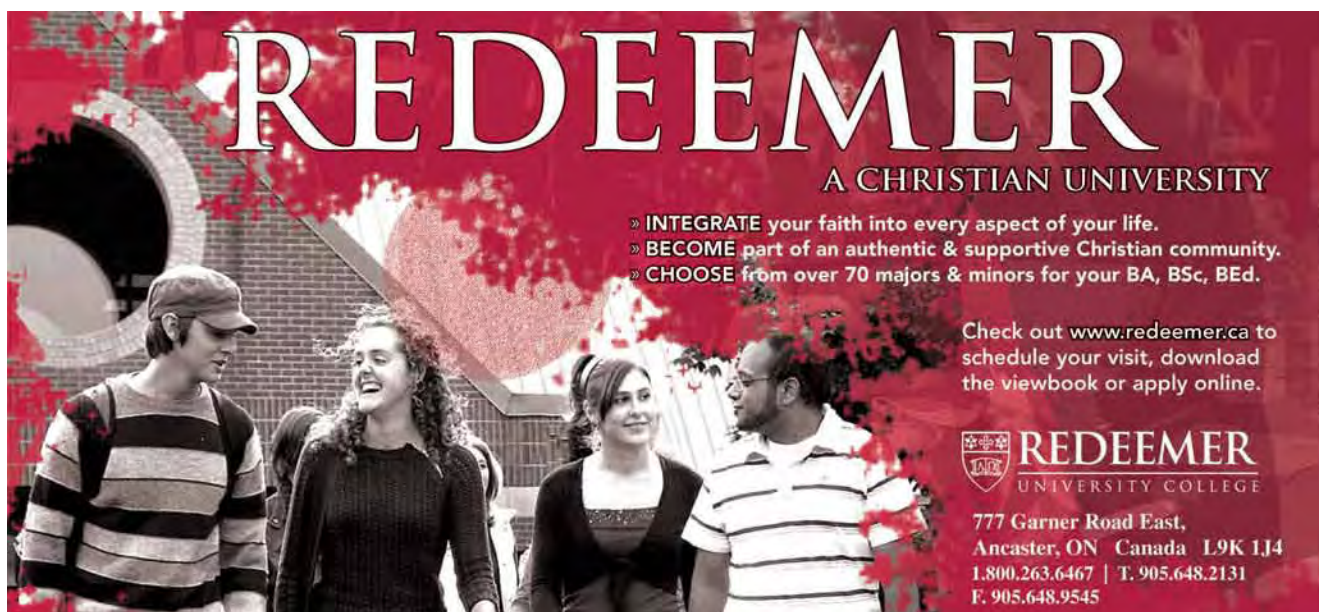
Avec Ciblétudes.ca, planifier ses études postsecondaires est simple. Profitez de nos outils en ligne suivants :

Planificateur financier;

- Estimateur d'aide financière aux étudiants;
- Calculateur de contribution parentale;
- Calculateur de remboursement des prêts;
- Estimateur d'aide au remboursement.

Vous trouverez également sur Ciblétudes.ca des liens vers des programmes provinciaux et territoriaux. Pour aider vos étudiants à planifier un avenir prometteur, visitez Ciblétudes.ca.

Renseignez vos étudiants au sujet de Ciblétudes.ca avec l'affiche et le dépliant ci-joints. Pour obtenir d'autres exemplaires, écrivez-nous à [info@cibletudes.ca](mailto:info@cibletudes.ca). Vos étudiants peuvent aussi visionner notre vidéo à [www.youtube.com/Cibletude](http://www.youtube.com/Cibletude). ♣ csc



**REDEEMER**  
A CHRISTIAN UNIVERSITY

- » INTEGRATE your faith into every aspect of your life.
- » BECOME part of an authentic & supportive Christian community.
- » CHOOSE from over 70 majors & minors for your BA, BSc, BEd.

Check out [www.redeemer.ca](http://www.redeemer.ca) to schedule your visit, download the viewbook or apply online.

**REDEEMER**  
UNIVERSITY COLLEGE

777 Garner Road East,  
Ancaster, ON Canada L9K 1J4  
1.800.263.6467 | T. 905.648.2131  
F. 905.648.9545



# Green Thumbs UP



**School:** Reynolds Secondary School; Victoria, BC

**Grades:** 9-12

**Program:** The Green Group, a student-led club which oversees several ongoing environmentally-conscious projects at the school.

**Reynolds Secondary truly walks the talk** when it comes to teaching its students about environmental sustainability. Most of the credit for this goes to the school's active Green Group, facilitated by student leadership advisor Heather Coey.

"A strong interest in environmental projects came up through our Leadership group, so we formed a subgroup to look at opportunities that were of an ecological nature; things like taking part in Earth Week, encouraging bike/walk to school days and sourcing and selling stainless steel water bottles and organic t-shirts," Coey says.

Within a few years, the Green Group has successfully taken on a number of projects to reduce the school's impact on the environment, such as implementing a



“Following the inspiration of students is very important or they won’t be invested in the project.”

zero-waste system which includes recycling organics, plastics, paper, glass, metal, electronics and batteries. The group has entered some of their projects in the BC Green Games, a province-wide competition designed to motivate action, enable sharing and reward and celebrate the green efforts of schools.

For their efforts, the students have won solar panels for the roof of their school from Solar BC – not to mention recognition and respect from environmental groups such as the Sierra Club and Life Cycles Project Society.

To date, one of the most significant projects of the Green Group has been the multi-year Green Spaces Project, a way to engage students and staff in the value of the school’s courtyard.

“Initially, the idea was to create an urban food garden in our inner courtyard,” Coey says, explaining that its goals were understanding sustainable growing, promoting healthy foods, supporting local food shelters by donating crops and creating connections with other schools and the community. “The idea ‘grew’ as students took on the project and starting looking more at the school spaces and the concept of greening the school grounds to make them a more attractive place to go.”

With the help of Leadership Victoria (a community-based, voluntary organization committed to developing, supporting, >



Fisheries and Oceans  
Canada  
Coast Guard College

Pêches et Océans  
Canada  
Collège de la Garde côtière



## Searching for a career and tuition-free degree?

If you enjoy travelling, excel in math and physics, and have good leadership skills, the Canadian Coast Guard College offers a 4-year degree program in navigation or marine engineering that might be just for you.

Canadian Coast Guard  
Officer Training Program:

Call 1-888-582-9090 or  
visit [www.cgc.gc.ca](http://www.cgc.gc.ca)

## Tu cherches une carrière sans frais de scolarité?

Si tu aimes voyager, tu excelles en maths et en physique et que tu as des qualités de chef, le Collège de la Garde côtière canadienne offre un programme de 4 ans en navigation ou en mécanique maritime menant à un diplôme universitaire.

Programme de formation d’officiers  
de la Garde côtière canadienne :

Composez le 1-888-582-9090  
ou visitez le site [www.cgc.gc.ca](http://www.cgc.gc.ca)



Canada



recognizing and honouring community leaders), the Green Group convinced the school district to remove asphalt from the courtyard and contracted landscape architects to design the new space. The students then built raised garden beds, compost bins, cold frames, as well as bat and bird houses to encourage wildlife and provide natural insect control.

"The students have been part of coordinating groundbreaking activities and monthly 'garden parties' to get students and staff out in the courtyard – to use it and see what is happening. They play music, paint signs, have food and dig in the dirt," says Coey, who, as coordinator of the Green Spaces Project, handles grant proposals, keeps track of receipts and other administrative duties.

"Following the inspiration of students is very important or they won't be invested in the project. But students also graduate and leave, so it is also very important to have a passionate teacher/advisor who sticks around to ensure continuity over the years," she says. "A supportive principal, like the one we have in Alana Charlton, can also make all the difference. Ideas are supported, not blocked."

Coey says that the Green Group, which has a core group of 25 students with the support of many others who pitch in with the activities, currently has several projects on the go that will continue to sharpen members' leadership skills.

**YOUR PATHWAY  
to University**


- First & second year university programs for transfer to University of British Columbia, Simon Fraser University, University of Victoria and other major Canadian universities
- Associate of Arts and Associate of Science degrees
- University Foundation Programs (Grade 11 and 12)

*Intakes in January, May and September for the above programs*

- Academic ESL Program

International students in a university program at Columbia College may work part-time (up to 20 hours per week) while studying at Columbia College.

For further information, contact:  
Admissions Office, **Columbia College**  
500-555 Seymour Street  
Vancouver, B.C. V6B 6J9  
Tel: 604-683-8360 Fax: 604-682-7191  
Email: admin@columbiacollege.ca



**COLUMBIA COLLEGE**  
Founded 1936

[www.columbiacollege.ca](http://www.columbiacollege.ca)

**You** know there's more to healing and wellness...than a prescription or a five-minute consultation, and you believe that teaching people how to be well goes a long way towards disease prevention and building a strong, healthy society. You want to change the future of health care in Canada, and you're excited about being part of a sustainable health-care system.

**Change the future  
of health care in Canada**

The Canadian College of Naturopathic Medicine is Canada's premier institute for education and research in naturopathic medicine. CCNM brings new thinking, new research and new approaches to health care, harnessing science to unleash the healing power of nature. For more information on becoming a naturopathic doctor and changing the future of health care in Canada, visit [www.ccnm.edu](http://www.ccnm.edu) or call 1-866-241-2266.



**ccnm**  
CANADIAN COLLEGE OF  
NATUROPATHIC MEDICINE



“This year our recycling program has a big focus on reducing. This will include speaking to our neighbours like Tim Hortons about packaging (as the discarded garbage often) ends up at our school,” she says.

Presently, the Green Group is working on a practical guide to help other schools follow in their ecological footsteps (more info at [www.greenspaceproject.org](http://www.greenspaceproject.org)). In the meantime, Coey advises those interested in setting up a similar student club to think long term, and most importantly, don't give up.

“Get support from your administration and give lots of positive reinforcement when you ‘catch’ students and staff acting in positive ways, like using a recyclable container,” she says.

As an offshoot of the Green Group, Coey has created an Environment & Sustainability course so that students can contribute and further their passion in the academic setting and perhaps even cultivate future careers.

“One of the most gratifying things has been seeing students follow related careers by going on to Environmental Studies at the University of Victoria or to the Horticultural program at Royal Roads University. Others are just being positive forces in their families and communities, leading a paradigm shift to thinking about how we are living and impacting our planet,” Coey says.

“I can see seeds that were planted here starting to sprout, both figuratively and literally. I can see the difference we are making.” ♣csc

*Talkback: We want to hear about your “Great Idea!” including successful programs, student initiatives or special events in your school. Contact us at: [info@marketzonepro.com](mailto:info@marketzonepro.com).*



## what will you become?

On the road less travelled, you will find a unique university experience, perfect for 21st-century explorers. Memorial University of Newfoundland is a comprehensive university featuring four campuses, shaped by our North Atlantic location. Memorial is the largest university in Atlantic Canada, offering more than 100 diverse undergraduate and graduate programs. We also have incredibly affordable tuition. To find out what you can become, take a virtual tour online.

1-866-354-8896 (in North America)



[www.mun.ca/become](http://www.mun.ca/become)



# Engineering A Successful Future

Ranked one of Canada's most successful professions, engineering requires a balance of logical and creative thinking

by Colleen Cosgrove

**Engineering - the discipline of acquiring and applying technical, scientific and mathematical knowledge to design and implement materials, structures, devices and systems - is one of the oldest, yet one of the most cutting-edge professions in the world.**

Howard Procyshyn, Director of Engineering with Winnipeg-based Smith Carter Architects and Engineers Inc., shares his insight on what it takes to be an engineer and how an education in the field can launch a fulfilling and often prosperous career.

**CSC: How did you discover engineering?**

**HP:** I found engineering out of an interest in the area that I wanted to learn more about - electronics. I wanted to know more about what made things work. As a kid I wasn't afraid to take things apart if it wasn't working.

**CSC: Why should students consider engineering as a career?**

**HP:** A career in engineering opens many, many doors. I think a lot of people who would make good engineers are discouraged because they don't have strong math and science skills. The thing is that there are many more qualities a person needs that round out an engineer. If they're someone who can reason and use logic to solve problems, they'll do okay. Engineers are problem-solvers and that goes a long way in both building business and creating a business. You'd be surprised where engineers end up.

**CSC: So where do most engineers end up?**

**HP:** Typically, most engineers are good at science, but all are good at organization. That's why you will see a lot of career engineers end up in senior management positions.

We are very logical and extremely good and efficient at organization, which is effective in senior management and leadership roles. You have to earn your stripes in the field; however, I worked for 17 years at my own business and then ended up merging with Smith Carter.

**CSC: What advice would you give to students thinking of enrolling in an engineering program?**

**HP:** Summer jobs are really important and they play a big role during university days. They're not only really good experience but they give you exposure to what you may do.

It can be very difficult even if there are jobs out there. So my advice would be to be diligent, almost ruthless in the hunt for a summer job related to the field.

Employers are looking for drive, motivation and an employee who is



aggressive and insistent... it will set you apart as a job candidate.

*CSC: Is the schooling as tough as some say it is?*

**HP:** Engineers work harder than anyone else and it's an intense four-year program, but it's worth it because engineers are drivers of innovation, creativity, science and our future.

*CSC: What are some of the challenges that students might face?*

**HP:** Engineering is an applied science. It's taking the science you've learned and applying it to the modern world. That's logic, and a lot of people don't see that. That can be the frustrating part but I guess that's why communication and collaborative skills are very important. Those who are good with science and collaboration tend to float to the top of the industry quite quickly.

*CSC: What are the chances of getting a good engineering job after graduation?*

**HP:** In general, it's a longer road to business success and it's not a road to wealth; but a road to making a good, comfortable lifestyle. Having said that, the traditional model in the last five years, in Canada and Manitoba in particular, has changed. Engineers have become very difficult to find (in Manitoba) as most have gone to Alberta. As a result, it has become a more sought after career and engineering salaries have raised dramatically higher than I've ever seen.

## Engineering 101

**I want to be a civil or structural engineer. What kind of post-secondary education do I need?**

Four-year and co-op engineering programs can be found at nearly every major Canadian university. Canadian colleges like Seneca College, Okanagan College, Camosun College, Nova Scotia Community College and Mohawk >



# EDUCATION FOR THE REAL WORLD.

Why are NAIT graduates in such high demand? Because they receive education rooted in experience, from instructors who have first-hand knowledge of what industry needs. Small classes, industry connections and real-world curriculum are just some of NAIT's advantages.

Choose from over 90 full-time program options - in fields from IT to the environment, health diagnostics to heavy equipment, chemical engineering to culinary arts. Study for one, two or four years. Part-time and online options also available for many programs.

LEARN MORE AT [NAIT.CA](http://NAIT.CA).  
Toll Free In Canada 1.877.333.6248.



AN INSTITUTE OF TECHNOLOGY COMMITTED TO STUDENT SUCCESS  
11762 - 106 St. Edmonton, Alberta Canada T5G 2R1



College each offer a two- and four-year engineering programs.

### **What doors will an education in engineering open?**

Within Canada, engineering graduates work at all levels of the economy. Some work in small consulting firms while others can work in larger firms that encompass several branches of engineering under one roof. An education in civil or structural engineering can be a good transition into bioengineering, project management, space structures, rehabilitation and real-time monitoring.

### **What's the difference between a civil engineer and a structural engineer?**

A civil engineer is involved in the design and construction of buildings, bridges, highways, streets, parks, subdivisions, dams, drainage and irrigation systems, water supply, sewer systems and plants. They also help to preserve our environment by assisting in the cleaning up of existing pollution and planning ways to reduce future pollution of our air, land and water.

A structural engineer is responsible for providing improved building performance. They must identify special building problems and find innovative solutions. At the same time, they deal with advanced building materials, earthquake resistance, building aerodynamics, construction management, rehabilitation and maintenance of structures, energy efficiency, ice-structure interaction, computer analysis of structures and much more. ♣csc

### **Did You Know...?**

**The first engineers were military engineers, combining military and civil skills.**

**Canada's first engineering school was established in 1854 at what is now the University of New Brunswick.**

**Machu Piccu, Peru is considered a civil engineering marvel. The mountaintop city in the Andes Mountains was built complete with running water, drainage systems, food production and stone structures so advanced that they have endured for over 500 years.**

**WORKING TOGETHER** [www.culturalhrc.ca](http://www.culturalhrc.ca)

**The Cultural Human Resources Council** provides information, tools and opportunities to workers, employers, and trainers in:

- Digital Media
- Film, Television and Broadcasting
- Heritage
- Live Performing Arts
- Music and Sound Recording
- Visual Arts and Crafts
- Writing and Publishing

**CHRC** Cultural Human Resources Council  
**CRHSC** Conseil des ressources humaines du secteur culturel

**Canada**  
This project is funded by the Government of Canada's Sector Council Program.

# THE CONTACT CENTRE INDUSTRY: MORE THAN JUST A JOB!

Are you looking for a summer job? Are you graduating soon and eager to start your career? Or are you one of the many young people already in the workforce but don't really know what else is out there? Look no further! Contact centre employers are eager to jump-start your career.

## HAVE YOU EVER...

Made airplane or train reservations? Reserved a room at a hotel or resort? Booked a hall for your hockey banquet? Called a nurse at Telehealth? Needed to call for a tow truck? Called 311 or some other regional information line? Or called 911 in an emergency? If so, welcome to the world of contact centres!

Here are a few more ways that you might use the services of a contact centre: to pay bills, buy or sell on eBay, order through a catalogue or shopping channel, get service for utilities (telephone, cable, gas or water), seek online financial or loan advice, buy concert or sporting event tickets, or get help when your computer breaks down. The list is endless, but you get the picture.

## WHAT IS THE CONTACT CENTRE INDUSTRY?

Every time you contact a business by phone or fax, or through chat, blog or Internet, there's a team of professionals at the other end ready to assist you. On a personal level, these professionals are developing their skills, gaining experience and building successful careers in the industry by helping people in one way or another. Four percent of all working Canadians are employed in the contact centre industry, one of the fastest-growing industries in Canada.

## WHY WORK IN A CONTACT CENTRE?

If you're not convinced by what you've learned so far, consider the wide range of career opportunities available in contact centres through corporate support services such as human resources, finance and accounting, information technology, legal, sales and marketing.

Contact centres offer training and advancement opportunities in many different sectors, including telecommunications, emergency and medical, financial, engineering, insurance, tourism, transportation and retail. Because there are so many options to choose from, working in a contact centre is perfect for young people who want to gain experience in their chosen field. The industry offers flexible work hours and, in some cases, the ability to work from your home or dorm room. The skills you learn in the contact centre industry offer you the opportunity to move to other industry sectors, in Canada or around the world.

### ADVANTAGES OF A CAREER IN THE CONTACT CENTRE INDUSTRY:

- Growth industry
- Flexible hours and days
- Salaries ranging from \$25K to \$150K per year\*
- Benefits, bonuses and rewards
- Opportunity to develop key skills that are transferable to most companies
- Ability to go anywhere in Canada or around the world
- Opportunity to gain valuable experience in a chosen career while earning money
- Opportunity to build a career in the contact centre industry!

## WHAT IS CONTACT CENTRE CANADA?

Contact Centre Canada ([www.contactcentrecanada.ca](http://www.contactcentrecanada.ca)) is a national not-for-profit organization of leaders from contact centre companies across Canada, as well as representatives from labour organizations and educational institutions.

Contact Centre Canada's mandate is "to support Canada's contact centre industry and its workforce through the development and delivery of industry-driven programs that address human resource challenges." This aim is principally achieved through consulting with

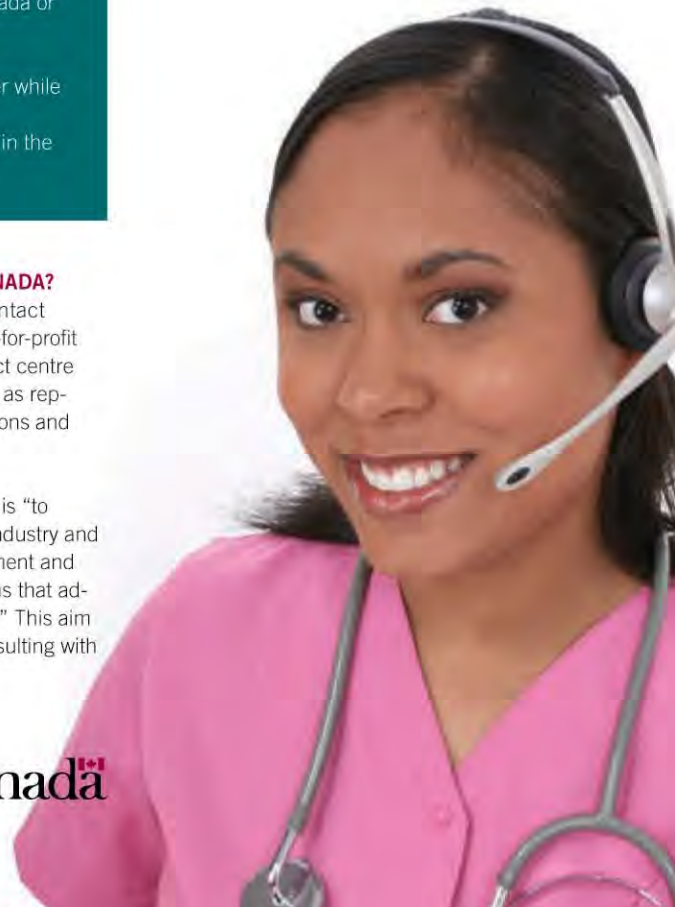
industry leaders across Canada to develop programs that will attract, develop and retain a qualified workforce in Canada. Ongoing activities focus on skill development, professional certification programs, best practices and providing up-to-date labour market information.

## HOW DO I FIND OUT MORE?

Explore the endless opportunities awaiting you in the world of contact centres. Visit our website ([www.contactcentrecanada.ca](http://www.contactcentrecanada.ca)) or ask your guidance counsellor for more information about one of Canada's largest growth industries. Don't hesitate—new possibilities, opportunities and experiences are waiting for you!

*\* Wage range varies depending on the occupation and the vertical sector.*

“Because there are so many options to choose from, working in a contact centre is perfect for young people who want to gain experience in their chosen field.”



# True Patriot Love

Reel Canada uses homegrown films to instill cultural pride in high school students  
by Andrea Danelak

**High school is one of the most trying times in a young person's** life, with questions of identity and acceptance often coming into play. Luckily, Canada has its own unique program that plays a role in helping teens answer those questions while also instilling a sense of national pride.

Designed to bring Canadian films into classrooms, Reel Canada is essentially a traveling film festival that visits high schools for one day, promoting Canadian films and culture in the process.

Executive Director Jack Blum says that Reel Canada, an initiative of several members of the national film and television industry, is well on its way to becoming a national event. Its advisory committee includes some of Canada's most prominent filmmakers and producers, including Atom Egoyan, David Cronenberg and Sarah Polley.

The program consists of two components. The first allows teachers and students to screen films they choose from Reel Canada's catalogue of feature films, documentaries, animated programs and short films within a variety of genres, ranging from Academy Award nominees like 2005's *Water* and 2006's *Away From Her* to lesser-known films.

To present the films, Reel Canada is able to transform almost any space in the school into a screening venue, depending on the school's needs and capacity.

"We use auditoriums, weight rooms, drama rooms, whatever is available," says Blum. "What the students see is a movie theatre, and that transformation is very exciting for them."

Student volunteers also play an active role in setting up the screening rooms, taking tickets, presenting the festival guests or acting as "media" to document the experience for their school newspapers or videos.

The second component of the program brings in special guest speakers, such as actors, directors and producers, who present the films and then answer students' questions.

"It really makes a huge difference for the students to actually meet the director, writer or producer of the movie they have just seen," he says. "They feel, in some fundamental way, that the crew is theirs."

According to Blum, that sense of ownership is important to students. Canadian teenagers often face challenges in maintaining a cultural identity, which is not helped by the heavy promotion and over-saturation of foreign – mainly American – films. With Reel Canada, students are able to appreciate the variety of Canadian films available for viewing and the stories told by fellow Canadians, enabling them to find themselves in the stories.

"When we started Reel Canada, our major hope was to expose youth to well-made Canadian movies that they would not normally have access to in a theatre," says Sharon Corder, Reel Canada's artistic director. "We discovered that there is a whole Canadian cultural fabric they are not usually exposed to at all."

Reel Canada staff collected control group data regarding teens' attitudes toward Canadian-made films and also measures





Reel Canada Board member Atom Egoyan with guests Jerry Ciccoritti and Nicholas Campbell at Marshall McLuhan Catholic Secondary School.

students' attitudes after the in-school festivals. Blum says the program is shown to have increased positive attitudes toward the films, as well as Canadian culture.

"Reel Canada really raises awareness of the great work being done by Canadian filmmakers," he says. "We realize we're competing with a huge Hollywood promotional machine. We wanted to make an impact and show that these movies deserve to be treated the same way as the movies being shown in the mall."

Blum attributes Reel Canada's success, in part, to the way it helps strengthen students' identities. "When students look at these films, there is a good chance that there is something that relates to them more accurately than something they would see in that multiplex at the mall," he says. "We feel like we have hit



Participants with Gordon Pinsent.

a sweet spot in terms of interest. 'Who are you?' - that's a very pressing question at that age."

It is for that very reason that Reel Canada only visits high schools, focusing on students between the ages of 14 and 19.

"Gathering material suitable for younger students is more difficult," Blum says. "We feel - and teachers have enforced - that the age group we're hitting is when students are asking questions about who they are. They are hungry for information, and we are filling that need."

Corder agrees. "High school is really a time of searching for identity. I think that the students are very receptive to seeing Canadian stories and seeing people who even look like them."

"The age group we're hitting are asking questions about who they are. They are hungry for information and we are filling that need."



Participants with Paul Gross

Reel Canada has received an extremely positive response from teachers at participating schools, and Blum and the rest of the Reel Canada crew hope to one day expand the program to impact as many Canadian teens as possible.

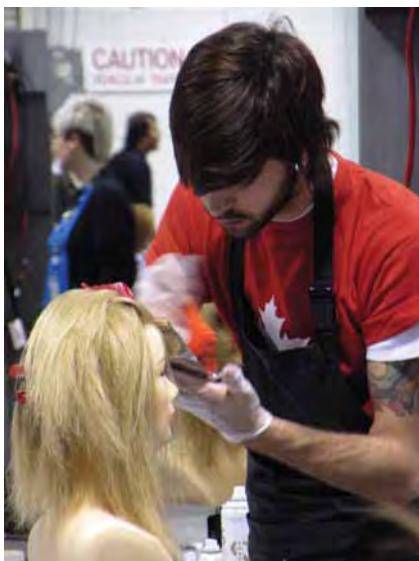
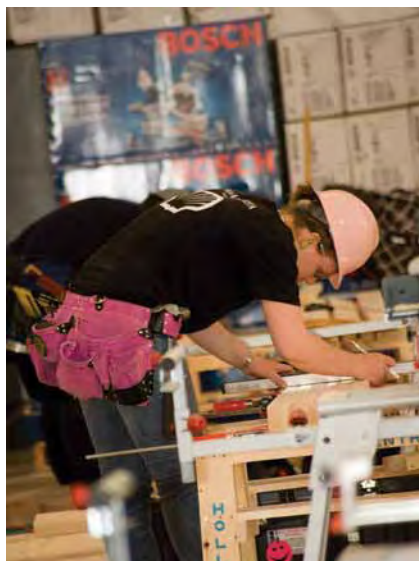
"Certainly on an anecdotal level, this has had a massive impact on some students' lives," he says. "We are growing very quickly. In the next two or three years, we would like to have a presence in five or six provinces."

Corder would also like to see Reel Canada added to schools' curriculums to make Canadian films more accessible to students across the country. "It really is exciting to see the kids' responses to these films," says Corder. "It is incredibly rewarding." 🍁 csc



Bon Cop Bad Cop's Colm Feore with some Reel Canada volunteers at Parkdale Collegiate.

For more information about Reel Canada, visit [www.reelcanada.com](http://www.reelcanada.com).



# Where the Future Performs Où le futur s'accomplit

The Canadian Skills Competition is the only hands-on event of its kind celebrating multidisciplinary careers in trades and technology

Les Olympiades canadiennes de la formation professionnelle et technique sont le seul événement d'expérience pratique du genre qui célèbre les carrières multidisciplinaires dans les métiers et la technologie

by/par Barbara Chabai

Students like Daisy Liang, hands-on problem solvers with a demonstrated love of learning by doing, are finally having their skills recognized thanks in part to Skills/Compétences Canada competitions.

Des étudiants comme Daisy Liang, qui savent résoudre des problèmes concrets en démontrant leur goût d'apprendre par la pratique, verront finalement leurs expertises reconnues grâce en partie aux Olympiades de Skills/Compétences Canada.

Daisy, an 18-year-old graduate of Eric Hamber Secondary in Vancouver, found her interest in fashion technology validated when a teacher suggested she try out for the regional Skills Competition, an event designed to showcase the technical talents of students from local schools.

“My home economics teacher was always encouraging us to take part in the competition because it is really a great way to learn a lot about our trade,” she says. “And from there, I just kept learning and learning.”

Daisy competed in the fashion technology category and surprised herself by winning a silver medal and advancing to the provincial competition hosted by Skills Canada B.C. After winning a gold medal, she went on to the Canadian Skills Competition and was selected to join Team Canada, enabling her to represent her country at the 2009 WorldSkills Competition held in Calgary last September.

“Basically, competing is like going to the Olympics. You have to train to get there and the competition is intense, but you also learn a lot about yourself as well as your trade in a small amount of time,” says the WorldSkills bronze medalist. “You get to know what it’s like to work in the industry as well as meet people who are going through the same experience as you.”

Daisy Liang is one of thousands of students who take part each year in skilled trades and technology competitions at the regional, provincial/territorial, national and international levels overseen by Skills/Compétences Canada, a national, not-for-profit organization that works with private and public sector partners to actively promote careers in skilled trades and technology to Canadian youth.

“Our organization was started in Ontario in 1989 with the purpose of raising the awareness of trades and technology careers for young people,” explains Executive Director Shaun Thorson. “It was identified that there were a lot of young people that were not receiving as much information as they could be about their career options and we saw this as an opportunity to provide that information in an interesting and dynamic way.”

Skills/Compétences Canada is very relevant in today’s economy, especially given the fact that our country’s future skilled-labour needs are in jeopardy because of a rapidly-aging workforce and a severe shortage of skilled tradespersons. This has put a spotlight on the immediate need to interest, train and employ young people in trades and technology.

After years of being told by parents and educators that university is the idyllic means to a successful career, students are realizing this preconceived notion is largely a myth. Thankfully, biases against skilled trades and technology careers, once thought to represent low skills, low pay and “dirty hands” labour, are now also antiquated.

“We certainly don’t want to take all the credit, but I think our organization has been able to make a positive impact on helping to get the message out that trades and technology are highly-valued careers in Canada’s economy,” Thorson says. “We have seen increased participation at our competitions and at our provincial/territorial activities, which tells us that the message we are sending out really resonates with a lot of young people.” >

Daisy, une diplômée de 18 ans de l’école secondaire Eric Hamber de Vancouver, a vu confirmer son intérêt dans la technologie de la mode quand un enseignant lui a suggéré de participer au concours régional des compétences, un événement conçu pour promouvoir les talents techniques d’étudiants des écoles régionales.

« Mon professeur d’économie domestique nous a toujours encouragés à prendre part au concours, car c’est réellement un excellent moyen d’apprendre beaucoup de choses à propos de notre métier, » dit-elle. « À parti de ce moment, j’ai continué à apprendre et apprendre. »

Daisy a pris part au concours dans la catégorie de la technologie de la mode et s’est étonnée elle-même en remportant une médaille d’argent ce qui lui a permis d’accéder au concours provincial parrainé par Skills/Compétences Canada Colombie Britannique. Après avoir remporté une médaille d’or, elle s’est présentée aux Olympiades canadiennes de la formation professionnelle et technique et fut choisie pour joindre l’Équipe Canada afin de représenter son pays au Mondial des métiers de 2009 qui a eu lieu à Calgary en septembre dernier.

« Pour l’essentiel, concourir est comme participer aux Olympiques. Vous devez vous entraîner pour participer et la compétition est intense, mais vous apprenez également beaucoup à votre sujet et celui de votre métier dans peu de temps, » mentionne un médaillé de bronze du Mondial des métiers. « Vous découvrez ce que c’est que de travailler dans l’industrie et vous rencontrez des gens qui vivent les mêmes expériences que vous. »

Daisy Liang est un des milliers d’étudiants qui participent chaque année à des concours de métiers spécialisés et de technologie aux niveaux régional, provincial / territorial, national et international qui sont sous l’égide de Skills/Compétences Canada, une organisation nationale sans but lucratif qui travaille avec des partenaires des secteurs privés et publics afin de promouvoir activement les carrières dans les métiers spécialisés et de la technologie auprès de la jeunesse canadienne.

« Notre organisation fut fondée en 1989 en Ontario avec l’objectif d’accroître la sensibilisation des jeunes gens aux carrières dans les métiers et la technologie », nous explique Shaun Thorson, directeur général. « Il a été démontré que plusieurs jeunes gens ne reçoivent pas autant d’information qu’ils le devraient à propos de leurs options de carrières et nous avons considéré que cette activité était une opportunité de fournir cette information de façon intéressante et dynamique. »

L’action de Skills/Compétences Canada est très pertinente à l’économie d’aujourd’hui, spécialement eu égard au fait que les besoins futurs en main-d’œuvre spécialisée de notre pays sont en péril à cause d’une population active rapidement vieillissante et de la pénurie importante d’ouvriers qualifiés spécialisés. Ceci a mis en lumière le besoin immédiat d’intéresser, de former et d’employer de jeunes gens dans les métiers et la technologie.

Après des années à s’être fait répéter par nos parents et éducateurs que l’université est la voie idéale pour une carrière à succès, les étudiants réalisent que cette préconception >



## Dynamic, Hands-On Competition

Skills/Compétences Canada is perhaps best known for hosting the Canadian Skills Competition, the only multi-trade and technology competition for young students and apprentices in the country.

In addition to promoting the status and value of skilled trade and technology careers to youth, the goal of the high-energy event is to challenge young people, their teachers, trainers and employers to achieve national standards of skills that are required in commerce, services and industry.

The Olympic-style competitions, covering six unique sectors and over 40 trade and technology areas (see sidebar), each demonstrate hands-on expertise, talent and determination while >

est bien plus un mythe qu'autre chose. Heureusement, les préjugés contre des carrières dans les métiers spécialisés et la technologie, qui associaient ces dernières à de moindres compétences, de faibles salaires et du travail qui « salit les mains », sont maintenant choses du passé.

« Nous ne voulons certainement pas nous attribuer tout le succès, mais je pense que notre organisation a pu contribuer de façon positive pour aider à faire savoir que les carrières dans les métiers spécialisés et la technologie sont des carrières très valorisées dans l'économie canadienne », nous dit Thorson. « Nous avons constaté un accroissement de la participation à nos concours et nos activités provinciales/territoriales ce qui nous indique que beaucoup de jeunes gens sont d'accord avec le message que nous transmettons. »

## Compétition pratique dynamique

Skills/Compétences Canada est probablement plus connu comme hôte des Olympiades canadiennes de la formation professionnelle et technique, la seule compétition multimétier et technologique pour jeunes étudiants et apprentis du pays.

En plus de promouvoir le statut et la valeur de carrières dans les métiers spécialisés et la technologie auprès de la jeunesse, le but de l'activité intense en énergie est de lancer un défi aux jeunes gens, leurs enseignants, formateurs et employeurs pour atteindre des normes nationales de compétences qui sont requises dans le commerce, les services et l'industrie. >

get certified!

**PCP**

PAYROLL  
COMPLIANCE  
PRACTITIONER

**CPM**

CERTIFIED  
PAYROLL  
MANAGER



Payroll is responsible for the compliance and for understanding the 185 pieces of legislation surrounding the \$730 billion in wages and benefits paid annually by Canada's 1.5 million employers, plus the \$230 billion in statutory remittances to the federal and provincial governments, and over \$80 billion in health and retirement benefits.

**PAYROLL COMPLIANCE PRACTITIONER (PCP)**  
The PCP certification is the foundation of your career in payroll.

**CERTIFIED PAYROLL MANAGER (CPM)**  
The CPM certification builds on the PCP compliance knowledge by developing your payroll management skills.

THE CANADIAN  
PAYROLL  
ASSOCIATION

CPA  
ACP

L'ASSOCIATION  
CANADIENNE  
DE LA PAIE

www.payroll.ca (under Certification)  
1-800-387-4693 ext. 272  
certification@payroll.ca

Courses offered at colleges and universities across Canada. Online courses start monthly.

## Skills Competition Categories Catégories de compétition de compétences

### Major Competition Category

Skills Competitions

### Construction Sector

Architectural Technology & Design  
Brick Masonry  
Cabinet Making  
Carpentry  
Automation & Control  
Landscape Gardening  
Plumbing  
Refrigeration  
Sheet Metal Work  
Welding

### Employment Sector

Job Interview  
Job Skill Demonstration  
Prepared Speech  
Workplace Safety

### Information & Technology Sector

2D and 3D Character  
Computer Animation  
Electronics  
Graphic Design  
Web Site Development  
IT & Network Support  
IT Office Software Applications  
TV & Video Production

### Manufacturing Sector

CNC Machining

Industrial Mechanics Millwright

Mechanical CADD

Mechatronics

Precision Machining

Robotics

### Service Sector

Baking  
Cooking  
Hairstyling  
Aesthetics  
Fashion Technology

### Transportation Sector

Aircraft Maintenance  
Autobody Repair  
Automotive Service  
Heavy Equipment Service  
Outdoor Power and "Recreation Equipment"

### Catégorie de compétition principale

Compétitions de compétences

### Secteur de la construction

Technologie et conception architecturale  
Briquetage-Maçonnerie  
Ébénisterie  
Charpenterie  
Contrôle et automatisation  
Jardinier-paysagiste

Plomberie

Réfrigération

Ferblanterie - Tôlerie

Soudage

### Secteur de l'employabilité

Entrevue d'emploi  
Présentation : aptitudes professionnelles  
Discours préparé  
Sécurité sur le lieu de travail

### Secteur de l'information et de la technologie

Animation informatisée de personnages 2D et 3D  
Secteur Électronique  
Infographie  
Conception de sites Web  
TI - Soutien de réseaux  
TI - Applications de logiciels bureautiques  
Production télévisuelle et vidéo

### Secteur production Usinage

CNC Mécanicien-monteur industriel  
Dessin industriel - CDAO  
Mécatronique  
Techniques d'usinage  
Robotique

### Secteur des services

Pâtisserie

Cuisine

Coiffure

Esthétique

Technologie de la mode

### Secteur du transport

Entretien d'aéronefs  
Tôlerie-Carrosserie  
Mécanique automobile  
Mécanique équipement lourd  
Mécanique de véhicules de loisir et d'entretien

### Learn More From Your Local Skills/Compétences Office

### Apprenez-en plus auprès de votre bureau local de Skills/Compétences Canada

British Columbia/  
Colombie-Britannique  
[skillscanadabc.ca](http://skillscanadabc.ca)

Alberta  
[skillsaberta.com](http://skillsaberta.com)

Saskatchewan  
[skillscanadasask.com](http://skillscanadasask.com)

Manitoba  
[skillsmanitoba.ca](http://skillsmanitoba.ca)

Ontario  
[skillsontario.com](http://skillsontario.com)

Québec  
[competencesquebec.com](http://competencesquebec.com)

Nova Scotia/  
Nouvelle-Écosse  
[skillsns.ednet.ns.ca](http://skillsns.ednet.ns.ca)

New Brunswick/  
Nouveau-Brunswick  
[skillscanada.nb.ca](http://skillscanada.nb.ca)

Nunavut  
[skillsnunavut.ca](http://skillsnunavut.ca)

Prince Edward Island/  
Île-du-Prince-Édouard  
[skillscanada.pe.ca](http://skillscanada.pe.ca)

Newfoundland & Labrador/  
Terre-Neuve et Labrador  
[skillscanada-nfld.com](http://skillscanada-nfld.com)

Yukon  
[skillsyukon.com](http://skillsyukon.com)

Northwest Territories/  
Territoires du Nord-Ouest  
[www.skillscanadanwt.org](http://www.skillscanadanwt.org)

## Looking for a Career that's in Demand?

### At CCVS you can have a lucrative and exciting career at your fingertips!

Realtime Court Reporting and Broadcast Captioning has been listed by Forbes.com as one of the "Great Six-Figure Jobs You Don't Need a Degree For." This skilled, challenging and financially rewarding career continues to thrive, with employment prospects outpacing virtually all other careers.

With Full-Time, Online and Hybrid/Part-Time study options, CCVS has the program for you.

Contact us at 416-960-2287 to get started on your new career today!

**“CANADIAN CENTRE FOR  
verbatim studies”**  
A better future at your fingertips



Registered as a private career college under the  
Private Career Colleges Act, 2005.

[www.verbatimstudies.com](http://www.verbatimstudies.com)

[info@verbatimstudies.com](mailto:info@verbatimstudies.com) • 416-960-2287 • 10 St. Mary St., Suite 504, Toronto, Ontario



showcasing the promising futures to be found in these careers.

“We have developed contests and activities that are relevant to industry but at the same time, are designed to be interesting for young people to participate in and exciting for the spectators to watch,” Thorson says, adding that they have recently introduced an interactive element for visitors wanting to roll up their sleeves and test their skills.

“While participants compete at a very high level with all the complexity their training has prepared them for, we now invite visitors to come try their hand at some of these skills to get an understanding of what might be involved in those occupations,” he says.

“We give them a full-sensory experience so that they can see, feel and smell what it’s actually like to work in that industry. They might get to build a brick wall, wire a circuit board, mix some cake batter, colour someone’s hair or solder a pipe and it

Les compétitions de style olympique, regroupant six secteurs uniques et plus de 40 domaines de métiers et technologie (voir l’encadré du côté), présentent chacune l’expertise pratique, le talent et la détermination ainsi qu’un aperçu des futurs prometteurs de ces carrières.

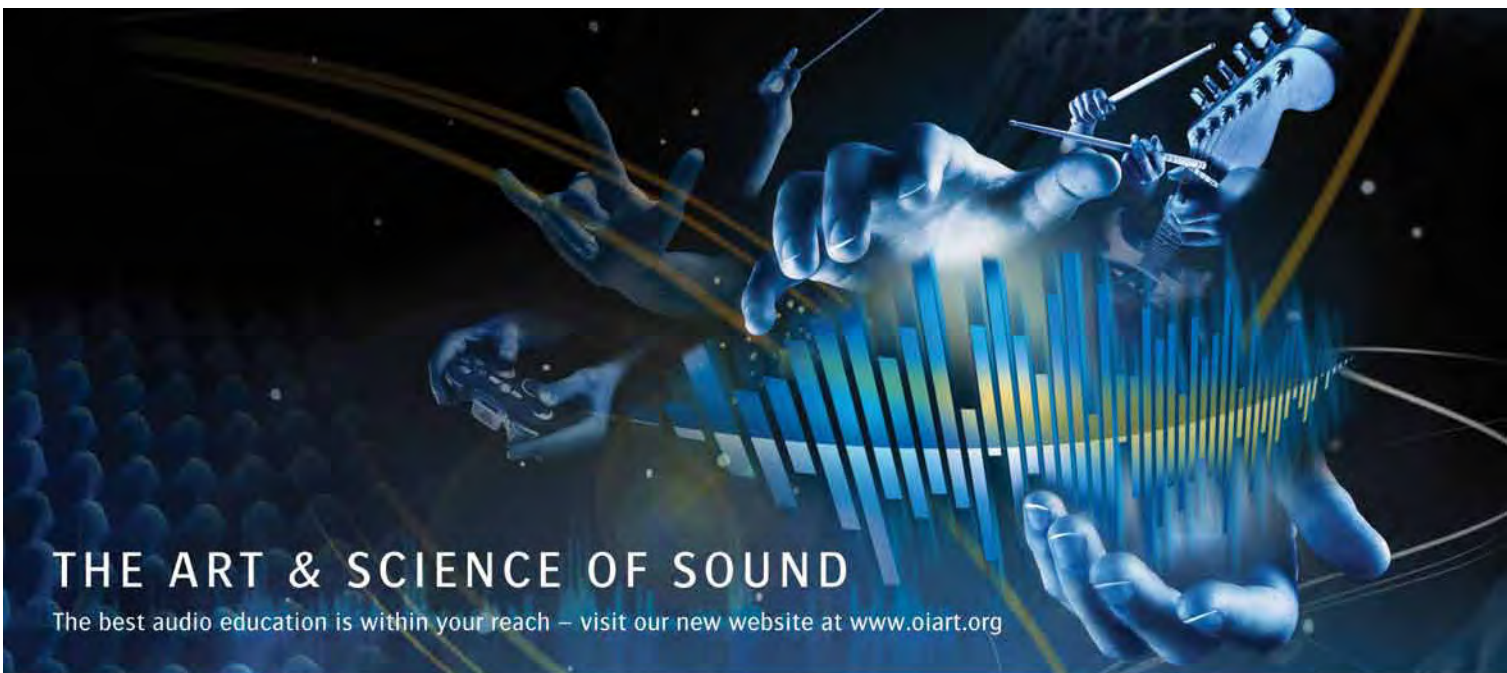
« Nous avons développé des activités et des concours pertinents à l’industrie, mais également conçus pour intéresser les jeunes gens à participer et excitants pour les spectateurs » dit Thorson en ajoutant qu’ils ont récemment ajouté un élément interactif pour les visiteurs qui veulent retrousser leurs manches et tester leurs habiletés.

« Alors que les participants compétitionnent à un très haut niveau avec toute la complexité dont leur formation les a préparés, nous invitons maintenant les visiteurs à venir se faire la main à certaines de ces compétences pour comprendre ce qui peut être impliqué dans ces occupations », nous dit-il.

« Nous leur procurons une expérience sensorielle complète afin qu’ils voient, ressentent et sentent ce qu’il en est en réalité de travailler dans cette industrie. Ils peuvent avoir à construire un mur de briques, filer un circuit, préparer de la pâte à gâteau, teindre les cheveux d’une personne ou souder un tuyau, le tout leur faisant apprécier le fait que ce qui peut sembler facile à faire peut souvent être un défi à maîtriser », explique Thorson.

« Permettre aux étudiants d’essayer certains de ces éléments de base puis leur donner l’opportunité de les voir bien exécuter au niveau de la compétition peut s’avérer être une puissante expérience très bénéfique. »

L’itinéraire vers les Olympiades canadiennes de la formation professionnelle et technique est long pour plusieurs étudiants.



## THE ART & SCIENCE OF SOUND

The best audio education is within your reach – visit our new website at [www.oiart.org](http://www.oiart.org)

MUSIC RECORDING AND PRODUCTION • PRO TOOLS™ • ACOUSTICS  
AUDIO FOR FILM AND TV • INTERNET AND GAME AUDIO • LIVE SOUND

[inquiry@oiart.org](mailto:inquiry@oiart.org) 1.866.686.5010

 **OIART**  
Hands-on for 25 years



Ils doivent d'abord compétitionner au niveau local ou de l'école avant de participer à une compétition régionale. Les meilleurs compétiteurs doivent se qualifier pour participer à l'événement provincial/territorial où ils ont l'opportunité de gagner une place pour représenter leur province/territoire à la compétition nationale.

« C'est une immense expérience d'apprentissage et nous savons de la part des étudiants et de leurs professeurs qu'ils acceptent d'y consacrer plusieurs heures supplémentaires pour se préparer aux compétitions », nous raconte Thorson. « Le fait que nous influençons certains de ces jeunes gens à utiliser leur propre temps

all gives them an appreciation of the fact that something that may look easy to do can often be very challenging to master," Thorson explains.

"Allowing students to try some of those base elements and then give them the opportunity to see the complexity of it being done well at the competition level can be a very valuable >

pour se préparer est très encourageant puisqu'en fait ils investissent ce temps pour apprendre une vocation. »

Thorson mentionne, qu'il y a une récompense significative pour les compétiteurs qui se rendent jusqu'aux Olympiades canadiennes annuelles de la formation professionnelle et technique. Le prochain événement national est prévu du 20 au >

**COMPETITION**  
WHERE THE FUTURE PERFORMS

Skills competitions provide the opportunity for students to put their abilities to the test by competing for their school, province/territory and potentially their country. Contests range from Carpentry to Culinary Arts, Webpage to Welding. To find out more about the skills contest that interests you please visit our website.

Ontario Technological Skills Competition • May 17 – 19, 2010  
Canadian Skills Competition • May 20 – 23, 2010  
Waterloo, Ontario • [www.skillsontario.com](http://www.skillsontario.com) • [www.skillscanada.com](http://www.skillscanada.com)

WorldSkills London 2011 • October 2011  
London, UK • [www.worldskills.org](http://www.worldskills.org)

and powerful experience.”

The journey to the Canadian Skills Competition is a long one for many students. They must first compete at the local or school level before moving on to a regional event. Top competitors qualify for their provincial/territorial event for an opportunity to gain their place to represent their province/territory at the national event.

“It is a huge learning experience and we have heard from many students and their teachers about all the extra hours that students are willing to put in to get ready for competition,” Thorson says. “The fact that we’re inspiring some of these young people to use their own time to prepare is very encouraging because they are actually investing the time to learn a vocation.”

Thorson says that there is significant payoff for competitors who make it all the way to the annual Canadian Skills Competition. The next national event is scheduled for May 20-23, 2010 in Waterloo, Ontario.

“There’s the pride of being recognized as being among the top competitors in Canada, which goes a long way,” he says. “Having students’ interests validated by participating in events where they see other young people like them who share a passion for this and are very interested in pursuing it.”

He says that the Canadian Skills Competition has also helped opened doors with potential employers.

“We’ve had a number of instances where some of the judges have told competitors, ‘Look, if you’re really serious about

23 mai 2010 à Waterloo en Ontario.

« Il y a la fierté d’être reconnu comme un des meilleurs compétiteurs au Canada qui fait beaucoup de chemin », dit-il. « De voir les intérêts d’étudiants validés par leur participation dans des activités où ils rencontrent d’autres gens qui, comme eux, partagent une passion qu’ils sont très désireux de poursuivre. »

Il mentionne que les Olympiades canadiennes de la formation professionnelle et technique ont également aidé à ouvrir des portes chez des employeurs potentiels.

« Nous avons connu plusieurs cas où certains juges ont dit aux compétiteurs : ‘Si vous êtes sérieux à propos de poursuivre dans ce domaine et que vous cherchez un stage comme apprenti ou de l’aide pour accéder à l’industrie, donnez-moi un coup de fil.’ ce peut être un moyen efficace pour employés et employeurs potentiels de resauter. »

Tous les deux ans, les compétiteurs sélectionnés aux Olympiades canadiennes de la formation professionnelle et technique forment l’Équipe Canada et compétitionnent contre les meilleurs au monde au Mondial des métiers dont le prochain se tiendra à Londres en Grande-Bretagne en 2011.

### Impliquez votre école

Pour les conseillers qui souhaitent en apprendre davantage au sujet des concours de compétence, le meilleur conseil de Thorson est de sortir et assister à un concours.



**HORIZON**  
COLLEGE & SEMINARY  
www.horizon.edu Saskatoon, SK



**PASSION**



**TRAINING**



**IMPACT**

Make a Difference

**\$1,000 Entrance Scholarships**  
for all new students enrolling in a  
degree or diploma program

**\$40,000 in other scholarships  
and employment support**

**Bachelor of Arts | Bachelor of Theology**  
Pastoral Ministries | Global Ministries | Youth Ministries  
Worship & Music Ministries | Children’s Ministries

**Certificates**  
Maximum University Transfer | Global Missions Force  
Ministry Training | Advanced Certificate  
Foundations in Christian Development



**EXCEL**  
ACADEMY

AN EXCITING AND REWARDING  
CAREER AWAITS YOU!

**Community Support Worker (CSW), Part-Time  
Certificate Program provides training in:**

- Suicide and Abuse Prevention
- Medication Administration
- Understanding Disabilities
- Behavioural Strategies
- Basic First Aid and CPR
- Personal Care Supports
- Lifting & Transferring, Body Mechanics,  
Positioning
- Individualized Service Planning
- Practicum Placements and Employment  
Preparation

Student  
Finance Options  
Available!

**Government of Alberta Health Care Aide (HCA)  
training also available**

**Ph: 780-441-7999**  
**Email: info@excelacademy.ca**  
**10766 - 97th Street, Edmonton, AB**



pursuing this field and you're looking for an apprenticeship or help getting into the industry, give me a call.' It can be an effective way for potential employees and employers to network."

Every two years, competitors selected from the Canadian Skills Competition form Team Canada and compete against the best in the world at the WorldSkills Competition, the next of which will be held in London, England in 2011.

## Getting Your School Involved

For counsellors interested in learning more about the Skills Competitions, Thorson's best advice is to get out and watch one.

"If schools can participate in a competition or can send a representative to see what it's about and feel that energy, I'm confident they'll be sold on the concept," he says.

During the year, the provincial/territorial offices also offer smaller introductory events that are based around experiential learning.

"There are different educational initiatives, such as cardboard boat races, that get students working with their hands and solving problems as part of a team. Again, it's a very sensory experience because we believe that rests with students a lot longer," Thorson says. "Ultimately, we hope the activities will lead youth into thinking, 'Yeah, I think I might want to pursue this' and inspire them to explore opportunities to do that." ♦ csc

To find out what Skills Canada is doing in your region and to learn more about the Canadian Skills Competition, visit [www.skillscanada.com](http://www.skillscanada.com).

« Si les écoles peuvent participer à une compétition ou peuvent y envoyer un représentant pour voir ce qu'il en est et ressentir cette énergie, je suis sûr qu'ils adhéreront au concept », nous dit-il.

Pendant l'année, les bureaux provinciaux/territoriaux offrent également de plus petits événements d'introduction qui sont basés sur l'apprentissage expérientiel.

« Il y a différentes initiatives éducationnelles, comme les courses de bateaux de carton, qui font travailler les étudiants avec leurs mains et les amènent à résoudre des problèmes en équipe. Encore une fois, il s'agit d'une expérience très sensorielle, car nous croyons que ses effets restent avec les étudiants bien plus longtemps », dit Thorson. « En fin de compte, nous espérons que les activités amèneront les jeunes à réfléchir : 'Oui, je crois que j'aimerais poursuivre cela', et que cela les inspirera à explorer les opportunités de le faire. » ♦ csc

Pour savoir ce que Skills/Compétences Canada fait dans votre région et pour en apprendre plus à propos des Olympiades canadiennes de la formation professionnelle et technique, visitez le site [www.skillscanada.com](http://www.skillscanada.com).



### Canadian Institute of Dental Hygiene

Offering Canada's first Accredited private dental hygiene program

**OUR MISSION:**  
CIDH is dedicated to providing excellent, comprehensive and current dental hygiene education.

**OUR PROGRAM:**

- Delivered in a state of the art facility
- CIDH graduates are eligible to write the National Dental Hygiene Certification Board Examination (NDHCBE)
- Proven success rate on NDHCBE
- Excellent graduate placement

CIDH has pioneered and continues to lead the development of privately delivered dental hygiene education in Canada

**LEADERS**<sup>™</sup>

For more information contact:  
CIDH Admissions Office  
145 King Street East,  
Hamilton, Ontario L8N 1B1

(905) 524 CIDH (2434) or toll free 1-877-550-2443  
[www.cidh.on.ca](http://www.cidh.on.ca) email: [admin@cidh.on.ca](mailto:admin@cidh.on.ca)




*The world is calling you...*

### McGILL UNIVERSITY – MACDONALD CAMPUS

University-level programs:

- Environment
- Environmental Biology
- Life Sciences
- Agro-environmental Sciences
- Wildlife Biology
- Plant and Animal Sciences
- Microbiology and Biotechnology
- International Agriculture and Food Systems
- Bioresource Engineering
- Dietetics and Human Nutrition
- Food Science
- Agricultural Economics




College-level program:

- Farm Management and Technology ([www.mcgill.ca/fmt](http://www.mcgill.ca/fmt))

[www.mcgill.ca/macdonald](http://www.mcgill.ca/macdonald)  
Tel. : 514 398-7925 or 7928





# Imagine

A BRIGHT FUTURE FULL OF POSSIBILITIES

**Congratulations to the winners of the 2009 Monsanto Canada Opportunity Scholarship!** Each of these students has received a \$1,500 scholarship to help fund their post-secondary education. If you are graduating from high school in 2010 and have plans to pursue post-secondary studies in agriculture, you can apply for a 2010 Monsanto Canada Opportunity Scholarship. Watch for details in February 2010 on how to apply or visit us online at [www.monsanto.ca](http://www.monsanto.ca).

## ALBERTA



Kaiten Carlson Cardston, AB   Cody Coleman Innisfail, AB   Greg Cymbaluk Valleyview, AB   Stacey Domolewski Taber, AB   Melissa Harke Barrhead, AB

## BRITISH COLUMBIA

## MANITOBA



Louisa Henry Bassano, AB   Staci Klein Strome, AB   Cali Lewis Clyde, AB   Daniel Schwenk Coronation, AB   Nathan Stamp Enchant, AB   Jared Sundquist Stavely, AB   Robert Wills Coutts, AB   Amanda Byers Vanderhoof, BC   Gina Flukiger Agassiz, BC   Kaitlyn Schurmann Abbotsford, BC   Anya Sopow Summerland, BC   Kayla Antonowich Seddons Corner, MB   Cortney Bezan Teulon, MB

## MARITIMES



David Boerchers Laurier, MB   Alexander Boersch Elie, MB   Trevor Calvert Carberry, MB   Jason Gemmill Pilot Mound, MB   Nolan Giestrecht Winkler, MB   Megan Kemp Pilot Mound, MB   James Kingdon Minnedosa, MB   Sharisse Medd Hamiota, MB   Jillian Overby Inwood, MB   Kara Rutherford Grosse Isle, MB   Amanda Sneyzk Neepawa, MB   Michael Vanwynsberghe Crystal City, MB   Alexander Burrows Green Oak, NS

## ONTARIO



Alexander MacKinnon Montague, PEI   Karen Strehler Bonshaw, PEI   Jeanette Van der Linden Antigonish, NS   Brandon Betts Glencoe, ON   Jessica Bickle Tavistock, ON   Sarah Campbell Strathroy, ON   Melissa De Decker Delhi, ON   Emily den Haan Loretto, ON   Greta Haupt Hagersville, ON   Sarah Hubbert Sundridge, ON   Jackie Kaufman Woodstock, ON   Ashley Knaption Almonte, ON   Clinton Lichty Ariss, ON

## QUÉBEC

## SASKATCHEWAN



Christopher MacFarlane Peterborough, ON   Colleen McLean Forest, ON   Troy Pietarske Wainfleet, ON   Edward Post Hay, ON   Kathleen Spencer Bracebridge, ON   Pierre-Olivier Caron Plessisville, QC   Melissa Duncan Ormstown, QC   Charles Gagnon St-Prospere de Champlain   Tom Lynch Coaticook, QC   Christina Pelletier Rivière-Érémite, QC   Philippe Vernier Saint-Zotique, QC   Inga Abrahamson Pelly, SK   Stephanie Butt Mantario, SK



Michelle Callias Lloydminster, SK   Andrea De Roo Fairlight, SK   Ian Epp Waldheim, SK   Ashley Gilmour Craik, SK   Andrea Gress Arborfield, SK   Breann Gurauck Ogema, SK   Brittany Jordet Hazenmore, SK   Bo Langer Riverhurst, SK   Braden Olson Plenty, SK   Erin Ross Grenfell, SK   Melissa Topham Eastend, SK   Lindsay Weirich Spiritwood, SK   Danon Wretford Carwood, SK

MONSANTO CANADA OPPORTUNITY SCHOLARSHIP

MONSANTO  
imagine





# TRADING UP

## Transition to Trades is building new lives for Regina's unemployed youth by Candice G. Ball



Ian Tanner, a graduate of the Transition to Trades program.

After serving a short sentence in a correctional facility, Ian Tanner's employment prospects looked grim when he got out and started applying for jobs. "Not many people were willing to take a chance with me," he says.

Although he'd always been interested in carpentry and had a natural aptitude for it, he could only land odd jobs. But just when he felt like giving up, a poster for the Transition to Trades Program displayed at a Canada-Saskatchewan Career and Employment Services office in Regina got his attention.

Ian promptly applied for the program, which involved attending orientation, filling out an extensive intake form and going through an interview. Although he

didn't get in right away, he did land a spot near the top of the list as an alternate.

"I got lucky because within the first few days someone dropped out," Ian remembers. "They gave me the chance I needed and I realized I was happy being there and ready to work through things."

An initiative of the North Central Community Association, the Transition to Trades program targets individuals ranging in age from 18 to 30 who want some hands-on training in the trades, want to better themselves and learn life skills.

The program teaches participants how to use basic tools and perform fundamental construction tasks. They also receive training in safety, including first aid, protection from falls and how to lift >



## All construction work the students take on helps to improve the community.

While the hands-on construction work gave Tanner the hard skills he needed to land a job, he says the classes in life skills and some one-on-one time with staff helped him overcome his anger management and communications issues.

"I used to be somewhat of a quiet person and I had problems holding in my anger until it was too late," says Tanner. "But (the program) helped me (work) through that."

With more than 100 applicants per intake but only 10 available participant slots, applicants need to demonstrate how much they want to be in the program and a commitment to bettering themselves professionally and personally.

properly, as well as earn certificates acknowledging their training.

In addition, the program devotes an equal amount of classroom time to areas such as anger management, addictions issues, money management, work ethics and goal setting, plus interview skills and resume writing.



"We're looking for individuals who can convince us they're not (applying) because their mom wants them to be in the program," says Jane Gattering, Director of the Transition to Trades program. "They need to be motivated and committed to personal development."

The philosophy behind the program is bettering individuals and their community. Gattering acknowledges the program is quite atypical.

"Most community associations are about figuring out which craft class to run and what time the ball diamond will be designated to whom," she explains. "But with the North Central Community Association, the focus has been on housing, employment and crime prevention."

Accordingly, all construction work the students take on helps to improve the community.

"We want to build up residents - the unemployed youth - in the neighbourhood, but at the same time we want to build up the neighbourhood."

## THE GOLD STANDARD IN EDUCATION



**FILM & TELEVISION**



**ENTERTAINMENT MANAGEMENT**



**AUDIO ENGINEERING**



**EVENT & VENUE MANAGEMENT**

**"Trebas changed my life."**

Mike Piersante, recording engineer, 4 time GRAMMY winner for Robert Plant, B.B. King, and others.

START THE CAREER OF YOUR DREAMS AT TREBAS

2340 Dundas St. W.  
2nd Floor  
Toronto Ontario

CALL: **(416) 966-3066**



**TREBAS**  
INSTITUTE

550 Sherbrooke St. W.  
Suite # 600  
Montreal, Quebec

CALL: **(514) 845-4141**

DEVELOPING SUCCESSFUL CAREERS THROUGH TRAINING SINCE 1979



Gattinger hastens to add that “what we don’t want to do is build and paint fences” all summer simply because the community wants new fences. She says Transition to Trades wants to ensure the participants get exposed to a wide variety of construction work.

Ian Tanner is just one example of how employers in the construction industry have taken notice and are eager to hire graduates of the program. Ian plans on pursuing an apprenticeship in carpentry and has already accumulated hours toward his trade.

Gattinger is hopeful that there are many more similar success stories to come. If provincial funding comes through, she says they will be able to double their capacity and take on 20 participants per session. 🍁 csc

*Talkback: We want to hear about your “Great Idea!” including successful programs, student initiatives or special events in your school. Contact us at: [info@marketzonepro.com](mailto:info@marketzonepro.com).*

## Have You Ever Considered a Career in the Farm Equipment Industry?

- High demand for jobs
- Apprenticeship positions
- Work with new technologies
- Advancement opportunities




### Variety of Positions:

- Ag Machinery Technicians
- Sales Representatives
- Administrative
- Parts People
- Marketing



To learn more about exciting careers in Farm Equipment Dealerships and current available positions check out the Canada West Equipment Dealers website [www.cweda.ca](http://www.cweda.ca)





**HARRIS  
INSTITUTE**

SOUND MUSIC INDUSTRY EDUCATION

ONE YEAR DIPLOMA PROGRAMS IN  
RECORDING ARTS MANAGEMENT (RAM)  
AND THE PRODUCING / ENGINEERING  
PROGRAM (PEP) START IN NOVEMBER,  
MARCH AND JULY. FOR INFORMATION ON  
NEW WEEKEND COURSES, CLICK PDP ICON AT:

**ROCK-ENROLL.INFO**



the right  
**environment**  
for your  
**education**



MARITIME COLLEGE OF  
**FOREST**  
TECHNOLOGY

A Leader in Forestry Education Since 1946  
**Fredericton, New Brunswick**

**Call us today to find out more about our  
two year forestry program:**

Toll Free 1-866-619-9900  
Telephone: (506) 458-0653  
Fax: (506) 458-0652  
info@mcft.ca

**www.mcft.ca**



**YOU  
ARE UNDER  
CONSTRUCTION**

**CareersInConstruction.ca**

**Picture your dream job.** You're contributing to major projects that make a difference in the world. You work with a team of talented, dedicated professionals. You have flexibility, you can travel, you can learn on the job. You're rewarded for your intelligence, energy, ambition and creativity. You're in a growing industry with lots of opportunities. There's room to move up and branch out.

And the pay's pretty good too, right?

Surprise: your dream job awaits you in construction. There's lots that may surprise you to know about today's construction industry. Visit [CareersInConstruction.ca](http://CareersInConstruction.ca) to find out more.

FUNDED BY THE  
GOVERNMENT OF CANADA'S  
SECTOR COUNCIL PROGRAM

**Canada**

CONSTRUCTION  
SECTOR COUNCIL



CONSEIL SECTORIEL  
DE LA CONSTRUCTION

# Political Hot Potato

Is the distinction between public and private high school credits more than transcript deep?

by Liz Katynski

Students attending public high school in Ontario are able to earn credits toward their public high school diploma at an independent school. Some choose to do this in order to raise their grades and improve their chances of being admitted to competitive post secondary education programs.

The situation has sparked a provincial debate: are some independent (also called private) schools offering easy credit that will not prepare a student to cope in their post secondary studies?

"There certainly is a concern," says Peggy Aitchison, Principal of Forest Hill Collegiate Institute in Toronto. "Some of our students have been talking about easy credits. Some credits earned at some private schools are seen through squinty eyes."

For example, if a student barely passed Grade 10 math and then earns 90 per cent in Grade 11 math at an independent school, Aitchison says she would be sceptical of the mark. "If you are learning in a very small class, or one on one, that learning environment will not be replicated in university. If that gets you into a competitive post secondary program, >



Peggy Aitchison, Principal

Inside a classroom at Forest Hill Collegiate in Toronto.

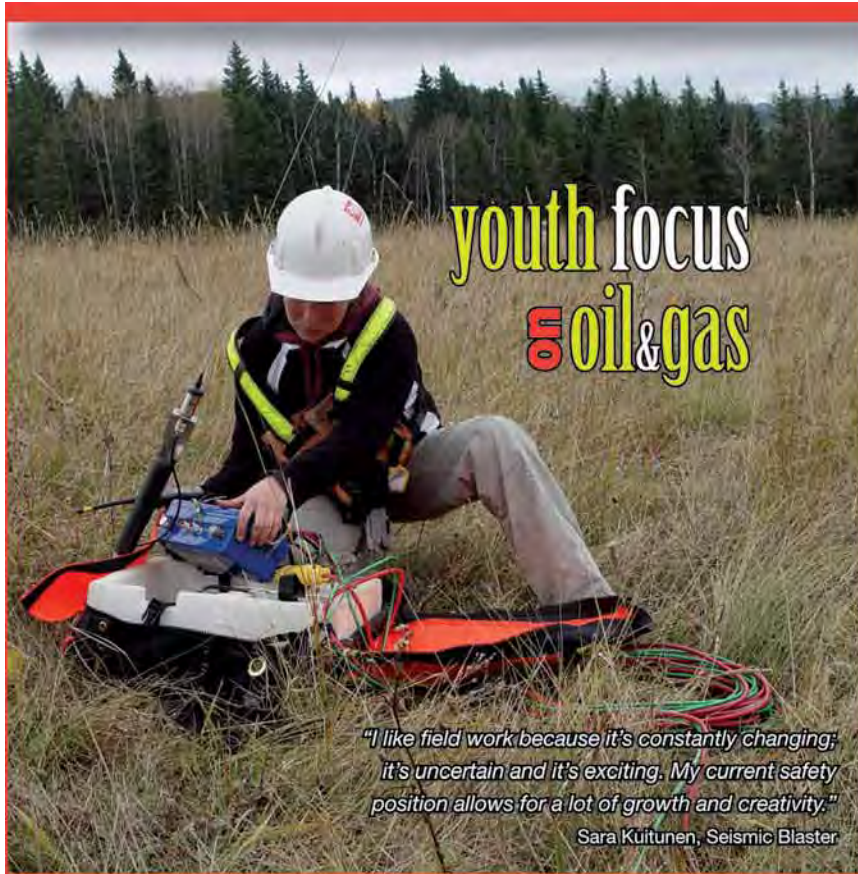


## “Some credits earned at some private schools are seen through squinty eyes.”

you will not be able to cope, and you are taking a spot from someone else.”

At public high schools, classes of over 30 students are the norm, she says. “If

you can't manage, you need to face the difficult situation. Spend the time and take it over at summer school so you have a more solid foundation.”



Winner of the 2008 Calgary Board of Education's Lighthouse Award and the 2007 Calgary Educational Partnership Foundation Mayors' Excellence Award, the Canadian Association of Geophysical Contractors (CAGC) is proud to be a leader in providing outstanding career opportunities to students in the oil and gas industry.

Our award winning program, **Seismic in Motion (SIM)** allows students to “spend the day in the field”, experiencing first hand what it is like to work on a modern day seismic crew.

For information or a free **Careers in Seismic** package (including a documentary DVD of our SIM program) contact **Kelli Tonge** at [kelli@cagc.ca](mailto:kelli@cagc.ca) or 403.265.0045



Visit us at [www.cagc.ca](http://www.cagc.ca) under careers and at [www.youtube.com](http://www.youtube.com) search keywords "CAGC Seismic"



For Aitchison, it's all really about the pressure today's students face to get into the right university. “Students really need to look at if the program is the best one for them, especially if they are really struggling.”

Student, know thyself, advises the former math teacher and guidance counsellor. “University is not for everyone. In the long run, students should be happy. Tremendous work has been done to help students better understand the range of career options available to them. The more guidance counsellors help students to see the range of options, the better.”

The discussion over public versus independent school credits could be settled with a study looking at high school grades related to future achievement to determine whether where the credit comes from makes a difference, Aitchison says. “We don't want to accept second best. We keep pushing students but we don't want them to end up overwhelmed with more than they can handle. It's a fine balance.”

Grades earned by students attending public high schools in Ontario are transmitted to the Ontario Universities Application Centre (OUAC) and they send them to post secondary institutions on the student's behalf. The information compiled indicates where each credit was earned.

In the past, no distinction was made on student transcripts but soon, on public high school student transcripts, the Minister of Education will distinguish between credits earned in public school and those earned in private schools by noting the latter with a P. The P will provide transparency, says Patricia MacNeil, Senior Media Relations Coordinator, Ontario Ministry of Education.

In Ontario, independent schools operate independent of public education funding. “Private schools are private businesses. We don't oversee the operation of private schools. Our main priority is the public schools,” says MacNeil, noting that there are over 900 private schools in the province and over 300 of them offer credits towards the Ontario Secondary School Diploma (OSSD).

These private schools must offer Ontario curriculum and are inspected by the ministry once every two years. If there



are concerns, they are inspected annually. If they fail inspection, their crediting ability may be revoked, but this has not happened to a private school since 2005-06.

"All concerns about integrity of delivery are followed up on," says MacNeil. "The ministry inspects private schools that offer credits to protect the integrity of the public school diploma. Inspections are rigorous."

## Marketplace is a powerful regulator

A number of independent schools are not happy with the P.

"We are so offended," says Barb Bierman, Executive Director, Ontario Federation of Independent Schools (OFIS) – an organization representing 140 independent Ontario schools. OFIS is one of more than nine independent school organizations on the Independent School Associations of Ontario (ISAO).

"Independent schools get no funding, but all of our members meet or exceed the standards of the Ontario curriculum. Tuition-paying parents won't pay for crap. They research their school choices with vigour," says Bierman. "Our members grant credits on behalf of the ministry of education so they must submit to inspection. It's a fairly stringent process. It's a good process. There is no need to set apart credits."

Independent schools may set lower teacher-to-student ratios in order to better prepare students for university, Bierman says, although she would like to see a study comparing success rates of graduates of public and independent schools.

"The marketplace is a powerful regulator. If it is true (that some private schools are offering easy credits), then the government is not watching closely enough. There is no need for additional process. Segregation is damaging to the reputation of independent schools," says Bierman. "The debate has been raging for years. We can wait for a study. We are confident of the results. It would be nice to have them in black and white."



A study called *Ontario's Private Schools: Who Chooses Them and Why*, published by the Fraser Institute in 2007, found that parents overwhelmingly chose private schools for reasons including dedicated teachers, outstanding quality, confidence-enhancing educational environments and an emphasis on quality academics.

Cardus, a think tank organization formerly known as the Work Research Foundation, is now conducting a *Christian Education Outcome Study*. It will measure the academic, cultural and spiritual success of 24,000 graduates from 300 schools throughout North America, with about 25 per cent of them being Canadian. In Ontario, this would include graduates of private Christian schools and homeschooled students if they were part of a homeschooling association. Data will be collected this summer, with results expected in the winter of 2010.

"We will shed light on where the graduates have gone five, 10 and 15 years out of high school," says Ray Penning, Cardus' Director of Research. "My expectations are that the results will be mixed." ❖ csc





# Boundaries & Opportunities

Canada Lands Surveyors know precisely how to measure job satisfaction

by Barbara Chabai

For high school students, there is a whole world waiting to be discovered – and by building a one-of-a-kind career as a Canada Lands Surveyor, they can explore every centimetre of it on their own terms.

“Surveying is a very exciting career that applies mathematics to real-life situations,” says Jean-Claude Tétreault, Executive Director of the Association of Canada Lands Surveyors (ACLS), a non-profit, non-governmental organization that governs the activities of its members in the field of boundary or legal (known as “cadastral”) surveying.

“We are basically experts in measurement, so to do this we have to apply knowledge of mathematics, geography, history, science, law and engineering. But measurements are only a fraction of what we do.”

Canada Lands Surveyors, the only professionals authorized to perform cadastral surveys on lands not within provincial jurisdiction (First Nations reserves, federal parks,

the territories and Canada's offshore areas), have hands-on positions with an exciting range of projects in a wide variety of areas: construction sites, mines and even under the ocean!

From the building of an outdoor running track for the Olympic Games to the construction of the Confederation Bridge linking New Brunswick and Prince Edward Island - Canada Lands Surveyors are using their professional and technical skills to shape our society.

"In my own practice, I have been involved in many fascinating projects such as aligning a tunnel to be built under a river. In that case, it requires a lot of mathematical calculations and precise measurements in order to align the tunnel so that it ends up in exactly the right place," Tétreault says.

As a Canada Lands Surveyor, individuals have the ability to build the career of their dreams, whether they choose to work in an office environment or out in the remote wilderness.

"What other profession allows you to spend the majority of your days outside, literally on a glorified treasure hunt, in some of the most beautiful areas of the country and at the end of the day you still get paid for it? Land surveying," says Julie Baglolo of McElhanney Associates Land Surveying in B.C.

Aside from the flexible disciplines and working environment, surveying is a unique opportunity to work with some of the latest high-tech tools and computer programs. Surveyors often work in high-tech situations using graphics software, robotic total stations and GPS. In fact, surveyors were using GPS systems back in the late 1980s - decades global tracking devices became standard features in new vehicles.

"The advent of the Global Positioning Satellite system has changed the face of Land surveying forever. We are constantly updating our equipment in order to get as many of the advantages of the newest technology as we can," says Ashley Large, an Alberta Land Surveyors' Association-articled pupil working with Focus Corporation. "It will be very exciting to see the effects of the new satellite systems on the surveying industry over the next five to 10 years." >

"What other profession allows you to spend your days on a glorified treasure hunt in some of the most beautiful areas of the country - and get paid for it?"





Careers on the  
Front Lines of Canada's  
Oil & Gas Industry.



[www.rigtech.ca](http://www.rigtech.ca)



## SURVEYOR SAYS...

Surveying is one of the most versatile and flexible careers in demand today. Members of the ACLS specialize in a number of disciplines, including:

**Land surveying:** measurement and positioning on land;

**Hydrography:** measurement and positioning on water;

**Photogrammetry:** measurement and positioning with the use of aerial photographs

**Mapping:** drafting of maps or charts;

**Remote Sensing:** collection of data on a object or an area on the Earth from a distance (satellites, aircraft, etc.);

**Land Registration:** management of property rights information (titles, deeds); and

**Geographic Information Systems (GIS):** computerized geographic information management (used in Google Earth and GPS).



Because of their expertise in spatial positioning and property rights systems, surveyors have the power to affect the changing infrastructure in their own communities – as well as become involved in projects around the world.

“I know surveyors who have worked on projects in Cambodia, Africa, Bosnia and Russia, so there are definitely opportunities for those who want to travel,” says Tétreault, who was once part of a survey team that traveled to remote northern regions to stake boundaries which helped establish Nunavut as Canada’s largest and newest federal territory in 1999.

In this country, professional surveyors and survey technologists are highly sought after and because of the demand, those with the right skills and experience can quickly earn salaries ranging from \$75,000 to upwards of \$125,000. As surveyors will always be needed before the first house is built or the first well is drilled, it is a stable profession with job security.

Tétreault says that students interested in becoming a Canada Lands Surveyor should be adept in mathematics but also interested in law since they are often engaged in assessing boundary evidence and legal transactions.

“Surveyors are educated in survey law to understand property rights which is useful when requested to resolve a boundary dispute.”

Becoming a professional surveyor requires a four-year university degree in geomatics (digital mapping) engineering, which covers surveying, mathematics, physics, engineering and law. Currently, only the University of Calgary and the University of New Brunswick offer accredited programs, although the Université Laval in Quebec, York University and Ryerson University in Toronto also offer geomatics engineering courses.

There are also opportunities across the country for survey technologists, requiring a two or three-year college diploma in land survey technologies. As access to the university programs is limited, associations such as ACLS are currently working with post-secondary institutions to either allow college students to apply to write university-

level exams or to replace the exams with distance education courses.

Upon completing their formal education, students who want to work as a professional surveyor must be licensed or commissioned by the association where they wish to practice. Because professional surveying is regulated at the provincial level – or, in the case of

Canada Lands Surveyors, under federal jurisdiction at the federal level – students should consult their association to find out about the licensing process within the jurisdiction they wish to work. ♣csc

For more information, visit the Association of Canada Lands Surveyors at: [www.acls-aatc.ca](http://www.acls-aatc.ca).

**ACLS-AATC**  
Association of Canada Lands Surveyors - L'Association des Arpenteurs des Terres du Canada

**Mapping the future today...**  
high tech, challenge, outdoors,  
variety Scholarships

**Tracer le futur aujourd'hui...**  
haute technologie, défi, plein air,  
bourses d'études variées

**acls-aatc.ca    setyourboundaries.ca**



## De l'école à l'emploi

Placement d'étudiant emploi de trouville de la jeunesse d'aides  
par Liz Katynski

Pour un jeune du niveau secondaire, trouver son premier emploi peut être un peu gênant.

Depuis 35 ans, le programme Placement d'étudiant est là pour les aider. Depuis huit ans, le tout se déroule sur ligne, sur leur site web.

<< Nous mettons à la disposition des employeurs et chercheurs d'emploi un outil pour qu'ils puissent effectuer leur recherche >>, dit Catherine Bourque-Barrette, conseillère, direction du placement et du soutien aux services aux entreprises (DPSSE), Emploi Québec.

Placement d'étudiant ([www.emploietudiant.qc.ca](http://www.emploietudiant.qc.ca)) reçoit les candidatures des jeunes qui s'inscrivent sur le site web. Ils reçoivent aussi des postes d'emploi des employeurs du secteur privé et du Gouvernement du Québec. Sur ce site, tous les emplois sont



<< Ici, les jeunes n'ont pas besoin de partir de zéro >>, dit Bourque-Barrette. << Les emplois sont destinés aux étudiants. C'est un pas déjà fait. Et c'est gratuit. >>

destinés aux jeunes. Les jeunes trouvent des emplois et les employeurs trouvent des jeunes employés.

<< Ici, les jeunes n'ont pas besoin de partir de zéro >>, dit Bourque-Barrette. << Les emplois sont destinés aux étudiants. C'est un pas déjà fait. Et c'est gratuit. >>

Pour les jeunes du secondaire, les emplois sont plutôt ceux du secteur privé, elle dit. Quand un jeune s'inscrit dans la banque, l'employer peut le voir mais le jeune peut aussi postuler en ligne sur l'emploi. Les candidatures sont vues par les employeurs et les jeunes peuvent recevoir des

Alertes- Emploi par courrier électronique chaque jour ou chaque semaine pour signaler des offres d'emploi correspondant à ses critères de recherche. Aussi les employeurs peuvent recevoir des Alertes-Candidate(s) tous les jours ou une fois >

Rencontres DU CANADA
Encounters WITH CANADA

Histoire de se connaître

Un programme de citoyenneté et de leadership dans votre capitale nationale.

Passez une semaine au plus grand forum jeunesse du Canada!

L'incontournable expérience canadienne bilingue pour les élèves du secondaire de 14 à 17 ans.

www.encounters-rencontres.ca  
1 800 361-0419

Frais de transport couverts.  
Inscrivez-vous dès AUJOURD'HUI!

UN PROGRAMME DE A PROGRAM OF THE

Patrimoine canadien
Canadian Heritage

Université  
Sainte Anne

Pour cultiver les étoiles de demain

- Formations collégiales et universitaires de haute qualité
- Un taux de placement des finissants supérieur à 90%
- Étudier en français: un atout pour votre future carrière!

Give Yourself an Edge

- High quality college and university programs
- A job placement rate after graduation above 90%
- Study in French: a plus for your future career!

www.usainteanne.ca - 1 888 338-8337



par semaine avec les nouveaux candidats qui y sont inscrits.

<< Les employeurs savent que les jeunes ont peu d'expérience. Ici, ils les acceptent plus rapidement >>, dit Bourque-Barrette.

En octobre 2009, par exemple, les emplois dans le secteur privé suivants étaient disponibles: caissier, animateur en sport, et conseiller aux services à la clientèle.

Au courant de l'été, il y a environ 3,000 postes dans le Gouvernement du Québec. Dans le gouvernement, il a aussi des postes de 14 heures par semaine au courant de l'année scolaire.

<< Ça peut donner à l'étudiant sa

**Tell your students to:**

**gokatimavik.com**  
**GET A LIFE**

**Find out how Katimavik leads to success at [katimavik.org/gap](http://katimavik.org/gap)**



première expérience dans sa domaine >>, dit Bourque-Barrette.  
<< Pour ceux du secondaire, c'est plus général. >>

L'année passée, 47,164 chercheurs distincts se sont inscrits au Placement d'étudiant. Il y avait aussi 3,905 employeurs distincts inscrits et 31,861 postes vacants signalés. On ne sait pas combien de jeunes ont trouvé un emploi grâce à ce programme.

Depuis son début, il y a 35 ans, plus d'un demi million d'étudiants et étudiants ainsi que quelques milliers d'employeurs du secteur privé y ont participé.

Chaque année, entre février et juin, les agents de promotion du programme visitent les écoles dans 17 régions de la province: Bas St. Laurent, Saguenay Lac St. Jean, Capitale Nationale, Mauricie, Estrie, Montréal, Outaouais, Abitibi Témiscamingue, Côte Nord, Nord du Québec, Gaspésie Les Îles, Chaudière Appalaches, Laval, Lanaudière, Laurentides, Montérégie, et Centre du Québec. Ils présentent des kiosques offrant des dépliants d'information, et ils visitent

des classes dans les cours comme acheminement de carrière. Ils font aussi contact avec les conseillers en orientation pour leur parler du programme.

<< Les agents font de la promotion pour le service dans les écoles >>, dit Bourque-Barrette.

Les conditions d'admissibilité sont: avoir au moins 14 ans ou avoir terminé le 3e secondaire, résider au Québec comme citoyen, résident permanent ou avec permis de travail, étudier à temps plein or partiel, et fréquenter un établissement d'enseignement reconnu par le Ministre d'Éducation, de Loisir et du Sport.

Pour les emplois en fonction publique, il faut avoir 16 ans ou avoir complété un 5e secondaire. En plus des emplois avec le Gouvernement du Québec, dans le secteur de la fonction publique, il y a aussi possibilité de faire un échange interprovincial dans d'autres provinces comme l'Alberta et le Manitoba. ♣csc

**Dites à vos  
étudiants :**

**gokatimavik.com**  
**DÉGAGE**

**Pour en savoir plus  
sur Katimavik, visitez  
katimavik.org/gap**



# You Kiss Your Mother with That Mouth?

Catch yourself and curb your students from using so much \$%#@\* profanity

by Barbara Chabai

**Cursing is great, isn't it? It's satisfying,** immediate, helps us cope with stress, lends itself to humour and when your brain is befuddled beyond all frustration – it's often the only garble you may be capable of expressing. Ask anyone whose computer just crashed.

Although cussing in casual conversation is considered socially acceptable and expletives are now standard adjectives, nouns and verbs in the movies, swearing still raises eyebrows in most public places – including at school.

Most schools have policies stating that offensive language will not be tolerated, and yet such regulations are difficult to enforce during the daily hallway din. Even the best teachers have been known to slip up and let an F-bomb slip out during an inopportune moment. Usually the one where impressionable students are within earshot.

Although the days when teachers threatened to wash out foul mouths with

a pungent bar of soap are long gone, it is still important to convey to kids that swearing gives a bad impression and can be taken as a mark of ignorance, disrespect, hostility or lack of control.

Whether in the classroom or behind the doors of the staffroom, here are some things to ponder about profanity:

- *It offends more people than you may think.* It has been reported that at least one in five people find vulgar language upsetting. While many people use profanity to vent mild anger, repetitive use can sometimes be viewed as hurtful and harassing. Of course, few people are likely to speak up about offensive language, although it may make them feel uncomfortable or intimidated.

- *Set the example that it's better to have class than be crass.* In the same way that people who dress for success are perceived to be more professionally minded, those who choose their words

carefully and speak well – even when they don't have to – are to be admired.

- *Can it be said differently?* Think about the impact of your words on any given situation. Will swearing in these circumstances be deemed as inappropriate or abrasive? Will the other party be insulted or embarrassed? Take the effort to make your point without using a four-letter expletive.

- *You sound smarter when not swearing.* Bill Cosby made millions of people laugh without using profanity or provocative language, and is highly regarded for taking the high road with his comedy. Peppering conversations with ineffective and unimaginative curse words doesn't make you sound particularly articulate or intelligent. Become a model of restraint by making an effort to express yourself in clean, clever language – at least within earshot of students, school visitors and fellow staff members.

## WHAT'S WRONG WITH SWEARING?

When your students ask, "What's the big deal about a few expletives?" remind them that:

### 1. Swearing Imposes a Personal Penalty

- It gives a bad impression
- It makes you unpleasant to be with
- It endangers your relationships
- It's a tool for whiners and complainers
- It reduces respect people have for you
- It shows you don't have control
- It's a sign of a bad attitude
- It discloses a lack of character
- It's immature
- It reflects ignorance
- It sets a bad example

### 2. Swearing is Bad for Society

- It contributes to the decline of civility
- It represents the "dumbing down" of society
- It offends more people than you think
- It makes others uncomfortable
- It is disrespectful of others
- It turns discussions into arguments
- It can be a sign of hostility
- It can lead to violence

### 3. Swearing Corrupts the English Language

- It's abrasive, lazy language
- It doesn't communicate clearly
- It neglects more meaningful words
- It lacks imagination
- It has lost its effectiveness

(source: [cusscontrol.com](http://cusscontrol.com))


- *Swearing is a hard habit to break.*

If you want to reform, develop a list of substitutes in place of the nasty words you currently use to describe how something looks, smells or tastes. Use your own intelligence and imagination to find words that are funny or powerful.

- *What would Grandma do?* Condition yourself not to curse by pretending that your darling grandmother is always next to you, even in the most casual surroundings. Would she really approve of what you just said? ♣csc

## Welcome to your Virtual Campus

Bringing Post-Secondary Education to You!



### What is Campus Manitoba?

(CMB) is a partnership of universities and colleges designed to facilitate access to post-secondary education within the province of Manitoba.

### Where Do I Graduate From?

Despite the virtually seamless transfer of credits, students must choose a "home" institution which will evaluate and approve the student's application for admission, hold all earned credits and will be the university/college from which the student expects to graduate.

### What Will My Courses Be Like?

Campus Manitoba courses are delivered using a variety of interactive technologies, multimedia web support and teleconferencing. Enrolling in courses does not mean that you have to own a computer. CMB centres can provide access to computers and high speed internet. Qualified personnel are available to solve technical problems.

- Brandon University
- University College of the North
- University of Winnipeg
- Red River College of Applied Arts, Science & Technology
- Collège universitaire de Saint-Boniface
- University of Manitoba
- Assiniboine Community College

1 - 866 - 445 - 0063  
[www.campusmanitoba.com](http://www.campusmanitoba.com)

# Filling the Talent Pool

Why are so many teens able, but so few willing to pursue technology careers?  
by Barbara Chabai



Although most teens are tech junkies, imagining future careers in this field turns them tech phobic, says Edward E. Gordon, a jobs strategist and author of *Winning the Global Talent Showdown: How Businesses and Communities Are Partnering to Rebuild the Jobs Pipeline* (Bk Business).

A wake-up call to parents, educators and industry, Gordon's book points out that unless there is a major shift in attitude about technical occupations, millions of North American jobs will remain vacant and the global economy will suffer from a quickly-emptying talent pool.

**CSC: What factors are contributing to young people's general disinterest in tech careers?**

**Ed Gordon:** First of all, the Baby Boomers who are now retiring were raised in the era of the arms race and the space race. As a result, they were given a tremendous amount of math and science in school and a high proportion of them went into tech-related careers. Science, math and technology was pushed very hard for a long time until it gradually waned in the 1980s and 90s. The levels of math and science education have deteriorated markedly in most schools ever since.

Then there are the parents and teachers. Most parents don't think their kids need any more math and science education than

they are already getting. At the same time, most teachers do not have degrees in math and science. They have taken various courses in those subjects, but as teachers, they themselves are usually liberal arts graduates. Therefore, they tend not to discuss career possibilities in areas other than those with which they are most familiar.

Finally, some fault lies with corporations that do not disseminate enough career information to the public. They do not share their employment outlook out of fear that disclosing this "proprietary information" may give an advantage to their competitors. It's unfortunate because many of these careers are technologically complex and so what people do in these establishments largely remains a mystery to most of us.

**CSC: Your book says we are entering the "Cyber-Mental Age." What does that mean?**

**Ed Gordon:** There have been five labour-market eras in human history: prehistory, the Agriculture Age, the Industrial Age, the Computer Age and now, we are on the cusp of a new era I call the Cyber-Mental Age. The technology that will be introduced in the next 10 years will spawn new products and services that may very well exceed what we have seen in the last 50 years. Advancements in nanotechnology and biotechnology will lead to an explosion in job opportunities in whatever country has developed the skilled workforce to exploit these areas.

The jobs that will emerge in the Cyber-Mental Age are not

all tech jobs per se, but they will all require higher levels of reading, comprehension, math and science even if they aren't involved in making the product. People will need to understand how to use the products properly, no matter if they are working in schools, hospitals, law firms or in auto repair shops. Put it all together and it means better paying job opportunities will revolve around technology.

**CSC: Has society passed on a tech-career stigma to younger generations?**

**Ed Gordon:** I believe we have misrepresented the area of technology as something that is beneath us. We tell our kids that this is something that is inferior - only "geeks" go into these areas; these are not "dream" jobs. Well, I have news for you: the heroes of the next decade are not going to be those working on Wall Street. In fact, if you're wondering what jobs are going to grow in the future, the current estimates are for zero to one per cent growth in finance, insurance and real estate. The growth is going to be for people who are designing, manufacturing, marketing and maintaining all those high-tech devices that we will be using. The demands of the labour market are always ahead of current career aspirations. The problem now is that things are changing so rapidly that we are out of whack with reality.

**CSC: So kids who want to grow up to be lawyers or teachers are out of luck?**

**Ed Gordon:** No, not at all. I'm not saying that children's

aspirations to become teachers, lawyers, or managers should be abandoned in favour of rushing off to become "tech geeks." But what I am saying is that we've got to preserve the proportionality of our workforce by replacing all those retiring tech people and as more new technology is introduced, we need qualified individuals ready to step into those roles.



Ed Gordon

**CSC: At what age should kids be exposed to tech career fields?**

**Ed Gordon:** Children begin to think about their careers in elementary school and that continues through high school. Along the way, they need to be exposed to a variety of careers by having people come to their schools and talk to them about their jobs, by touring worksites and by doing job shadowing, internships or apprenticeships. We also need to give parents information in terms of what jobs are and will become available in their province and city, including what are the educational requirements and salary ranges.

While they are still in elementary school, children also >

Find and apply to over 24,000 Canadian scholarships.

**SCHOLARSHIPS CANADA.com**  
a part of the schoolfinder network

need to have their aptitudes and interests assessed. Some have strong literary intelligence, some are mathematically or musically inclined, some excel in fine gross motor skills, while others are better with depth and special perception or interpersonal skills. Usually, we are a combination of all these things but we have unique strengths and weaknesses pre-programmed into our brain. Children need to be assessed when they are young so that we can build on their natural aptitudes and expose them to different ways of acquiring

information, not just one or two as we do now.

**CSC: What role will education and aptitude play in the Cyber-Mental Age?**

**Ed Gordon:** People will need a well-rounded liberal arts education as they are going to have to read well. At the same time, children with the aptitude and the interest in these STEM (science, technology, engineering and math) areas will obviously need more specialized education. Some of this can be introduced in elementary school, further supported throughout high school and then carried out at the post-secondary level with four-year degrees, three-year degrees, certificates or apprenticeship college.

**CSC: So, not every high school graduate will need to attend university?**

**Ed Gordon:** As it stands right now, every student will require some form of post-secondary education in order to land the higher-skilled, better paying jobs. However, only about 40 per cent will need a four-year degree to fill jobs that will be available in the next 10 years. The rest will need three-year degrees, certificates or apprenticeships to start. What we need is for high schools to be preparing students for graduation and then to go on to post-secondary career training.

**CSC: What can guidance counsellors do to prepare students for current job demands?**

**Ed Gordon:** The education-to-employment system in Canada and the U.S. is broken. It worked well in the 1960s and 70s, but that era is over forever and we now need to update the system. That requires collaboration between business, government, schools, unions and parents if we are going to prepare our students for current job demands. Guidance counsellors can encourage their schools to partner with their local Chamber of Commerce or business associations to begin collaborating with them and to provide relevant career information for students and parents so that they know what's coming ahead. Educators are in a difficult position because much of the time, parents have a mental model as to what they want their kids to do in the future and they influence their child's attitudes. We need to shake up that model in order to better transition from where we are now to where we're going to be. 🌱CSC



NORTHWEST COMMUNITY COLLEGE

Supporting  
**Aboriginal learners**

*Customized aboriginal programs include:*

- First Nations Fine Arts
- First Nations Access to Practical Nursing
- First Nations Home Support/Residential Care Attendant
- Aboriginal Mental Health & Addictions
- Aboriginal Wellness & Fitness
- First Nations Early Childhood Education
- Associate Degree in Arts – First Nations Studies

**PLUS** Arts, Business, Computer Technology, Health, Social Services, Science, Tourism and Trades programs.



**nwcc.bc.ca**  
1.877.277.2288

 **NORTHWEST**  
COMMUNITY COLLEGE  
Take a closer look.



## Students! Come to the Virtual Mining Career Fair and discover YOUR new JOB.

It's easy! No need to travel or change out of your P.J.'s to connect with employers from all across Canada. Chat with company reps and apply for jobs online from your computer. The Fair goes live on January 27<sup>th</sup> and runs until February 26<sup>th</sup>, 2010. Simply go to: [www.virtualminingcareerfair.ca](http://www.virtualminingcareerfair.ca) and fill out the online form to be part of this innovative job hunt experience!



[www.VirtualMiningCareerFair.ca](http://www.VirtualMiningCareerFair.ca)

January 27<sup>th</sup> 2010

Presented by:    
HUMAN RESOURCES HUMAN RESSOURCES COUNCIL  
 CONSEIL DES RESSOURCES HUMAINES DE L'INDUSTRIE MINIERE  
 Funded in part by the Government of Canada's Sector Council Program



**TYNDALE**  
University College

[www.tyndale.ca](http://www.tyndale.ca)

Toronto's Christian University

### Programs of Study:

#### Bachelor of Arts degrees: (4 yr BA)

- Business Administration\*
  - Business Administration - International Development\*
  - English\*
  - History\*
  - Human Services
  - Philosophy\*
  - Psychology\*
  - Religious Studies\*
    - Pastoral Ministries, Youth Ministries, Intercultural Studies
- \*BA Honours degrees are available in these programs.

#### Bachelor of Religious Education degrees: (3 yr BRE)

- Pastoral Ministries, Youth Ministries, Intercultural Studies
- Degree Completion, Modular

#### Bachelor of Education (Consecutive 1 yr B.Ed)

#### One-year Certificates

Home of Canada's Most Satisfied Students, as reported in Maclean's Magazine.



Find the career that's right for you.



# Office Interruptus

As it turns out, unplanned disruptions can be beneficial to a busy workday

by Barbara Chabai

**We interrupt your work day to bring you this important** bulletin: the average amount of time we spend on a single activity before being interrupted or switching to another task is a measly three minutes.

Isn't it hard to get a lot done in only 180 seconds, you ask?

Well, even if you believe you spend eight hours a day at your desk, you actually only spend a brief time focused on one task before your concentration is broken by a phone call, another person or another desk-top distraction. In a sense, we don't put in one long work day, but a series of multi-minute work blocks that fill an eight-hour period.

Interestingly, we auto-interrupt ourselves by switching tasks almost as often as we get interrupted by other people. No one is

certain as to why we cause interruptions of our own volition.

It could be a product of a multitasking society – fulfilling a need to complete a large number of tasks in a short span of time – or the brain's clever way of detouring away from more taxing matters.

Regardless, interruptions are inevitable. And according to a study by researchers at the University of California, Irvine, they may actually be beneficial in helping to impart vital information (a light bulb flicks on with a sudden flash of brilliance), promote social interaction and even relieve boredom or stress.

In the study, researchers observed workplace interruptions inside one day. The good news is that 81.9 per cent of interrupted work was resumed. The bad news? It took nearly 24 minutes for the interrupted person to regain their focus.





## LESSENING THE DISTRACTION

If you find you are too often the victim of distraction, try lessening the amount of interruptions in your workday. Turn off your cell phone, close your office door, wear a headset, forward your phone calls, limit personal e-mails, reconfigure your

desk or design a “do not disturb” signal to let others know when you’ve got your nose to the grindstone.

Understanding the meaning and function of daily interruptions can help us handle unforeseen circumstances and their effect on our personal productivity. Some of us will always be more sensitive

to external stimuli just as some of us will be more adept at getting back down to business after a brief work stoppage.

In either case, how we manage interruption is our choice – we can ignore the distraction, or every once in a while, give in to it. You never know where it may lead. ♣csc

### FOUR TYPES OF INTERRUPTIONS

An article published in the *Academy of Management Review* defines the four interruptions that we regularly encounter in the course of any given work day:

#### DISTRACTIONS

Usually considered a hindrance, distractions have a way of stealing away valuable time and therefore, tend to get a bad rap. Common distractions can include anything from a grumbling stomach or a fire drill to a loud-talking colleague or a towering stack of paperwork begging to be filed.

#### INTRUSIONS

These external interruptions arrive in the form of unexpected visitors at your door or out-of-the-blue phone calls. The big drawback is that unless you are able to curb the timing or limit the length of the intrusion, you have no control over the time spent on it instead of on what you are supposed to be doing.

#### DISCREPANCIES

These occurrences interrupt your brain flow – the automatic processing of information – by redirecting your attention to an unexpected inconsistency. Think of the frustration of nearly completing an administrative report when a colleague suddenly informs you that your figures are inaccurate because you forgot to factor in some important data. Oops.

#### PLANNED BREAKS

This includes any premeditated recess: lunch hour, washroom breaks, taking part in an educational seminar or attending a staff meeting.



**EXPLORE YOUR OPTIONS.  
PURSUE YOUR DREAMS.**

# BE MORE.

With an innovative approach to first-year studies and more support for students, the University of Manitoba offers endless possibilities. There's no limit to where you can go from here.

**More courses, more options, more futures.**



**UNIVERSITY OF MANITOBA**

**ITSMYFUTURE.CA**



NIAGARA PARKS  
**SCHOOL of  
HORTICULTURE**

**Your Best Start to a  
Horticulture Career**

**Passionate about horticulture?**

The **Niagara Parks School of Horticulture** delivers the only 3-year diploma program, providing:

- Leading-edge academic experience
- Unique practical training in an outdoor classroom ~ the world-renowned *Niagara Parks Botanical Gardens*
- Extensive faculty interaction with students
- 100% job placement record
- Accredited by the Professional Landcare Network (PLANET)

**Apply each June for enrolment  
commencing the following March**

Visit [www.schoolofhorticulture.com](http://www.schoolofhorticulture.com)  
for application details.

**See Website for Six \$1,000 Entrance Scholarships**

NIAGARA PARKS SCHOOL OF HORTICULTURE



**Opticians  
Programs**

*Opticians Make A Difference*

*As a Licensed Optician you are an important  
part of the vision health care team.*

*An eyeglass or contact lens prescription is just a set of numbers  
without a Licensed Optician. A Licensed Optician turns those  
numbers into better vision for their patients.*

**An Optician:**

*counsels  
educates  
understands & applies visual science  
retails  
markets  
is a fashion advisor  
invents vision solutions*

- *Online courses allow you to study when it suits you.*
- *Earn while you learn: Don't graduate with crushing  
educational loans*

*Canadian Opticians have signed a Mutual Recognition  
Agreement. Upon course completion you will be  
able to apply for licensing in all Canadian provinces  
except Quebec.*

**For Informaiton on How to Become A  
Licensed Optician visit our website at  
[www.opticians.ca](http://www.opticians.ca)**

**CSTEC CCCES**



Canadian Steel Trade & Employment Congress  
Conseil canadien du commerce et de l'emploi dans la sidérurgie

**Canada's Community  
Colleges and CSTEC**

Preparing apprentices for new careers  
in the skilled trades

Preparing students for manufacturing  
jobs of the future

Providing employees the skills they will need

Helping unemployed workers  
find new careers

**A Proud 20 Year  
Partnership of Success**



Find Out More  
[www.cstec.ca](http://www.cstec.ca)



*Encounters  
WITH CANADA*



*Rencontres  
DU CANADA*

**Exploring together**

**A citizenship and leadership program  
in your Nation's Capital**

**Spend a week at Canada's largest youth forum!**

The absolute Canadian bilingual Experience for  
high school students (14-17).

[www.encounters-rencontres.ca](http://www.encounters-rencontres.ca)

**1-800-361-0419**

Travel costs covered. Register TODAY!

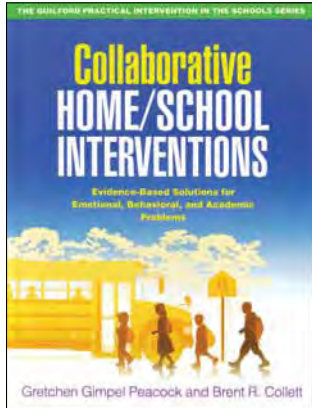
UN PROGRAMME DE  
A PROGRAM OF THE



Canadian  
Heritage

Patrimoine  
canadien

**Canada**

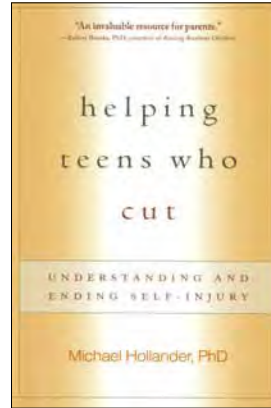


## COLLABORATIVE HOME / SCHOOL INTERVENTIONS

By Gretchen Gimpel Peacock, PhD and Brent R. Collett, PhD  
Guilford Press

This reference guide, subtitled “Evidence Based Solutions for Emotional, Behavioral and Academic Problems,” is designed to be a bridge between the home/school

connection by building positive relationships, actively involving parents in assessment and intervention as well as overcoming barriers to collaboration. In addition to offering the latest research, recommendations and practical communication tools for collaborating with families to achieve the best outcomes for students for, this large-format book includes more than 40 ready-to-use reproducibles for school-based professionals.



## HELPING TEENS WHO CUT

By Michael Hollander, Ph.D.  
Guilford Press

Discovering that a teen you know “cuts” is terrifying and may leave you wondering how best to address the behaviour without pushing him or her further away. This compassionate and straightforward book by a leading authority on self-injury presents the motivations behind cutting,

how to talk to the teen about the matter and which treatments have been found to be most effective. The author draws on his years of clinical experience to address practical communication and problem-solving skills, ways to support the teen during their recovery and the importance of teaching them how to cope with extreme emotions without resorting to self-injury.

Personalized  
service and  
information for  
guidance counsellors

It starts here»



uOttawa

Liaison Office  
University of Ottawa  
550 Cumberland (088)  
Ottawa, Ontario K1N 6N5  
1-877-UOTTAWA, Extension 5779  
613-562-5779  
liaison@uOttawa.ca

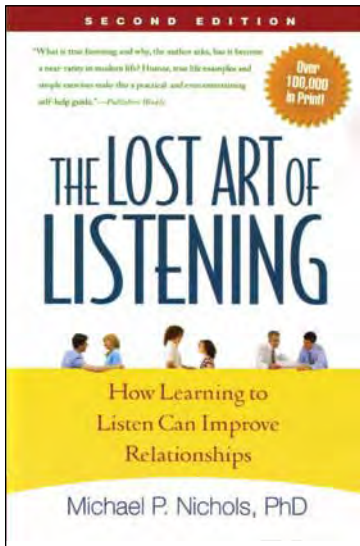
Services personnalisés  
et information  
pour les conseillers  
en orientation

Ça part d'ici»



uOttawa

Bureau de liaison  
Université d'Ottawa  
550, rue Cumberland (088)  
Ottawa (Ontario) K1N 6N5  
1-877-UOTTAWA, poste 5779  
613-562-5779  
liaison@uOttawa.ca

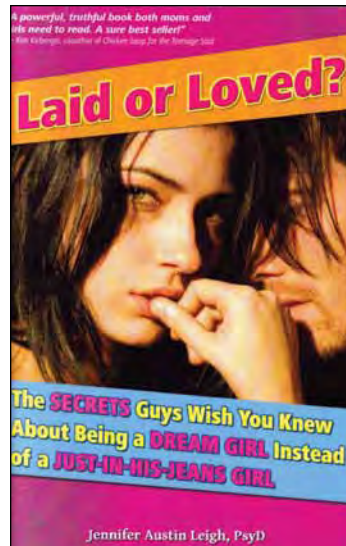


## THE LOST ART OF LISTENING

By Michael P. Nichols, Ph.D.  
Guilford Press

The act of listening seems so basic that we take it for granted. But unfortunately, most of us think of ourselves as better listeners than we actually are. In this thoughtful, witty and empathetic book designed to help readers break through conflicts and transform their personal

and professional relationships, experienced therapist Mike Nichols discusses why we so often fail to connect when speaking with others and how emotional reactions get in the way of real communication. Through Nichols' vivid examples, easy-to-learn techniques and practical exercises, become a better listener - and make yourself heard and understood, even in difficult situations.

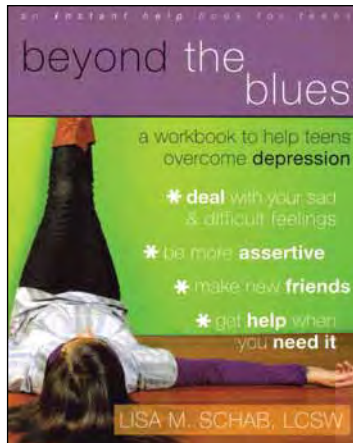


## LAI D OR LOVED?

By Jennifer Austin Leigh, PsyD  
Ignite Reality

The telling subtitle of life coach Dr. Jenn's book is, "The secrets guys wish you knew about being his Dream Girl instead of a Just-In-His-Jeans Girl." Considering today's oversexed teen culture punctuated by casual hookups and texting racy photos, the time is now for a straight-up book aimed at young women. With empowering chapters

like "Don't Sell Yourself Short" and "Love Doesn't Look Like This," readers may be lured to read *Laid Or Loved?* because of its promise to reveal what guys are secretly thinking, but they will actually be absorbing the author's caring and compassionate message of self-respect.



## BEYOND THE BLUES

By Lisa M. Schab, LCSW  
New Harbinger

These workbooks, part of the publisher's Instant Help Book series, offer thought-provoking and heartfelt exercises to teach teens how to manage hard-to-talk-about issues in their everyday lives. The activities in *Beyond the Blues* can help young readers recognize and deal with signs of depression, handle sad feelings, find new friends and interests and deal with conflict. Little by little and on their own schedule, they can make small changes in their life that will

## COPING WITH CLIQUES

By Susan Sprague  
New Harbinger

lead them to a brighter and more enjoyable future. *Coping with Cliques* reaches out to teens that may be the target of snubbing, teasing or gossip and shows how to develop confidence and avoid getting caught up in the hurtful pattern of behaviour. Both workbooks contain activities that can be used for individual completion or as a guide to foster a meaningful discussion between student and guidance counsellor – while offering ways to cope and reasons to have hope. ♣ CSC



The educational book titles featured in "On the Bookshelf" may be found at most retail and online booksellers or directly ordered from the book publishers through their websites.

**CERTIFIED BOOKKEEPERS**  
STAND OUT FROM THE CROWD

- Knowledgeable
- Reliable
- Professional

**YOUR STUDENTS CAN STAND OUT TOO**

**CANADIAN INSTITUTE OF BOOKKEEPING**

P.O. Box 963, 31 Adelaide Street East  
Toronto, ON, M5C 2K3, Canada

Tel: (416) 925-9420 Fax: (416) 929-8815  
E-mail: info@cibcb.com www.cibcb.com

STUDY AT CANADA'S  
LEADING THEATRE TRAINING INSTITUTION

APPLICATION

2010-2011

**National Theatre School**  
of Canada

- ACTING  
- PLAYWRITING  
- DIRECTING  
- SET AND COSTUME DESIGN  
- PRODUCTION

**REGISTRATION DEADLINE DATE**  
**JANUARY 31**  
2010

REGISTER ON-LINE [ENT-NTS.CA](http://ENT-NTS.CA)  
:: 1 866 547-7328 :: 514-842-7954

proud supporter of the NTS



## Teens Loving School More in 2010 than in 2000

According to leading Canadian sociologist Reginald Bibby, students are enjoying school now more than ever. A nationwide survey of 5,500 teens reports that:

- 53 per cent of students say they get high levels of enjoyment from school – the largest concentration reported since the early 1980s.
- Nearly half of the teens surveyed say that teachers significantly influence their lives – more than TV, Internet and advertising.
- Teens' confidence in educational leaders is higher than leaders in other sectors, including police, government, courts and the media.
- 84 per cent say that they feel safe at school, up from 78 per cent a decade ago.

Bibby, professor of sociology at the University of Lethbridge and author of *The Emerging Millennials*, believes credit is due to more harmonious home and school environments. He says most of today's teens have better relationships with their parents and are therefore happier. At the same time, educators have equipped themselves to better meet students' needs and properly address concerns such as violence and bullying.

*Talkback: Tell us what you think! We welcome your input, ideas and inspirations to share with fellow guidance counsellors. Reach us at: [info@marketzonepro.com](mailto:info@marketzonepro.com).*

# What is a Boilermaker?

Though many Canadians may not be familiar with the Boilermakers, almost all Canadians benefit from the work of the Boilermaker trade. Advanced Boilermaker technologies are critical in the construction and operation of most industrial plants and power generating facilities. Whether filling up at the gas station or simply turning on a light switch, the work of Boilermakers has helped to provide many of the conveniences that we rely on in our daily lives. In order to continue to maintain these simple amenities, Canadians will look to the next generation of Boilermaker Apprentices to carry on this critical work.



## Earn While You Learn

The Boilermaker apprenticeship operates on the premise of earn while you learn. Along with classroom instruction, the majority of an apprentice's training takes place on the job site, while receiving a competitive wage and benefit package. Training not only includes generations of time tested Boilermaker know how, but also industry leading technologies.



## Safe Working Conditions

From lifestyle choices to career selection, young people have to make important decisions that will affect their wellbeing. Safety is an excellent reason to consider a career as a unionized Boilermaker. Working together, the Boilermakers Union and their Contractors have significantly improved safety standards for workers.



## Exciting Career Opportunities

Now is the time to focus on your future. To find out more about the many rewarding career opportunities available to the next generation of Boilermakers and the apprenticeship opportunities available to you, visit: [www.boilermaker.ca](http://www.boilermaker.ca) and [www.bcacanada.ca](http://www.bcacanada.ca)



# UNIVERSITY OF TORONTO SCARBOROUGH

Over 75 paid Co-op options  
Internships  
Field Experiences  
Science Engagement  
Student Exchanges  
Study Abroad

Joint University-College programs  
Teacher Education  
Visual & Performing Arts  
Leadership Development  
Mentorship  
Volunteerism

## WHERE STUDENTS LEARN BY DOING

[www.utsc.utoronto.ca/admissions](http://www.utsc.utoronto.ca/admissions)



### MANAGEMENT

- + MANAGEMENT
- + MANAGEMENT & ACCOUNTING
- + MANAGEMENT & FINANCE
- + MANAGEMENT & HUMAN RESOURCES
- + MANAGEMENT & INFORMATION TECHNOLOGY
- + MANAGEMENT & MARKETING
- + STRATEGIC MANAGEMENT
- + ECONOMICS

### ARTS

#### SOCIAL SCIENCES

- + ANTHROPOLOGY
- + CITY STUDIES
- + DIASPORA & TRANSNATIONAL STUDIES
- + GEOGRAPHY
- + HEALTH STUDIES
- + INTERNATIONAL DEVELOPMENT STUDIES
- + INTERNATIONAL STUDIES
- + POLITICAL SCIENCE
- + PUBLIC POLICY
- + SOCIOLOGY

### HUMANITIES

- AFRICAN STUDIES
- + ART & CULTURE
- + ART HISTORY
- + ARTS MANAGEMENT
- CLASSICAL STUDIES
- + DRAMA
- + ENGLISH
- + FRENCH
- GLOBAL ASIA STUDIES
- + HISTORY
- INTERSECTIONS, EXCHANGES, ENCOUNTERS IN THE HUMANITIES
- + JOURNALISM\*
- + LINGUISTICS
- MEDIA STUDIES
- + MUSIC & CULTURE
- + NEW MEDIA STUDIES\*
- + PHILOSOPHY
- + PSYCHOLINGUISTICS
- RELIGION
- + STUDIO (FINE ART)
- + WOMEN'S & GENDER STUDIES

### SCIENCE

#### LIFE SCIENCES

- **BIOLOGICAL SCIENCES**
- + CELL & MOLECULAR BIOLOGY
- CONSERVATION BIOLOGY
- HUMAN BIOLOGY
- + INDUSTRIAL MICROBIOLOGY\*
- INTEGRATIVE BIOLOGY
- + PARAMEDICINE\*

#### LIFE SCIENCES - PSYCHOLOGY

- + MENTAL HEALTH STUDIES
- + NEUROSCIENCE
- + PSYCHOLOGY

#### COMPUTER SCIENCE

- + · COMPREHENSIVE STREAM
- + · INFORMATION SYSTEMS STREAM
- + · SOFTWARE ENGINEERING STREAM
- + · JOINT MATHEMATICS STREAM
- + · JOINT PHYSICS STREAM
- + · JOINT STATISTICS STREAM

### SCIENCES

- + ASTROPHYSICS & PHYSICS
- + BIOCHEMISTRY
- + BIOLOGICAL CHEMISTRY
- + CHEMISTRY
- + ENVIRONMENTAL BIOLOGY
- + ENVIRONMENTAL CHEMISTRY
- + ENVIRONMENTAL GEOSCIENCE
- + ENVIRONMENTAL PHYSICS
- + ENVIRONMENTAL SCIENCE & TECHNOLOGY\*
- + ENVIRONMENTAL SCIENCE
- + MATHEMATICS
- + NATURAL SCIENCES
- + PHYSICAL & MATHEMATICAL SCIENCES

- + PHYSICAL SCIENCES
- + PHYSICS & ITS APPLICATIONS
- + QUANTITATIVE ANALYSIS
- + STATISTICS

### CONCURRENT TEACHER EDUCATION

- + CONCURRENT TEACHER EDUCATION/ARTS - FRENCH
- + CONCURRENT TEACHER EDUCATION/SCIENCE - CHEMISTRY, MATHEMATICS OR PHYSICS

- + Paid Co-op Option Available
- + Internship, Field Experience, Experiential Learning available
- + Joint program with Centennial College

OUTSTANDING FACULTY. LEADING RESEARCH. VIBRANT STUDENT LIFE.



UNIVERSITY OF  
**TORONTO**  
SCARBOROUGH



# Outserts

# Outserts



Government  
of Canada

Gouvernement  
du Canada

# Canada Student Loans and Grants



Highlights for  
*Students*

[CanLearn.ca](http://CanLearn.ca)

**G**etting a university, college or trade school education has never been more important.

Canada Student Loans and Grants, together with provincial or territorial student assistance programs, make getting an education more affordable for students from low- and middle-income families.

Recent changes to federal student financial assistance mean more money is available in grants, so you will have less debt to repay and more flexibility in how and when you repay your loans. Grants do not need to be paid back.

## What's available in loans?

- » Up to \$210 per week in federal loans for full-time students. (Provincial and territorial governments also offer student loan programs.)
- » Up to \$10,000 in federal loans for part-time students.

## What's available in grants?

- » **New!** \$250 per month of study for full-time students from low-income families.
- » **New!** \$100 per month of study for full-time students from middle-income families.
- » \$1,200 per year in grants for part-time students from low-income families.

These grants can be combined with those available for students with permanent disabilities and for students with dependants.

## Am I eligible?

To be eligible, you must be:

- » a Canadian citizen, permanent resident or a protected person; and
- » accepted to or enrolled in a degree, diploma or certificate program of at least 12 weeks at a designated post-secondary institution.

Canada Student Grants for students from low- or middle-income families are available each year of an undergraduate university, college or trade school program that is at least two years (60 weeks) in duration.

Visit [CanLearn.ca](https://www.canlearn.ca) or contact your provincial or territorial student aid office for details on all eligibility criteria.

## Are Canada Student Loans and Grants available where I live?

Canada Student Loans and Grants are available across Canada, except for students whose permanent address is in Quebec, the Northwest Territories or Nunavut.

Canada Student Loans and Grants are integrated with provincial programs in Saskatchewan, Ontario, New Brunswick, and Newfoundland and Labrador. The name may be different, but the same level of federal assistance is available.

## How do I apply?

- » Apply through your provincial or territorial student aid office. Visit [CanLearn.ca](https://www.canlearn.ca) for links and contact information.
- » Submit the application directly online, or print the application, complete it by hand, and submit it as directed.
- » Paper forms may be available at your educational institution or provincial or territorial student aid office.
- » Read all the instructions before you start filling out the application.

When you qualify for a loan, your eligibility for Canada Student Grants will be automatically assessed. (A separate application is needed only for the Grant for Services and Equipment for Students with Permanent Disabilities.)

Some things to remember before you apply:

- » You only need to pay back loans, not grants.
- » While in school, you can earn up to \$50 a week without it affecting how much assistance you can get.
- » Merit-based scholarships (up to \$1,800 per school year) and certain bursaries do not affect the amount of loans and grants you can get.

## How much money can I get?

Use the Student Loan Estimator on CanLearn.ca to get an idea of how much you may qualify for.

The amount of money from loans and grants you get depends on:

- » the province or territory in which you reside;
- » your education-related costs, such as tuition and fees, books and supplies, and computer-related costs; and
- » sources of funding such as savings, scholarships and bursaries, earnings from a summer job, and expected parental or spousal contributions.

## When do I repay my student loan?

- » You begin repaying your student loans six months after you graduate or stop going to school on a full-time basis.
- » During this six-month grace period, you will not be asked to make loan payments, but interest will accumulate on your loan.

If you have difficulty paying back your loan, the Repayment Assistance Plan will allow you to only pay back what you can reasonably afford. In certain cases, you would not have to make any loan payments until your income increases.

## Are Canada Student Loans and Grants right for me?

Government student loans and grants are just one option to consider when you are looking to pay for school.

Explore other options, including applying for scholarships and saving more money while you are working, so that you borrow only what you really need.



**For more information, visit:**

Canlearn.ca

National Student Loans Service Centre

P.O. Box 4030

Mississauga ON L5A 4M4

Toll Free: 1 888-815-4514 (within North America)

TTY: 1 888-815-4556

This publication is also available in alternative formats (Braille, CD, large print, computer diskette, or audiocassette) by calling 1 800 0-Canada (1-800-622-6232). TTY users should call 1-800-926-9105.

Cette publication est aussi disponible en français, sous le titre *Le Programme canadien de prêts et bourses – Points saillants pour les étudiants.*



**For more  
information,  
visit  
CanLearn.ca**

Ca. No.: HS48-4/2009  
ISBN: 978-0-662-06582-1



Gouvernement  
du Canada

Government  
of Canada

# Le Programme canadien de prêts et bourses



Points saillants pour  
*les étudiants*

[Cibletudes.ca](http://Cibletudes.ca)



**A**ujourd'hui plus que jamais, il est important d'être titulaire d'un diplôme d'études universitaires, collégiales ou professionnelles.

Le Programme canadien de prêts et bourses, combinés aux programmes d'aide aux étudiants offerts par les provinces et territoires, rendent les études plus abordables pour les étudiants issus de famille à revenu faible ou moyen.

Les récentes modifications apportées au programme fédéral d'aide financière aux étudiants signifient que davantage de fonds seront offerts en bourses, de telle sorte que votre dette sera inférieure et que vous bénéficierez d'une plus grande latitude quant à la manière et au moment de rembourser vos prêts. Les bourses n'ont pas à être remboursées.

## Qu'est-ce qui est offert sous forme de prêts?

- » Jusqu'à 210 \$ par semaine en prêts fédéraux pour les étudiants à temps plein. (Les gouvernements provinciaux et territoriaux offrent également des programmes de prêts étudiants.)
- » Jusqu'à 10 000 \$ en prêts fédéraux pour les étudiants à temps partiel.

## Qu'est-ce qui est offert sous forme de bourses?

- » **Nouveau!** Un montant de 250 \$ par mois d'études pour les étudiants à temps plein de famille à faible revenu.
- » **Nouveau!** Un montant de 100 \$ par mois d'études pour les étudiants à temps plein de famille à revenu moyen.
- » Un montant de 1 200 \$ par année en bourses pour les étudiants à temps partiel de famille à faible revenu.

Ces bourses peuvent se combiner à celles offertes aux étudiants ayant une invalidité permanente et aux étudiants ayant des personnes à charge.

## Suis-je admissible?

Pour être admissible, vous devez :

- » être un citoyen canadien, un résident permanent ou une personne protégée;
- » être accepté ou inscrit à un programme d'une durée d'au moins 12 semaines menant à l'obtention d'un grade, d'un diplôme ou d'un certificat offert dans un établissement d'enseignement agréé.

Le gouvernement canadien offre aux étudiants de famille à revenu faible ou moyen des bourses canadiennes pour chaque année d'un programme de premier cycle d'une durée d'au moins deux ans (60 semaines) à l'échelon universitaire, collégial ou professionnel.

Vous obtiendrez tous les détails sur les critères d'admissibilité en visitant [Cibleétudes.ca](http://Cibleétudes.ca) ou par le biais du bureau d'aide financière aux étudiants de votre province ou territoire.

## **Offre-t-on des prêts et bourses d'études canadiens là où je vis?**

Des prêts et bourses aux étudiants sont offerts dans tout le Canada, sauf dans le cas des étudiants dont l'adresse permanente se trouve au Québec, dans les Territoires du Nord Ouest ou au Nunavut.

Le Programme canadien de prêts est intégré aux programmes de prêts provinciaux en Saskatchewan, en Ontario, au Nouveau Brunswick ainsi qu'à Terre-Neuve-et-Labrador. Le nom est peut être différent, mais le niveau d'aide fédérale est le même.

## **Comment faire une demande?**

- » Vous pouvez faire une demande auprès du bureau d'aide financière aux étudiants de votre province ou territoire. Le site [Cibleétudes.ca](http://Cibleétudes.ca) offre des liens ainsi que les coordonnées de personnes-ressources.
- » Vous pouvez remplir et expédier votre formulaire de demande en ligne, ou en faire imprimer un, le remplir à la main et le soumettre selon les indications fournies.
- » Il est possible que votre établissement d'enseignement ou que le bureau d'aide financière aux étudiants de votre province ou territoire fournisse des formulaires papier.
- » Lisez bien toutes les instructions avant de commencer à remplir la demande.

Votre admissibilité à un prêt entraînera l'évaluation automatique de votre admissibilité aux bourses canadiennes. (Il faut remplir une demande distincte seulement dans le cas de la Bourse canadienne servant à l'achat d'équipement et de services pour étudiants ayant une invalidité permanente.)

Voici certaines choses à retenir avant de faire une demande :

- » Vous ne remboursez que les prêts, non les bourses.
- » Tant que vous fréquentez l'école, vous pouvez gagner

jusqu'à 50 \$ par semaine sans que ce gain n'ait d'incidence sur l'aide que vous pouvez obtenir.

- » Les bourses fondées sur le mérite (jusqu'à 1 800 \$ par année scolaire) ainsi que certaines autres bourses n'ont aucune incidence sur le montant des prêts et bourses que vous pouvez obtenir.

## Combien d'argent puis-je obtenir?

Utilisez l'estimateur de prêt aux étudiants sur [Cibleétudes.ca](http://Cibleétudes.ca) pour avoir une idée du montant auquel vous pourriez avoir droit.

Le montant que vous obtiendrez en prêts et bourses dépendra des éléments suivants :

- » votre province ou territoire de résidence;
- » les coûts liés à vos études, que vous demeuriez ou non chez vos parents;
- » les sources de financement telles que les épargnes, les bourses d'études, les gains tirés d'un emploi d'été, ainsi que les contributions prévues des parents/du conjoint.

## Quand dois-je rembourser mon prêt étudiant?

- » Le remboursement de votre prêt étudiant commence six mois après l'obtention de votre diplôme ou l'arrêt de vos études à temps plein.
- » Durant le délai de grâce de six mois, vous ne serez pas tenu de rembourser votre prêt étudiant, mais il y aura cumul des intérêts.

Si vous éprouvez des difficultés à rembourser votre prêt étudiant, le Programme d'aide au remboursement vous donne la possibilité de ne rembourser qu'un montant raisonnable en fonction de votre situation. Dans certains cas, vous n'aurez pas à effectuer de remboursement avant que votre revenu n'augmente.

## Le Programme canadien de prêts et bourses me convient-il?

- » Le Programme canadien de prêts et bourses ne représente qu'une option parmi d'autres à prendre en considération lorsque vous songez à poursuivre des études universitaires, collégiales ou professionnelles.
- » Examinez d'autres options, comme les bourses d'études et la mise de côté du maximum d'argent possible lorsque vous travaillez de telle sorte que vous emprunterez uniquement ce dont vous avez vraiment besoin.

**Pour plus de renseignements, visitez le site**  
Cibletudes.ca.

Centre de service national de prêts aux étudiants  
C.P. 4030

Mississauga (Ontario) L5A 4M4

Sans frais : 1-888-815-4514 (en Amérique du Nord)

ATS : 1-888-815-4556

Ce document est aussi offert en braille, en gros caractères, sur disquette, sur cédérom et sur audiocassette. Il suffit de composer le 1 800 O-Canada (1-800-622-6232) ou, au télécscripteur, le 1-800-926-9105.

This publication is also available in English under the title *Canada Student Loans and Grants – Highlights For Students*



**Pour en  
savoir plus,  
visitez le site**  
**Cibletudes.ca**



UR going places.  
Guaranteed.


University  
of Regina

We are the  
only university  
in Canada to  
guarantee you will  
find a great job  
within six months  
of graduation.

[Flip for Details](#)

## UR going to love that the U of R is:

- ✓ **committed to your future.** UR Guaranteed that you will find a great job six months after graduation, or we will provide you with a bursary covering up to one additional year's tuition. We are the only university in Canada who can make this promise. UR going places – guaranteed.
- ✓ **dynamic and innovative.** We feature world-class research in carbon capture, educational psychology, food safety, physics, interactive media, and are even home to a Nobel Peace Prize-winning researcher. We have a vibrant multicultural community and a gorgeous campus that has doubled in size in the last decade. This is what you'll experience at the U of R.
- ✓ **totally connected.** Everyone says they have small class sizes. The difference at the U of R is that our classes are taught by professors who truly care about your learning. And, you can get to know them as teachers, mentors, even friends.
- ✓ **the co-op champion.** The U of R was the first university in Western Canada to start a Co-operative Education program, which is available in nearly 50 disciplines and has been going strong since 1969. Our Co-op students earned nearly \$7,000,000 in 2008.
- ✓ **proud of its school spirit.** Cheer on the Cougars and Rams, live in residence with 1200 of your closest friends, hang out on the academic green, join the Debate Society, U of R Students' Union, or check out the National Student Film Festival. You will seriously love it here.



“Our students come first. Our teaching, research, and our commitment to community service all come to life through the experience of our students, tomorrow's leaders. Our confidence in their success is the foundation of the UR Guarantee.”

– Vianne Timmons, President and Vice-Chancellor, University of Regina

What's next?

Call 1-800-644-4756  
or visit [www.uregina.ca](http://www.uregina.ca)



## Nova Scotia Agricultural College (NSAC)

The Nova Scotia Agricultural College is a university specializing in agricultural and environmental sciences, business and engineering. For over 100 years, NSAC has been educating bright students from all over the world!

One of NSAC's greatest advantages is the small-school atmosphere we provide our students. Our class sizes are legendary for creating the most prepared graduates. Small classes ensure that our students receive more personal attention, building the confidence they need to succeed.

Our programs are designed to teach a combination of theory with exceptional hands-on experiences. Our students learn in labs and high-tech facilities that are used by our research team.



### What Our students have to Say!

- 94% of NSAC students are satisfied with their decision to attend NSAC
- 89% of NSAC students are satisfied with overall quality of education
- 98% of NSAC students are satisfied with their average size of classes
- 96% of NSAC students agree that at NSAC professors treat students as individuals, not numbers

### Education Options

- NSAC offers a Bachelor of Science in Agriculture in the following disciplines: Business, Economics, Animal Science, Aquaculture, Bio-Environmental Systems Management, Environmental Sciences and Plant Science. Students can also take a Bachelor of Technology (B.Tech) in Environmental Horticulture and Applied Science.
- Students can enter one of our two year Technology Diplomas in the following disciplines: Diploma in Enterprise Management in Companion Animal, Dairy Farm, Equine, Farming and Green

house and Nursery; Environmental Horticulture, Plant Science and Veterinary Technology.

- NSAC also offers specialized studies such as a two year Pre-Veterinary Medicine program as well as the first two years of an Engineering Degree.
- Students are able to take several credits that are transferrable to other institutions, as outlined in "Begin Your Journey at NSAC."

### Learning Environment

- NSAC delivers a 12:1 student-to-faculty ratio, which means more individualized support and more customized teaching and learning
- Our campus greenhouses, laboratories, aquaculture facilities and a modern farm complex allow NSAC students to learn in an experiential, hands-on environment
- NSAC students use the same advanced facilities as NSAC faculty and researchers
- NSAC currently ranks #2 in research intensity among the 16 Atlantic Canadian universities  
*(Source: Research Infosource Inc.)*

**nsac.ca**



## NSAC Campus - Over 400 Acres to learn from!

At NSAC, we consider our 400 acre campus a 'Living Lab', where students are able to work inside and out of the class room. We offer both degree and technical studies, and continue to be known for our unique program offerings. On-campus greenhouses, high-tech laboratories, extensive aquaculture facilities, and a modern farm complex offer students the opportunity to experience first-hand what they are studying.

## A Message from NSAC Students:

"You don't just sit in a classroom and write notes, you go out and work with the animals. In one year in the pre-vet program U have learned so much!" *Jolene Cycles, 3rd Year Student*

"What makes NSAC different from other universities is definitely its size and the attention you are given by your professors and the staff. The close-knit community here at the AC allows you to feel connected to your surroundings and peers" *Kaylah Jenne, 4th year Student*

"The best thing about AC to me is the size of the classes and the campus, being able to learn a lot from professors by asking questions and getting a detailed answer, and also the fact that most of my professors are industry professionals that know about careers, summer job opportunities and have extensive experience" *Sean MacDonald, 4th Year Student.*

## What our International Students have to say

"I think the courses here are very valuable and I learned things that can help me make a positive difference. The professors are always willing to help students." *Robert Liu (China)*

"NSAC is a relatively small university so you get to know it quite well! And they take good care of their international students. NSAC offers a new perspective on life; a new experience. Go for it!! If you want to study abroad, learn English and experience (Canada) I think you will like NSAC and Nova Scotia." *Karine Kjellberg (Norway)*

"Small class size at NSAC helps international students keep up with their work. It is easier to ask questions and the professor can help me individually. Even in the larger classes, professors are very kind and friendly. They make every effort to make me feel comfortable." *Makiko Maeda (Japan)*

"Many of the faculty members are a lot friendlier than I have experienced throughout my academics. It (NSAC) is located in a very quiet locale and I like this ambience." *Sowmya Subramanian (India)*





# VCC INFO NIGHT

140 programs. One night.  
Everything you need to know.

**APRIL 14, 2010**  
4 PM to 6 PM

**BROADWAY CAMPUS**  
1155 East Broadway

More info:  
**VCC.ca**

Vancouver  
Community  
College 



**Vancouver Community College  
is everywhere – from top  
restaurants and fashion runways  
to auto shops and hospitals.**



## VCC is here.

We're B.C.'s No. 1 college – and for more than 40 years we've given students the hands-on skills they need to start their careers. Our graduate placement rates are among the highest in the province.

**Call 604.443.8453**

or see online at **vcc.ca** for details on any of VCC's 140 programs.



**Vancouver  
Community  
College** 

**vcc.ca**

School of Arts and Sciences School of Music Centre for Transportation Trades  
Centre for Continuing Studies Centre for Design School of Health Sciences  
School of Instructor Education School of Language Studies School of Hospitality



# Mechanical Techniques and Technician – Tool and Die Machining

Do you have **students** who...

- Are **mechanically-inclined**?
- Have strong **computer skills**?
- Are good **problem-solvers**?
- Are interested in **pursuing a trade**?

...then encourage them to consider **Cambrian College's Mechanical Techniques and Technician – Tool and Die Machining** programs to help get them on a path towards a rewarding career in the skilled trades (see reverse for program details).

## Machinists Are Part of Our Everyday Lives

Tool and die machining has traditionally been associated with careers in the automotive industry, but the reality is that skilled machinists may find employment opportunities in a variety of industries, including:

- Aerospace
- Medical equipment
- Cabinetry
- Custom design and manufacturing
- Maintenance repair
- Mining
- Automotive
- Military equipment
- Prosthetics

The reason that there are so many employment opportunities for machinists is because many of the products that we use in everyday life – from eyeglasses, household appliances, and toys to snowboards, cars, and computers – are manufactured and provided from molds, dies, or tools that are created and assembled by machinists.



## Profile of a Machinist

Machinists have good mathematical and computer skills, are mechanically-inclined, and are problem-solvers. They are able to:

- Work from blueprints to plan the sequence of operations necessary to manufacture components.
- Use computer-aided design (CAD) to electronically develop drawings of parts to be manufactured.
- Use computer-aided manufacturing (CAM) to develop components and parts.
- Use machining skills to cut, drill, or bore and then assemble parts.
- Perform finishing tasks such as filing, grinding, and polishing surfaces.
- Check the accuracy of parts using many tools, including coordinate measuring machines (CMM).

Cambrian graduates may find employment as a general machinist, tool and die maker, mold maker, machine operator, computer numerical controlled (CNC) programmer or operator, or sales representative in manufacturing industries.

## Program Overview

The Mechanical Techniques and Technician – Tool and Die Machining programs prepare students for entry-level positions in the general machining industry, with emphasis placed on hands-on training.

### Year 1 – Techniques

Students acquire basic, hands-on skills on conventional and computer numerical controlled (CNC) machines. Blueprint reading, metallurgy, and metrology are all integral parts of this program. Students successfully completing Mechanical Techniques – Tool and Die Machining will graduate with an **Ontario College Certificate**, at which point they may enter the workforce or continue their studies in second year.

### Year 2 – Technician

Students will gain knowledge in the design and manufacturing of jigs, fixtures, and dies for custom production, as well as the maintenance and troubleshooting of equipment and tools. Students will become familiar with the intricate set ups on shop equipment and will gain a significant amount of skills in the operation, troubleshooting, and program creation using computer numerical controlled (CNC) systems. Upon successful completion of Mechanical Technician – Tool and Die Machining, students will graduate with an **Ontario College Diploma**.

## Co-op Placements and Apprenticeship Opportunities

The Skills Technology Institute (SkyTech) sponsors qualified Co-op Apprenticeship students to work as apprentices on a cooperative work term following their first and second years. For further information, visit [http://homepages.cambrianc.on.ca/skytech/coop\\_placements.htm](http://homepages.cambrianc.on.ca/skytech/coop_placements.htm)

## Admission Requirements

### Techniques

Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

- Any grade 12 English (C), (U) or (M)
- Any grade 11 mathematics (C), (U) or (M)

### Technician

A one-year certificate in Mechanical Techniques – Tool and Die Machining or equivalent



**CAMBRIAN  
COLLEGE**

[www.cambriancollege.ca](http://www.cambriancollege.ca)

### For further information, please contact:

Program Coordinator  
Mechanical Techniques/Technician – Tool and Die Machining  
Tel: (705) 566-8101, extension 7629  
Toll-free in Ontario 1-800-461-7145, extension 7629  
Email: [andre.roberge@cambriancollege.ca](mailto:andre.roberge@cambriancollege.ca)  
[www.cambriancollege.ca/machining](http://www.cambriancollege.ca/machining)

### Liaison Office

Tel: (705) 524-7303 or toll-free in Ontario 1-800-461-7145, extension 7303  
Email: [info@cambriancollege.ca](mailto:info@cambriancollege.ca)