

# ONTARIO Colleges

FALL 2013



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# College research promotes economic growth

by DR. DAN PATTERSON  
President | Niagara College

When it comes to strengthening our economy through new innovations and improvements, college-based research is one of the most overlooked success stories in Ontario.

That research, commonly known as applied research, takes place throughout the province in various partnerships between public colleges and small- and medium-sized businesses.

Quite different from much of the university research that explores new ideas in academia, applied research helps businesses become more innovative. It helps businesses grow and bring new products to the marketplace.

Ultimately, this applied research stimulates economic growth and creates new jobs. After all, SMEs make up more than 90 per cent of Ontario's businesses. At the same time, applied research creates opportunities for students to get real-world experience working on innovative projects that have a measureable impact on a business' productivity.

Applied research can involve anything from the development of specialized software for 3D games to new technologies to reduce a company's energy consumption and costs. Last year, colleges in Ontario were involved in more than 600 industry-led applied research projects. Through the Colleges Ontario Network for Industry Innovation (CONII), 24 colleges across the province work together to make sure businesses with R&D needs can be accommodated.

The college-industry projects have included new strategies for the use of monitors and sensors to improve home care for seniors, and new technology to improve mining exploration. In one project, Ontario colleges helped 66 small- and medium-sized enterprises determine how digital technology could improve their overall productivity.

At Niagara College, our research has included a partnership with Norgen Biotek Corp. where the college produced parts to help the company increase its production of DNA and RNA sample kits by a factor of 24.

We also partnered with Ultimate Kiosk to develop state-of-the-art technology that allows people to take advanced hearing tests at kiosk locations, similar

to blood-pressure monitoring in a pharmacy. With this technology, the client sees the results immediately, but those results can also be sent to an audiologist for the appropriate follow-up.

These types of partnerships between industries and colleges are essential, particularly since many small- and medium-sized firms don't have the resources – and sometimes the expertise – to conduct research and development on their own.

In fact, a 2011 report by the Conference Board of Canada found that research partnerships between Ontario's colleges and businesses stimulated R&D activity that may not have otherwise occurred, resulting in the development of new products and processes, and the creation of new jobs.

"Stimulating innovation – especially among Ontario small- and medium-sized enterprises – will be critical to future success," said Glen Hodgson, the senior vice-president and chief economist at the Conference Board of Canada. "Ontario's colleges are providing a boost through their applied research services."

To increase industry innovation, to ensure our graduates have the skills they need to work effectively in these advanced workplaces, and to strengthen our economy, governments must support much more applied, industry-focused research at colleges.

Part of the reason that Canada's productivity has traditionally lagged behind most other developed countries is because we were not making needed investments into the industry-focused research that quickly pays off in competitiveness and job creation.

Fortunately, that is changing. There is recognition that research funding must support not only long-term mega-projects but must help businesses and industries of all sizes become as productive and competitive as possible.

Ontario's colleges are proud of the work we have done in partnership with industries and businesses to enhance the province's productivity. As Ontario explores ways to bolster the economy, the province should put an even greater emphasis on applied research.

To learn more about the applied research projects taking place at colleges across Ontario, visit [www.oce-ontario.org/programs/collaborative-commercialization/colleges-ontario-network-for-industry-innovation](http://www.oce-ontario.org/programs/collaborative-commercialization/colleges-ontario-network-for-industry-innovation). ■



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production manager Adam Flinders

contributing editor Ellen Ashton-Haiste

contributing editorial Centennial College, Colleges Ontario, Durham College, Georgian College, Harris, Medix, ONCAT, Seneca College, St. Clair College

graphic designer Kristie Weekes

advertising consultants Edith Dhillon,  
Monique Lea, Mala Lemoyne

advertising and editorial inquires  
Corporate Sales – Classified Department  
416.493.1300 | [aflinders@metroland.com](mailto:aflinders@metroland.com)

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10 Tempo Ave., Willowdale, Ontario M2H 2N8  
Tel: 416.493.1300 | Fax: 416.493.0623

# The future is now for Loyalist Journalism students

by ELLEN ASHTON-HAISTE

The future has arrived in Belleville, at Loyalist College.

Twenty-first century technology — once the stuff of science fiction — is reality in the college's new Digital Media Centre, launched in September at the start of the fall semester.

The \$1.9-million centre includes a 10,000-square-foot newsroom with video editing suites, a television studio, interview booths, audio production booths and meeting rooms.

It's a "spectacularly designed and fully-equipped learning environment for our media students," says Loyalist President Maureen Piercy.

Marisa Dragani, former CBC reporter now guiding a new generation of journalists at Loyalist, underlined its importance in her speech at the Sept. 4 launch.

"The industry is changing so much with cutbacks and layoffs, but it's been said to me and I'd like to pass it on to you that now truly is the golden age of journalism," she said. "With the advent of new and exciting technology, such as smart phones and Facebook, Twitter and Instagram, telling stories to a broad audience is in our heads as journalists and it's never been like this before. Journalism in the 21st century has transformed and the Digital Media Centre reflects that transformation."

The centre is a key component of a new partnership between Loyalist and Trent University in Peterborough, featured in the fall 2012 edition of *Ontario Colleges*, that allows students to earn a joint-major Bachelor of Arts or Science in journalism and another discipline of their choice from Trent, along with an advanced diploma in journalism — online, print and broadcast from Loyalist.

It's a partnership that will allow students to develop an area of expertise to focus future writing careers into areas of specialization, says Jane Harrison, Dean of the School of Media Arts and Design at Loyalist.

"The media landscape is changing and our students are on the cutting edge of how the news is now gathered and distributed," Harrison says.

Trent students participated in the launch of the centre, via a live video feed, and at the same time unveiled the Trent Bureau of QNet News, Loyalist's student-produced community online news service.

Together, Loyalist and Trent introduced a new version of QNetNews.ca, through which students write, report, share photographs, host programs and produce web, social media and video and audio content.



"In our newsroom, students are respected like members of the working press and their audiences are real," Harrison says. "They're producing high-quality news coverage for public consumption."

In addition to the Trent-Loyalist partnership, programs using the centre include: broadcast engineering technology; photojournalism; sports journalism; and television and new media production.

"Our journalism students create an impres-

sive multiplatform portfolio and complete field placements at newsgathering organizations across Canada," Harrison says. "Our graduates work as writers, reporters, photographers, editors, freelancers, web content providers, editorial assistants, videographers, program hosts and news anchors. The skills developed in this program can lead to careers in public and media relations and educational, training or industrial content production." ■

## From field to fork: Durham College Centre for Food now open



Durham College recently celebrated the official opening of its Centre for Food (CFF) at its Whitby campus, marking Durham Region's first-ever post-secondary presence focused on the field-to-fork concept.

Created in direct response to the demand of the local culinary, hospitality and tourism sectors, the 36,000-square-foot facility is located at the northwest corner of campus and built on the success of the college's first two hospitality-focused programs, Culinary Skills and Hospitality Management — Hotel, Restaurant and Tourism, which both launched in September 2010.

"Since Day 1 we have been committed to the creation of a centre that provides the curriculum, faculty expertise and exceptional facilities and equipment required to meet the growing need for new men and women able to fill both existing and emerging roles within the spectrum of a field-to-fork concept," said Don Lovisa, president, Durham College.

Supported by CFF ambassador and celebrity chef Jamie Kennedy, the new building accommodates approximately 900 additional students studying in a variety of programs. This includes Culinary Skills, Culinary

Management and Cook — Apprenticeship on the culinary side; Hospitality Management — Hotel, Restaurant and Tourism, Hospitality Skills, Event Management and Special Events Planning on the hospitality side; and Horticulture — Food and Farming and Horticulture Technician, which complete the full cycle of farming to the preparation and celebration of food. In addition, students interested in pursuing a career focused on the number one recreation activity in Canada — golf — are studying in the Golf Facility Operations Management program.

Featuring state-of-the-art kitchens and labs including a food and beverage pairing lab and hotel living lab; classrooms and meeting spaces; The Pantry, a retail store featuring products made by students including fresh-baked items, meals-to-go, preserved foods and ready-to-cook meals; and a demonstration lecture theatre, the building also features Bistro '67, one of the first green-certified teaching restaurants in Canada. The new 70-seat, full-service bistro offers fresh, inspiring dishes that include produce and delicious flavours from Durham Region that are prepared and served by students.




The CFF is the final piece of a three-phase expansion project that has seen \$44 million invested in an expanded post-secondary presence in Durham Region designed to bring new full-time programs to life and help develop the skilled workforce needed for our local communities to grow and prosper.

The first phase of the project, a comprehensive learning facility designed to train students in renewable energy and meet the projected demand for green jobs in

Ontario, officially opened in December 2009. Phase 2 opened in May 2011, adding 38,000 additional square feet of space to campus, 13,000 of which is an expanded shop area for programs focused on green building trades and technology.

For more information on the CFF, please visit [www.durhamcollege.ca/CFF](http://www.durhamcollege.ca/CFF) and for information on Bistro '67, including hours of operation and menu details, please visit [www.bistro67.ca](http://www.bistro67.ca).





*"Coming to Durham College changed my life for the better. My teachers have been amazing, I've made life-long friendships and I truly believe I am capable of anything I put my mind to."*

*Jacie Condon-Houghton*

OPEN HOUSE  
NOVEMBER 16

## New programs for 2014

- Activation Coordination in Gerontology (GRADUATE CERTIFICATE)
- Event Management (GRADUATE CERTIFICATE)
- Hospitality Skills
- Journalism – Broadcast and Electronic Media (PENDING APPROVAL)
- Journalism – Web and Print
- Law Clerk Advanced (FAST-TRACK)
- Mechanical Engineering – Non-Destructive Evaluation (COMPRESSED, FAST-TRACK)

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Georgian College fosters a culture of entrepreneurship and innovation, preparing students to become not only job seekers, but also job creators. Working together with industry and community partners, Georgian offers relevant, cutting-edge curriculum, quality work placements and co-op experiences. With more than 120 career-focused programs across seven locations in Central Ontario (Barrie, Midland, Muskoka, Orangeville, Orillia, Owen Sound and South Georgian Bay), Georgian serves 11,000 full-time students and 28,000 Continuing Education registrants annually.

Advanced study options, including the only four-year automotive management and golf management degrees in Canada, are offered through the one-of-a-kind Georgian University Partnership Centre. The centre currently serves 1,500 degree students and has room to grow!

Georgian received the highest score among Ontario colleges in the 2013 International Student Barometer – ranking number three in the world – and has been named one of Canada's Top 100 Employers seven times and one of Canada's Greenest Employers four years in a row. Student success is linked to providing timely and relevant programs. Strong community, industry and international partnerships are an integral part of Georgian's strength. Their support helps ensure the college meets the needs of the economy, students, graduates and employers.

GEORGIAN  
COLLEGE



Combining college and university studies can help you develop a unique and marketable skill-set. How do you complete both while making the most of your time and money? ONTransfer.ca can help.

Provided by the Ontario Council on Articulation and Transfer (ONCAT) in collaboration with Ontario's 44 publicly funded post-secondary institutions, the site features an interactive tool that highlights pathways among the province's college and university programs.

"ONTransfer.ca provides students with all the resources they need to transfer in one central location, including the names of postsecondary advisers," says Glenn Craney, executive director at ONCAT.

For example, a college student interested in also going to university can find pathways that connect with her current studies. Using the interactive tool, she selects her current program, then the universities and types of programs that interest her. The tool then highlights the various pathways available, including the amount of transfer credit she can receive.

"ONTransfer.ca provides crucial information to help students plan their postsecondary education," Craney says. "These details make an enormous difference in helping students achieve their goals."

ONCAT is funded by the Government of Ontario.



# You have a goal, now find the path

## Find your way at ONTransfer.ca

Visit ONTransfer.ca and explore the most current source for credit transfer opportunities among Ontario's colleges and universities. Let us help you plan the route to your postsecondary destination.



ONTransfer.ca is funded by the Government of Ontario and maintained by the Ontario Council on Articulation and Transfer.

Cette information est aussi disponible en français.



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## 0% for Sixth Time!

Harris Institute's Arts Management Program (AMP) has achieved an unprecedented 0% Student Loan Default Rate for the sixth time in eight years. The average default rate for all programs at Ontario's 132 Private Career Colleges is 20.6%.

"We are very proud of this outstanding accomplishment," says the college's president, John Harris. "The outcome is due to our exceptional faculty preparing graduates for a wide range of careers related to music".

Two graduates of the program are involved with the #1 Billboard Hot 100 hit, "Wrecking Ball" by Miley Cyrus. Jamie Porter manages Stephan Moccio who co-wrote the song and Sven Heidinga, who is a graduate of both the Arts Management Program and the Audio Production Program, co-engineered the recording.

The Arts Management Program is the only

Canadian program included in Billboard Magazine's August 24, 2013 education feature Rock Enroll - "the top music business programs in North America" and it was featured in Jim Lamarche's 'Report Card on Media Arts Education in Canada' with "Harris gets top marks for their AMP program and I would recommend it hands down over any other school".

Harris Institute is one of only two postsecondary schools in Canada to achieve three 0% Student Loan Default Rates. The college was the first to introduce accelerated one-year diploma programs taught by active industry leaders. It recently announced an expansion of the accelerated approach in partnership with the University of the West of Scotland. Harris students can earn a Diploma, Degree and Master's Degree in 32 months with full scholarships for the Degree and partial scholarships with accommodation bursaries for the MA in Scotland.

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## MEDIXCOLLEGE: To serve with excellence the needs of our community and the needs of our graduates by matching skills

For over 40 years Medix College has been providing industry leading healthcare career training for those looking to become medical professionals. Currently Medix College has six (6) campuses across Ontario with each of them featuring state-of-the-art facilities. Medix College believes in helping students achieve quality education quickly. All of our students receive hands-on, practical courses designed to quickly get you started on your chosen career path. We are committed to individuals seeking career-oriented programs leading directly to a successful career! Medix is the clear choice for those looking to change their life today, in addition, Medix College also provides online certificate programs to aid you in your quest to have the career you've always wanted.

With the introduction of part-time programs plus a range of online courses, found at [medixonline.ca](http://medixonline.ca), it's now easier than ever to develop new skills and interests without disrupting your home, work or family commitments. If you've ever wanted to develop additional skills and interests, but never had the time, Medix College's part-time programs are for you! Look though our part-time programs for affordable courses that will fit with into your busy lifestyle, enhance your career and help you live life to the fullest. Visit us at [MEDIXCOLLEGE.CA](http://MEDIXCOLLEGE.CA)

### THE PROGRAMS

Medix College provides training in healthcare diploma programs preparing students for the growing healthcare industry in Canada. The objective of the program training is to equip the students with the most current theory and practical training necessary to become successful healthcare professionals. The curriculum relies on two fundamental

principles; firstly, teach to foster an understanding of the material versus memorization of the material, and secondly, allowing the students to process information through practical experience. Practical experience is provided to our students through laboratories and an opportunity to shadow experienced workers in the field. Each campus has its own set of programs, which run throughout the year:

Community Service Worker [www.medixcollege.ca/programs/community-service-worker/](http://www.medixcollege.ca/programs/community-service-worker/)  
Dental Assistant Level II [www.medixcollege.ca/programs/dental-assistant-level-2/](http://www.medixcollege.ca/programs/dental-assistant-level-2/)  
Developmental Service Worker [www.medixcollege.ca/programs/developmental-service-worker/](http://www.medixcollege.ca/programs/developmental-service-worker/)  
Early Childcare Assistant [www.medixcollege.ca/programs/early-childcare-assistant/](http://www.medixcollege.ca/programs/early-childcare-assistant/)  
Fitness and Health Promotion [www.medixcollege.ca/programs/fitness-health-promotion/](http://www.medixcollege.ca/programs/fitness-health-promotion/)  
Intra-Oral Dental Assistant [www.medixcollege.ca/programs/intra-oral-dental-assistant/](http://www.medixcollege.ca/programs/intra-oral-dental-assistant/)  
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PSW Bridging Program [www.medixcollege.ca/programs/psw-bridging-program/](http://www.medixcollege.ca/programs/psw-bridging-program/)  
Pharmacy Assistant [www.medixcollege.ca/programs/pharmacy-assistant/](http://www.medixcollege.ca/programs/pharmacy-assistant/)

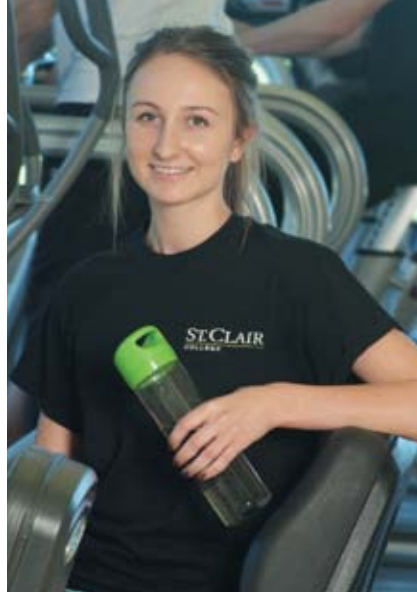


# ST. CLAIR COLLEGE

St. Clair College provides students with an exceptional learning environment in over 100 diploma, certificate and degree programs. With four campuses in Windsor and Chatham-Kent, St. Clair College focuses on high quality, relevant, hands-on learning that prepares students for their chosen career.

Our Schools of Specialization include Health Sciences & Community Services, Technology & Trades, Media Art & Design and Business & I.T., with a wide variety of new programs launched in the last few years. Most notably is the popular Fitness & Health Training program at our Thames Campus in Chatham. Through the expertise and leadership of our outstanding faculty, students like Sabrina Janisse excelled in the program and are going on to additional study in the two year Fitness & Health Promotion program.

In fact, Sabrina distinguished herself when she wrote the exam to become the first Canadian College graduate to earn her National Fitness Leadership Alliance certifications as a Resistance Trainer and Registered Fitness Professional, credentials which are recognized internationally in over seven countries. "What made this special for me was that the exam was proctored by my faculty, Deborah Ivey", says Sabrina. "That



made it all the more gratifying to know that I was being taught by the best in the field."

Other new program launches include Fashion Design, Pre-Service Firefighter, and Biomedical Engineering Technology at the Windsor Campus. In the area of Health Sciences, St. Clair College educates the largest group of students studying in the applied health science field of any college in the Province. Popular programs include Diagnostic Medical Sonography, Respiratory Therapy and Cardiovascular Technology. These and all of our health science programs are supported with state-of-the-art teaching facilities at both our Windsor and Chatham campuses.

## International Development program at Centennial College

With a new generation of students showing keen interest in "social entrepreneurship" and development issues beyond our borders, Toronto's Centennial College is launching a timely program in International Development.

Students who possess a college diploma or university degree and who are curious about social justice issues such as poverty reduction, girls' education and humanitarian aid can pursue this unique three-semester graduate certificate program.

Students gain a critical understanding of development theories and practice, as well as cross-cultural skills to work effectively in Canada and in developing countries, says program coordinator Dr. Julie Nguyen. Development issues related to education and health, food security, energy and the environment, micro-finance, gender equity, and urban and rural development are explored in the classroom.

"Driving social innovation and social entrepreneurship has become one of the focal points of the learning outcomes at Centennial," explains Nguyen. "The program addresses a growing need for skilled professionals with global experiences to work for government agencies and non-governmental organizations (NGOs) on development programs and projects."

A key benefit of the program is the chance to put lessons into practice in another

country. Centennial's Global Citizenship and Equity Learning Experience provides students with opportunities to travel overseas to develop leadership skills and to work to create positive social change in the field.

The International Development program offers flexible admission in January, May and September. Class times are convenient for students who wish to pursue other experiential learning activities, such as volunteer work and networking. The program includes blended courses that use technologically enhanced instructional methods and social media tools to allow students to connect with people and development organizations around the world.

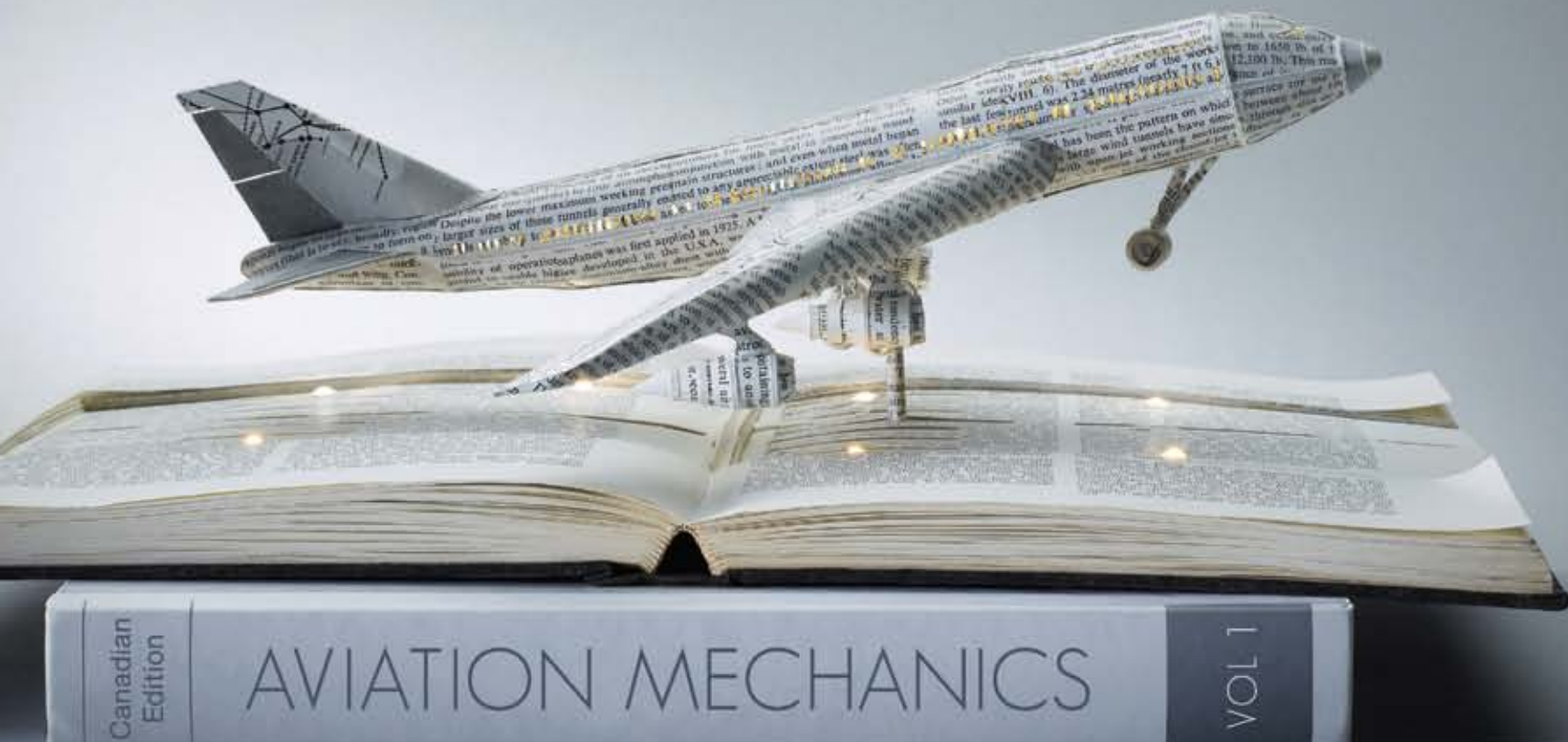
The knowledge and skills gained in the International Development program are transferrable anywhere, Nguyen says. Understanding global issues and possessing project management and soft skills are immensely beneficial to individuals contemplating careers in business, education and services.

"It's a fascinating field for young people with the passion, courage and dedication to helping those in need and making a difference in the world. Travelling and meeting new people presents a great opportunity to self-reflect, gain cultural sensitivity and become a true global citizen."

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

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# Seneca blazes a trail in fire protection and technology careers

# Seneca

Anna Mielnik didn't grow up dreaming about a career in fire services. And firefighting isn't high on her job priority list.

But she's finding Seneca College's Fire Protection Engineering Technology program, and the opportunities it leads to, a perfect fit for her future.

The program doesn't train students to fight fires, but focuses, rather, on the myriad ways to prevent and protect against them, from fire prevention education to the design of sprinkler and alarm systems.

It was Mielnik's uncle, a firefighter, who opened the door to this career path when he offered her a behind-the-scenes look at what fire services involves.

"That's how I learned that this program exists," she says. "I thought 'this sounds like something I could do'... very, very hands-on, learning technical skills."

Now in her third year and set to graduate in April, with sights set on a career as a fire prevention officer or fire safety consultant, she says it's been a "great experience. I'm really, really happy with this program."

This past summer, she took advantage of the paid co-op placement opportunity and spent the summer working in fire prevention at the Toronto Transit Commission, participating in fire drills and fire warden training sessions as well as inspecting subway stations for safety issues and fire code violations.

"It was really good hands-on work, putting all the skills that I've learned in the past two years into my job," says Mielnik, who continues to work part-time at the TTC.

Like Mielnik, most young people pondering career choices don't have options like sprinkler designer or alarm installer on their radar, so creating that awareness is one of the challenges says program co-ordinator and professor Derek Gruchy.

"Nobody's heard of these careers, for the most part," he says. "But once you talk about it, they say, 'Oh yeah. Somebody's got to put in the alarm system.'"

Positions for grads are plentiful. In fact, Gruchy points out that a major benefit is there are more available jobs than graduates.

The program is unique, in that it's the only three-year offering that focuses solely on engineering and technology. This gives it a high profile in the industry and has companies coming to the college when they're looking to hire, Gruchy says. "Every major company in the fire protection industry has graduates from our program."

And, since no similar course exists in the United States, job opportunities abound south of the border as well.

The types of available positions are also wide-ranging.

"Sprinklers and alarms are two major career paths, but within each of those you can go

into sales, design, installation or maintenance, depending on your skill set," Gruchy says. "And, we have insurance fire prevention and code consulting. So there's a lot of different options for students when they get out of the program."

It can also open doors to further education. He notes that the program has degree transfer articulation agreements with several universities where the three years at Seneca are accepted towards a degree with one more year at that institution. And the courses can be done on-site or online.

Each year, about 90 students graduate from Seneca with an advanced diploma in Fire Protection Engineering Technology and there's always room for more, Gruchy says. There are still

openings available to start in January, he adds.

These are all points that he will be touting at the college's Open House, Nov. 23, when the public and prospective students are invited to tour the five campuses and meet faculty, students and staff and learn about the programs.

"I'll be there, ready to answer questions and show people around to give them a sense of what we do," he says. "That usually is what sells people, when they see what we have. Being able to see it helps them understand what the program is about."

*Below, Anna Mielnik is a third-year student in Seneca's Fire Protection Engineering Technology program.*



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