

REPORT ON COLLEGES: SKILLS WE NEED

A select guide to Canada's top college programs

This list showcases a small selection of the most renowned courses of study offered by community colleges across the country. A longer version of it can be found at <http://www.globecampus.ca>.

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PROFESSIONS/SERVICE INDUSTRIES

CULINARY/WINE

Niagara Winery and viticulture technician and wine business management Leading-edge programs in Ontario wine country.

Humber

Print Edition - Section Front



[Enlarge Image](#)



Variety of programs in culinary arts and hospitality industry management.

Holland

Culinary arts Two-year program in one of Canada's most prestigious culinary schools. Also offers a degree program in culinary operations.

George Brown

Culinary management Two-year chef-training diploma in one of the renowned programs at the high-profile chef school.

Vancouver Community

Culinary arts Range of programs, including a specialization in Asian cuisine.

NAIT

Culinary arts Well-regarded two-year program in a state-of-the-art new facility.

Assinibione

Culinary arts Two-year diploma involves broadcast theatre, where media production students produce segments for TV and Internet with student chefs.

SAIT

Bakery and pastry arts Only college in Canada to offer this diploma over two years instead of one. Specialty courses include sugar work artistry, chocolate arts and wedding cake design.

OKANAGAN

Oenology and viticulture Two-year winemaking program in B.C. wine country, after which students can transfer to bachelor's program at Brock University.

TOURISM/HOSPITALITY

Fanshawe

Concierge services Unique post-grad program trains hospitality program graduates in global issues and cultural literacy.

SAIT

Hospitality and tourism management Newly revamped program features classroom innovations including training delivered via WebCT in a blended learning environment.

Bow Valley

Events management One or two-year program training in organization of special events and conferences.

Lakeland

Adventure tourism and outdoor recreation Trains students in interpretation, guiding and outdoor living skills and business, leadership and service expertise.

Red Deer

Hospitality and tourism management Two-year diploma program prepares students for careers in the industry.

ALGONQUIN

Outdoor adventure naturalist Two-year diploma co-op program compressed into three terms training students as nature interpreters, adventure and ecotourism leaders.

COLLEGE OF THE ROCKIES

Mountain adventure skills training Intensive nine-month program offers intensive training in outdoor adventure activities as well as the business and risk management aspects of the adventure tourism industry.

Adventure tourism business operations Diploma program trains students in business, communication, operations management, technical field skills and leadership skills.

HOLLAND

Commercial diving Nine-month program trains in skills for commercial diving, burning/welding, maintenance and inspection.

LEGAL/LAW ENFORCEMENT

Loyalist

Customs border services Two-year program prepares graduates for entry-level positions with customs brokerages, private business, and freight forwarders and for positions as officers with Canada Border Services. Includes courses on the justice system, human behaviour, law, and import/export practices.

Centennial

Community and justice services Two-year program prepares students for a career in the criminal justice system and community services. It covers criminology, offender profiles, gangs, youth culture and the law and clients with mental health disorders.

Sheridan

Investigation - public and private Two-year program trains students in forensic investigative techniques for use in law enforcement and business fields such as insurance.

Mount Royal

Criminal Justice Four-year BA program combines theory and workplace learning in training for law enforcement, community outreach and victim services.

BCIT

Forensic science technology Program for health-care and law-enforcement workers.

OKANAGAN

Criminal and social justice Two-year program leads to careers in government, policing, criminal investigation, and private and public investigation.

Lethbridge

Correctional studies Four-year bachelor's degree program teaches skills in community justice, ethics, behavioural management, victimology, management and leadership.

EDUCATION/SOCIAL WORK

Fanshawe

Autism and behavioural science Training for careers as autism specialists in agencies and school boards, or as private providers of behavioural therapy.

LAMBTON

Autism and behavioural sciences One-year graduate program for students who have a diploma or degree in a related area and wish to acquire a specialization in treatment of autism.

Grande Prairie

Teacher education north. Jointbachelor program with the University of Alberta and Grande Prairie Regional College, to train teachers to work in schools in remote northern communities.

ST. CLAIR

Early childhood education A five-year program in conjunction with the University of Windsor, allowing students to work concurrently on their ECE diploma, a bachelor of social sciences and bachelor of education.

Centennial

Child and youth worker Three-year program of training as a mental health professional to provide treatment and counselling to disturbed and at-risk children and adolescents. Graduates gain two years of university credit towards a BA in child and youth work through agreements with Ryerson University and the University of Western Sydney.

Medicine Hat

Addictions counselling Unique four-year baccalaureate program trains students for careers in public and private agencies, education and law enforcement.

DOUGLAS

Youth justice Unique in B.C., the two-year program trains specialists to work with troubled teens and support their rehabilitation.

Dawson

Community recreation leadership Three-year program that trains students to work in leisure and recreation. It focuses on teamwork, outdoor and environmental education, communication techniques, promotion and fundraising.

LANGARA

Library and information technology Two-year program prepares students for careers in all types of libraries and information centres, including public, academic, school and specialized areas such as medical, legal, corporate or government.

LAKELAND

Sign language interpretation An 18-month program with University of Alberta to train students in sign language for careers in business, education, religious settings, courtrooms, conferences and performing arts.

John Abbott

Information and library technologies Three-year programs leading to careers in corporate, government, database, website organizations, libraries and archives.

SKILLS WE NEED

ARTS/MEDIA/DESIGN

PERFORMING ARTS/FILM/MUSIC

Fanshawe

Music industry arts program focusing on the music business and recording technology, curriculum includes contracts, song and composition analysis as well as production techniques.

Niagara

Acting for film and television Two-year program training actors for big-and-small screen work.

Grant MacEwan

Music Two-year diploma providing academic and performance training in rock, pop and jazz.

Humber

Bachelor's in applied music Four-year degree combining training in performance and composition with electives such as recording and production.

Comedy writing and performance Unique two-year diploma in the art of comedy.

Sheridan

Music theatre Advanced diploma course.

George Brown

Theatre arts Three-year diploma training students for work as actors in theatre, TV and film.

CAMBRIAN

Music - performance The only college program (two years) in Ontario to focus on classical music.

Mount Royal

Music performance Two-year diploma in jazz or classical.

Langara

Theatre arts Renowned program, known as Studio 58, that trains actors, stage managers, technicians and designers.

SAIT

Film and video production Two-year program that draws students from around the world.

Grande Prairie

Interactive digital design (music) Two-year program trains students for the music industry with courses including digital music production, arranging, electronic notation, and performance.

Northwest

First Nations fine arts Unique two-year program in aboriginal art, training students in technique, art history and the legacy of Haida artist Freda Diesing.

Fleming

Museum management and curatorship Unique post-graduate, three-semester program includes training at the local Peterborough Museum and Archives.

ST. CLAIR

Entertainment technology A new three-year program trains students in lighting, staging, sound, audio/visual and scene construction, qualifying them to work at such places as theatres, theme parks and audio/visual companies.

RED DEER

Motion picture arts Bachelor's degree program trains students for work in the film and TV industry, with two streams - acting and production.

FASHION

Humber

Fashion management A new four-year bachelor of applied business program to prepare graduates for the fashion industry; training in business management, wholesale and retail operations and import/export management.

Seneca

Fashion Arts Three-year program trains students to enter the business in design, production management, quality control, product development and pattern making.

Olds

Fashion apparel technology Two-year program offers tailoring and custom design training.

George Brown

Fashion Management Two-year program on the business of fashion, from manufacturing to marketing and retail. A one-year diploma on the international fashion business is available.

Vancouver Community

Fashion arts One and two-year diploma programs in design.

Fanshawe

Fashion design Three-year co-op program trains students in all areas of garment design.

DESIGN/COMPUTER ANIMATION

Sheridan

Applied arts (animation). Arguably Canada's most renowned bachelor's program for training animators.

Design Renowned four-year joint degree program with York University.

Loyalist

Animation Three-year advanced diploma program includes internships and entrepreneurial training for graduates wanting to set up own shop.

Seneca

3D animation Eight-month graduate certificate training in 3D computer-based modelling and animation.

Humber

Multimedia design Two-year program that focuses on interactive media design and development.

Mohawk

Comic design and scripting Unique, one-year program trains students to be artists in the comic-book industry and related publishing fields.

BCIT

Graphic communications technology Diploma program prepares students for the print and publishing industry in such areas as pre-press, press, bindery, finishing, management, sales, marketing, and customer service.

Langara

Display and design Two-year program encompassing 3-D design for retail, exhibit and special events, interior design theory and graphic presentation, plus advertising, marketing, and small business management.

Winnipeg Technical

Production art The well-regarded program combines graphic design and printing and is one of only a few to train students in flexographic printing.

Dawson

3-D animation and computer generated imagery A new three-year program trains students as graphic artists for the animation industry and related fields.

Medicine Hat

Visual communications Four-year degree program with a stated aim of blurring the boundaries separating the fine arts from design and industry.

John Abbott

Publication design and hypermedia technology Three-year program trains students in website creation, publication design and graphic design.

ENVIRONMENT/NATURAL

RESOURCES/ENERGY

ENERGY INDUSTRY

SAIT

Petroleum engineering Flagship degree program at the MacPhail School of Energy, which specializes in energy-sector training, including programs in environmental technology and accounting for the oil and gas industry.

NAIT

Rig technician apprenticeship Program trains oil and gas drilling workers.

Olds

Land agent diploma The program trains land-rights negotiators, many of whom work in Alberta's oil sands

Assiniboine

Sustainable energy technician (wind turbine) One-year certificate to train students to work in the burgeoning wind energy industry.

Durham

Renewable energy technician A new, two-year diploma program trains students in the installation, repair and maintenance of renewable energy systems such as solar and wind power and ground source heat pumps.

Humber

Sustainable energy and building technology A new three-year program trains students in both technical and marketing skills for careers in the sustainable energy industry.

CAMBRIAN

Energy systems technology Three-year program trains graduates to work in careers in green building, energy efficiency and resource conservation

LAMBTON

Alternative energy engineering technology A three-year co-op program training students in current and emerging energy technologies.

NORTHERN LIGHTS

Land and resource management One and two-year programs in land administration, being a land agent and land reclamation, training students for work in the oil and gas industry.

ENVIRONMENT/RESOURCES

SIAST

Water resources engineering technology Program trains students for careers in water quality management. Sharing a common first year with civil and environmental programs.

Natural resources technologies Offered in Northern Saskatchewan, these programs share a common first year leading to specializations such as environmental protection, silviculture and resource management.

Durham

Water quality technician Two-year program trains students in waste water treatment systems, water use industries and environmental monitoring.

Boreal

Natural resources technologist Specializations in this program include forestry, fish and wildlife technician, forestry technologist, and fish and wildlife management.

Fleming

Ecological Restoration Joint four-year BSc/diploma program with Trent University in the recovery of damaged or destroyed ecosystems.

Algonquin

Green business management A new one-year program aimed at entrepreneurs or business managers who are looking at green strategies for market advantage, government workers who are interested in "greening" their agency/workplace and environmentalists looking for work in the growing area of environmental business.

BCIT

Renewable resources: fish, wildlife and recreation Two-year diploma of technology program entails all aspects of fisheries and wildlife management while covering B.C.'s park systems and the outdoor recreation sector.

LETHBRIDGE

Conservation enforcement Unique bachelor's degree program problem trains students in wildlife management, investigations, park operations and resource law enforcement.

Assiniboine

Land and water management Two-year program teaches environmental monitoring and management in an agricultural context, with emphasis on climate change issues.

Northwest

Applied coastal ecology One or two-year program training students in oceanography, wildlife and fish management and ecology for careers in preserving coastal ecosystems.

OKANAGAN

Water quality environmental engineering technology Two-year diploma program, only one of its kind in B.C., providing training in the design and maintenance of water and waste systems.

Lakeland

Environmental protection technology Two-year diploma program.

SENECA

Environmental site remediation A four-year bachelor's degree program training students in science, law, engineering and computer applications involved in environmental site remediation and land redevelopment.

FARMING/ANIMALS

OLDS

Agriculture management New two-year program prepares students for a career managing agricultural production, service and value-adding enterprises, with skills training in managing animals, plants, business and technology.

Animal health technology Two-year program in which students receive training in medical procedures such as anesthesia, surgical assistance, lab testing, radiography, dentistry, animal nursing, emergency care and veterinary office procedures. The theory components can be taken online.

Equine science Two-year program trains students for work in the equine industry and offers four majors: business and event management, production and breeding management, horsemanship and equestrian coaching.

Horticulture Two-year program in plant, soil and environmental sciences as well as communications, management and business practices.

LAKELAND

Crop technology Two-year program includes managing Canada's only student-managed farm and leads to careers in farming management.

Fanshawe

Horticulture Two-year co-op program emphasizes skills such as landscape field construction, plant production, arboriculture and garden and landscape maintenance.

MEDIA/JOURNALISM

Niagara

Broadcasting, radio, television and film Three-year program leading to careers on-air as reporters/announcers or off-air as technicians/producers/directors.

Humber

Journalism - print and broadcasting Two-year graduate program in either area, in state-of-the-art newsroom or studio.

Mount Royal

Broadcasting Two-year program trains graduates for radio, television, production facility, or web-based environments

Fanshawe

Radio broadcasting Graduates of the two-year program become announcers, producers, writers, programmers, sales and marketing and promotional professionals.

Loyalist

Photojournalism Billed as Canada's only dedicated two-year program. Graduates find work as photojournalists, reporter/photographers, picture editors, photo technicians or digital publishing specialists.

Algonquin

Documentary production A two-semester program in the business of independent documentary production and the Canadian policy landscape of documentary funding, marketing and distribution. Prepares for careers as researchers, scriptwriters, camera operators, sound recordists, video editors, field producers, directors, and production managers. Plus programs in print and broadcast journalism

Centennial

Books and magazine publishing Graduate certificate program.

CAMOSUN

Applied Communication Two-year media-generalist program includes theory and production skills for television, radio, electronic and print publication, photography and graphics and public relations.

BUSINESS/MANAGEMENT

Fanshawe

Business administration - marketing Three-year program includes marketing research study, communications plans, customer relationship management, and a course on optimal use of the Google/Yahoo search engine.

CAMOSUN

Indigenous business leadership A new two-year business diploma program for aboriginal students combines business training and teaching, leading to careers in management consulting or business ownership.

Business administration Four-year bachelor's degree with three majors: accounting, human resource management and marketing communications. Georgian

Automotive management Four-year applied-business bachelor's degree program, leading to careers in leadership in the automotive industry.

Langara

Bachelor of business administration A four-year baccalaureate degree in business with four concentrations: accounting, business management, and marketing management.

Algonquin

Sport business management The one-year graduate certificate program covers marketing, sponsorship, economics, finance, event planning, customer service, legal issues, governance and project management. Includes work placements throughout the program. Holland

Golf club management Two-year program trains students in every aspect of operations in the golf industry.

Sheridan

International business One-year graduate certificate focuses on doing business in world markets and offers a co-op option.

LAKELAND

Applied business - emergency services Bachelor degree program leading to a career in emergency services management.

College Boreal

Funeral service education The only French-language program of its kind in Ontario. Students are trained in human biology, physiopathology, embalming, psychology of mourning, and legal and ethical issues.

ENGINEERING/TECHNOLOGY

AVIATION

Seneca

Applied technology (flight program) Bachelor's degree; trains commercial pilots.

BCIT

Airport operations Diploma program trains airport management professionals.

North Atlantic

Aircraft maintenance engineering technician Two-year diploma program.

NORTHERN LIGHTS

Aircraft maintenance engineering Renowned 15-month program; specialization in specific helicopter types also offered.

GEORGIAN

Aviation management Respected three-year diploma program trains students for careers in the aviation industry.

NBCC

Aviation technology Twenty-month pilot training program.

ENGINEERING/TECHNICAL

Winnipeg Technical

Motosport technician New program, one of few in north America, trains students to service leisure vehicles such as ATVs, motorcycles and snowmobiles.

Loyalist

Biotechnology technician/technologist Trains students for careers as technicians, lab technologists and research assistants to work in agriculture, food production, pharmaceuticals, sanitation and health research.**Food safety** This three-year advanced diploma program was designed in response to employers' identified needs for expertise in science, food safety and environmental management.

Seneca

Informatics and security Bachelor of applied technology degree program prepares students for careers in IT networks and security-related issues.

Algonquin

Masonry - heritage and traditional A unique 45-week diploma program provides training in the masonry industry, from new residential and commercial construction to heritage restoration and conservation.

BCIT

Electrical and computer engineering technology Two-year diploma program trains students in control strategies, measurement techniques, and electronic and computer systems in commercial and industrial operations.

SAIT

Construction-process piping and design A unique program that draws students from across Canada for training in drafting pipes for the energy industry.

CAMBRIAN

Mining engineering technology Three-year program trains graduates for leading roles in all aspects of the mining industry.

LAMBTON

Chemical production and power engineering technology Three-year program trains graduates in technologies used in industries such as oil and chemical processing, power production, steel production, food processing, etc.

OKANAGAN

Geographical information systems Specialized program provides training in ArcInfo, a leading GIS software, for fields including agriculture and fisheries, forestry and urban planning.

ST.CLAIR

Power engineering technology - fast track A three-year program fast-tracked to 21 months to meet sector demand, training students as specialized technologists for power generation industry or settings such as hospitals.

HEALTH CARE/HEALTH SCIENCES

Douglas

Sports science Renowned two-year diploma program trains in sports administration, physical development, biomechanics, exercise physiology, sport history and sport psychology. Also available: bachelor of physical education and coaching.

BCIT

Prosthetics and orthotics Two-year diploma program trains graduates to recognize patient problems, assess needs, design and construct appliances, select appropriate materials and deal with emotional difficulties.

Fanshawe

Medical radiation technology. Three-year program leading to careers in public and private and health care or industry.

Conestoga

Health informatics Four-year bachelor's degree program in the growing field of managing health-care data and knowledge using information technology.

FLEMING

Biotechnology technologist - forensics Two-year program in a cutting-edge field that leads to careers including health care, the pharmaceutical industry, environmental monitoring or law enforcement.

Sheridan

Athletic therapy Bachelor's program specializing in treating professional athletes.

SAIT

Nuclear medicine technology Nationally recognized diploma program training students in the use of radioactive tracers to image disease processes within the body.

Bow Valley

Nutrition management Three-year certificate can be taken entirely online.

Grand Prairie

Fitness leadership, older adult fitness and wellness Unique two-year program for personal trainers who want to work with older adults.

Centennial

Paramedic Two-year program includes training in emergency, medical and trauma situations in a state-of-the-art centre.

SIAST

Advanced care paramedic Respected two-year program.

NURSING

Most colleges offer nursing options. Go to <http://www.globecampus.ca> for a selected list.

The colleges

The listings are based on information supplied by the following polytechnics and colleges:

Algonquin College, Ottawa

Assiniboine College, Brandon, Man.

B.C. Institute of Technology (BCIT), Burnaby, B.C.

College Boreal, Sudbury, Ont.

Bow Valley College, Calgary

Camosun College, Victoria, B.C.

Cambrian College, Sudbury, Ont.

Centennial College, Toronto

Conestoga College, Kitchener, Ont.

Dawson College, Montreal

Douglas College, New Westminster, B.C.

Durham College, Oshawa, Ont.

Fanshawe College, London, Ont.

Fleming College, Peterborough, Ont.

George Brown College, Toronto

Georgian College, Barrie, Ont.

Grande Prairie Regional College, Alta.

Grant MacEwan College, Edmonton

Holland College, Charlottetown, PEI

Humber College, Toronto

John Abbott College, Montreal

Lakeland College, Lethbridge, Alta.

Lambton College, Sarnia, Ont.

Langara College, Vancouver

Lethbridge College, Alta.

Loyalist College, Belleville, Ont.

Medicine Hat College, Alta.

Mount Royal College, Calgary

Mohawk College, Hamilton, Ont.

New Brunswick Community College (NBCC), campuses across the province

Niagara College, Welland, Ont.

College of the North Atlantic, St John's

Northern Alberta Institute of Technology (NAIT), Edmonton

Northern Lights College, Dawson Creek, B.C.

Nova Scotia Community College (NSCC), campuses across the province

Okanagan College, Kelowna, B.C.

Olds College, Olds, Alta.

Red Deer College, Alta.

College of the Rockies, Cranbrook, B.C.

Saskatchewan Institute of Applied Science and Technology (SIAST), Saskatoon

Seneca College, Toronto

Sheridan College, Oakville, Ont.

Southern Alberta Institute of Technology (SAIT), Calgary

St. Clair College, Windsor, Ont.

Vancouver Community College, B.C.

Winnipeg Technical College, Man.

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