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# CAMBRIAN COLLEGE PROGRAMS

## Full-time Programs

A Cambrian education is the total package: Practical, hands-on experience in every program. Expert faculty who are connected to industry. A vibrant campus life. And grads who get jobs.

Cambrian offers over 80 full-time programs. Diploma programs are usually two or three academic years in length, and certificate programs are generally one academic year in duration. (1 academic year = 2 or 3 semesters). See individual descriptions for program delivery information.

HINT: You can sort the list by clicking on the column headings (e.g., by Program Name, by Term, etc.).

Program Name	Term	Semesters	Field of Study
Aboriginal Early Childhood Education (ECEO) (p. 5)	Fall 2016	5 semesters	Community Services
Academic Upgrading (UPGR) (p. 7)	Fall 2016		General Studies
Advanced Care Paramedic - Graduate Certificate (APPD) (p. 8)	Fall 2016	2 semesters	Health Sciences, Nursing and Emergency Services
Animation (ANPG) (p. 10)	Fall 2016	6 semesters	Creative Arts, Music and Design
Art and Design Fundamentals (AFPG) (p. 12)	Fall 2016	2 semesters	Creative Arts, Music and Design
Bachelor of Science in Nursing (BSCN) (p. 14)	Fall 2016	8 semesters	Health Sciences, Nursing and Emergency Services
Business - Accounting (BUAP) (p. 19)	Fall 2016	4 semesters	Business and Information Technology
Business - Accounting - Online (BUAO) (p. 21)	Fall 2016	4 semesters	Business and Information Technology
Business (GEBU) (p. 17)	Fall 2016	4 semesters	Business and Information Technology
Business Administration - Accounting (ACBU) (p. 26)	Fall 2016	6 semesters	Business and Information Technology
Business Administration (BUAD) (p. 23)	Fall 2016	6 semesters	Business and Information Technology
Business Fundamentals (BFPG) (p. 29)	Fall 2016	2 semesters	Business and Information Technology
Business Fundamentals - Online (BFPO) (p. 31)	Fall 2016	2 semesters	Business and Information Technology
Carpentry Renovation Techniques (CRTQ) (p. 33)	Fall 2016	3 semesters	Skills and Trades Training
Chemical Engineering Technology (CHLP) (p. 34)	Fall 2016	7 semesters	Engineering Technology
Child and Youth Care (CYCP) (p. 36)	Fall 2016	6 semesters	Community Services
Civil Engineering Technician (CVTN) (p. 38)	Fall 2016	4 semesters	Engineering Technology
Civil Engineering Technology (CVTY) (p. 40)	Fall 2016	6 semesters	Engineering Technology
Community and Justice Services (CJSP) (p. 42)	Fall 2016	4 semesters	Law and Justice
Computer Systems Technology (CETY) (p. 46)	Fall 2016	6 semesters	Business and Information Technology
Corporate Safety and Security (CSSP) (p. 48)	Fall 2016	2 semesters	Law and Justice
Dental Assisting (Levels I and II) (DENA) (p. 50)	Fall 2016	3 semesters	Health Sciences, Nursing and Emergency Services
Dental Hygiene (DHYG) (p. 52)	Fall 2016	6 semesters	Health Sciences, Nursing and Emergency Services
Design and Visual Arts (ADSP) (p. 55)	Fall 2016	4 semesters	Creative Arts, Music and Design
Developmental Services Worker (DSWP) (p. 57)	Fall 2016	4 semesters	Community Services
Developmental Services Worker - Alternate Delivery (DSAD) (p. 59)	Fall 2016	4 semesters	Community Services
Diagnostic Medical Sonography - Ultrasound (USPG) (p. 61)	Fall 2016	6 semesters	Health Sciences, Nursing and Emergency Services
Early Childhood Education (ECEP) (p. 64)	Fall 2016	4 semesters	Community Services
Early Childhood Education - Alternate Delivery (ECAD) (p. 66)	Fall 2016	5 semesters	Community Services
Electrical Engineering Technician - Industrial (EETN) (p. 68)	Fall 2016	4 semesters	Skills and Trades Training
Electrical Techniques (EETQ) (p. 72)	Fall 2016	2 semesters	Skills and Trades Training
Electrical Engineering Technology (EETY) (p. 70)	Fall 2016	6 semesters	Skills and Trades Training
Environmental Field Techniques (EFTP) (p. 74)	Fall 2016	3 semesters	Environmental Studies
Environmental Monitoring and Impact Assessment (EMPD) (p. 75)	Fall 2016	3 semesters	Environmental Studies
General Arts and Science Certificate (GAPG) (p. 78)	Fall 2016	2 semesters	General Studies
General Arts and Science - College Exploration (GAEP) (p. 77)	Fall 2016	4 semesters	General Studies

General Arts and Science - English for Academic Purposes (EAPP) (p. 79)	Fall 2016	2 semesters	General Studies
Graphic Design (PAGD) (p. 81)	Fall 2016	6 semesters	Creative Arts, Music and Design
Heating, Ventilation, and Air Conditioning Technician (HVTN) (p. 83)	Fall 2016	4 semesters	Skills and Trades Training
Heating, Ventilation, and Air Conditioning Techniques (HVTQ) (p. 85)	Fall 2016	2 semesters	Skills and Trades Training
Heavy Equipment Technician (HDTN) (p. 86)	Fall 2016	4 semesters	Skills and Trades Training
Heavy Equipment Techniques (HDTQ) (p. 88)	Fall 2016	2 semesters	Skills and Trades Training
Human Resources Management - Graduate Certificate (HMPD) (p. 90)	Fall 2016	3 semesters	Business and Information Technology
IT Business Analysis (BAGC) (p. 92)	Fall 2016	3 semesters	Business and Information Technology
Independent Music Production (MPCP) (p. 93)	Fall 2016	2 semesters	Creative Arts, Music and Design
Industrial Mechanical Millwright Technician (IMTN) (p. 94)	Fall 2016	4 semesters	Skills and Trades Training
Industrial Mechanical Millwright Techniques (IMTQ) (p. 96)	Fall 2016	2 semesters	Skills and Trades Training
International Business Management (IBGC) (p. 98)	Fall 2016	3 semesters	Business and Information Technology
Magnetic Resonance Imaging (MRIP) (p. 100)	Fall 2016	2 semesters	Health Sciences, Nursing and Emergency Services
Medical Laboratory Technology (MLTY) (p. 102)	Fall 2016	7 semesters	Health Sciences, Nursing and Emergency Services
Medical Radiation Technology (MRTY) (p. 105)	Fall 2016	6 semesters	Health Sciences, Nursing and Emergency Services
Mining Engineering Technician (MNTN) (p. 107)	Fall 2016	4 semesters	Engineering Technology
Mining Engineering Technology (MNTY) (p. 109)	Fall 2016	6 semesters	Engineering Technology
Motive Power Technician - Service and Management (VMTN) (p. 111)	Fall 2016	4 semesters	Skills and Trades Training
Motive Power Technician - Truck and Coach (TCTN) (p. 113)	Fall 2016	4 semesters	Skills and Trades Training
Music - Performance (PATM) (p. 115)	Fall 2016	6 semesters	Creative Arts, Music and Design
Network Technician (NETN) (p. 117)	Fall 2016	4 semesters	Business and Information Technology
Organization Management (MOGC) (p. 119)	Fall 2016	2 semesters	Business and Information Technology
Paramedic (PARA) (p. 121)	Fall 2016	4 semesters	Health Sciences, Nursing and Emergency Services
Personal Support Worker (PSPG) (p. 123)	Fall 2016	2 semesters	Health Sciences, Nursing and Emergency Services
Personal Support Worker - Alternate Delivery (PSAD) (p. 125)	Fall 2016	3 semesters	Health Sciences, Nursing and Emergency Services
Personal Support Worker - Espanola (PSPE) (p. 127)	Fall 2016	2 semesters	Health Sciences, Nursing and Emergency Services
Personal Support Worker - Little Current (PSPL) (p. 129)	Fall 2016	3 semesters	Health Sciences, Nursing and Emergency Services
Personal Support Worker - Wikwemikong (PSPW) ( <a href="http://catalog.cambriancollege.ca/pspw">http://catalog.cambriancollege.ca/pspw</a> )	Fall 2016	3 semesters	Health Sciences, Nursing and Emergency Services
Physical Fitness Management (FLBU) (p. 131)	Fall 2016	6 semesters	Health Sciences, Nursing and Emergency Services
Police Foundations (PFPG) (p. 133)	Fall 2016	4 semesters	Law and Justice
Power Engineering Technician (PWTN) (p. 135)	Fall 2016	4 semesters	Skills and Trades Training
Power Engineering Techniques (PETQ) (p. 137)	Fall 2016	2 semesters	Skills and Trades Training
Power Engineering Technology (PWTY) (p. 139)	Fall 2016	7 semesters	Skills and Trades Training
Powerline Technician (PLTN) (p. 141)	Fall 2016	4 semesters	Skills and Trades Training
Practical Nursing (PNPD) (p. 144)	Fall 2016	4 semesters	Health Sciences, Nursing and Emergency Services
Pre-Health Sciences (HLPG) (p. 146)	Fall 2016	2 semesters	General Studies
Pre-Service Firefighter Education and Training (PSFP) (p. 148)	Fall 2016	3 semesters	Health Sciences, Nursing and Emergency Services
Pre-Trades/Technology (PRET) (p. 150)	Fall 2016	2 semesters	General Studies
Protection, Security, and Investigation (PSIP) (p. 151)	Fall 2016	4 Semesters	Law and Justice
Public Relations - Graduate Certificate (PRPD) (p. 155)	Fall 2016	2 semesters	Business and Information Technology
Public Relations (PRPG) (p. 153)	Fall 2016	6 semesters	Business and Information Technology

Social Service Worker (SSPG) (p. 157)	Fall 2016	4 semesters	Community Services
Theatre Arts - Technical Production (PATT) (p. 159)	Fall 2016	4 semesters	Creative Arts, Music and Design
Welding and Fabrication Technician (WFTN) (p. 161)	Fall 2016	4 semesters	Skills and Trades Training
Business Administration - Accounting (ACBU) (p. 26)	Winter 2017	6 semesters	Business and Information Technology
Business Fundamentals (BFPG) (p. 29)	Winter 2017	2 semesters	Business and Information Technology
Business Fundamentals - Online (BFPO) (p. 31)	Winter 2017	2 semesters	Business and Information Technology
General Arts and Science Certificate (GAPG) (p. 78)	Winter 2017	2 semesters	General Studies
Business Administration (BUAD) (p. 23)	Winter 2017	6 semesters	Business and Information Technology
Business - Accounting - Online (BUAO) (p. 21)	Winter 2017	4 semesters	Business and Information Technology
Business - Accounting (BUAP) (p. 19)	Winter 2017	4 semesters	Business and Information Technology
General Arts and Science - English for Academic Purposes (EAPP) (p. 79)	Winter 2017	2 semesters	General Studies
General Arts and Science - College Exploration (GAEP) (p. 77)	Winter 2017	2 semesters	General Studies
Business (GEBU) (p. 17)	Winter 2017	4 semesters	Business and Information Technology
Pre-Health Sciences (HLPG) (p. 146)	Winter 2017	2 semesters	General Studies
Human Resources Management - Graduate Certificate (HMPD) (p. 90)	Winter 2017	3 semesters	Business and Information Technology
International Business Management (IBGC) (p. 98)	Winter 2017	3 semesters	Business and Information Technology
Industrial Mechanical Millwright Techniques (IMTQ) (p. 96)	Winter 2017	2 semesters	Skills and Trades Training
Powerline Technician (PLTN) (p. 141)	Winter 2017	4 semesters	Skills and Trades Training

# ABORIGINAL EARLY CHILDHOOD EDUCATION (ECEO)

## Ontario College Diploma | 5 semesters | Oshki-Pimache-O-Win Educational Training Institute, Thunder Bay, Ontario

Delivered in partnership with the Oshki-Pimache-O-Win Education and Training Institute in Thunder Bay, this program is culturally-relevant and specific to Aboriginal communities. It provides you with the opportunity to develop the knowledge and skills necessary to organize and maintain a safe, stimulating early learning environment for children. The social, emotional, physical, and intellectual growth of the child is examined through academic studies in a blended delivery model that consists of 14 days of on-campus sessions two times per semester, as well as independent study.

You will complete field placement experiences in early childhood education settings in Thunder Bay as well as community placement hours in the your home community.

Upon successful completion of the program, you can apply to the College of Early Childhood Educators to become a Registered Early Childhood Educator (RECE).

### Program Highlights

- 2.5 years – 5 semesters
- Hands-on experience through placements in Thunder Bay and in your home community
- Courses completed through a combination of independent study and on-campus sessions
- Grads are eligible to apply to become a Registered Early Childhood Educator (RECE)

### Fieldwork/Placement

There will be a work placement in an early childhood centre in the first semester. In addition, there will be community placements during the remaining semesters. Students will be responsible for any expenses incurred during placement, such as transportation, meals, and accommodation.

Agencies will demand criminal record checks before granting a placement.

### Location

Oshki-Pimache-O-Win Educational Training Institute, Thunder Bay, Ontario

### Please Note

The official Ministry name for this program is Early Childhood Education - Binoojiinyag Kinoomaadwin and this is the name that will appear on your diploma.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Community Services (<http://cambriancollege.ca/field-of-study/community-services>)

## Admissions

### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

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

Recommended:

- Any grade 11 or 12 family studies (C), (U), or (M)
- computer competency in relevant areas

### Additional Requirements

- Two-step TB test
- Record of up-to-date immunization and a doctor's statement, which indicates freedom from communicable diseases, is needed prior to first semester fieldwork. Students are strongly advised to obtain the above items in July or August, prior to beginning to the first semester
- First Aid Certificate prior to first field placement
- Visit to a child care facility is strongly advised
- Criminal record check is required prior to field placements

### Additional Information

For further information, call 1-866-636-7454 or (807) 626-1891 or visit [www.oshki.ca](http://www.oshki.ca).

## APPLY NOW! (<http://ontariocolleges.ca/apply>)

### Fall 2016

### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Spring 2017  
Semester 4 - Fall 2017  
Semester 5 - Winter 2018

### Course Descriptions

Semester 1		Credits
ISP 1046	Introduction to Computers	1
NEC 1000	Field Seminar I	1
NEC 1016	Nutrition Health	3
NEC 1017	Intro. to Early Childhood Ed.	3
NEC 1030	The Creative Environment	3
NEC 1102	Child Growth Development I	3
The following General Education Course		3
PSY 1050	Introduction To Psychology I	3
Term Credits:		17
Semester 2		
ENG 1002	College Communication	3
NEC 1001	Field Seminar II	1
NEC 1020	Curriculum Planning I	3
NEC 1021	Observing and Recording	3
NEC 1022	Field Practicum II	6
NEC 1202	Child Growth Development II	3
Term Credits:		19

**Semester 3**

NEC 1023	Child Guidance	3
NEC 1024	Anti-Bias Curriculum	3
NEC 1025	Curriculum Planning II	3
NEC 2103	Infant Care	3
One of the following General Education Courses:		3
PSY 1125	Positive Psychology	3
PSY 2700	Client Comm. Leadership Develop	3
Term Credits:		15

**Semester 4**

ENG 1700	Communications II	3
NEC 1002	Field Seminar III	1
NEC 1006	Field Practicum III	4
NEC 1026	Curriculum Models	3
NEC 1027	Family Liaison	3
NEC 1028	Programs for School Aged Child	4
Term Credits:		18

**Semester 5**

NEC 1003	Field Seminar IV	1
NEC 1014	Leadership in ECE	3
NEC 1018	Field Practicum IV	6
NEC 1019	Inclusive Theory Practice	3
NEC 2203	Child Abuse	3
Term Credits:		16
Total Credits:		85

**University Degree Opportunities**

Graduates from this program may continue their studies at university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

**Contacts****Erin Morrison**

Training Consultant  
705-566-8101, ext 7275  
[erin.morrison@cambriancollege.ca](mailto:erin.morrison@cambriancollege.ca)

**Lori Parkinson**

Program Coordinator (OSHKI)  
807-626-1891  
[lparkinson@oshki.ca](mailto:lparkinson@oshki.ca)

**Fees****Tuition Fee (Canadian Students)**

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

**Books & Supplies**

The estimated cost of books and supplies for 2015-2016 is approximately \$2,000 for first year. This is the best information available at the time of publishing to the website and is subject to change.

**Graduate Options****Employment Opportunities**

Career opportunities involve a variety of age groups including infants, toddlers, preschoolers, and school age children. Many early childhood educators are also employed in programs for children with exceptionalities.

Graduates may find employment as:

- Educators and supervisors in child care centres and nursery schools
- A Registered ECE in Early Learning Kindergarten classrooms in public and private schools
- Licensed home child care providers
- Parental supports

# ACADEMIC UPGRADING (UPGR)

## Overview

Prepare for college programs. Increase your earning power. Get that job you have always wanted...through Cambrian College's Academic Upgrading program.

Do you want to:

- Upgrade math, English, science, or computer skills?
- Prepare for a postsecondary program or an apprenticeship?
- Improve your job opportunities and employment skills?
- Go back to school in an adult environment?
- Be independent?
- Obtain your high school equivalency certificate (ACE)?

Your future starts with us. The Academic and Career Entrance Certificate that you can obtain through Cambrian's Academic Upgrading program is a Grade 12 equivalency that is:

- Recognized as an equivalent to an OSSD (Ontario Secondary School Diploma) by all Ontario community colleges.
- Accepted by the Ministry of Training, Colleges and Universities as a grade 12 equivalency for Apprenticeships.
- Accepted by a number of employers as a grade 12 equivalency.

Individual timetables and courses of study are developed to accommodate the your training needs and personal schedules. The program has a continuous intake that runs 12 months a year and offers classes during days and evenings. You will have an opportunity to develop productive study habits, to practice speaking more effectively and to learn employability skills like critical thinking, team building, and problem-solving skills that employers are seeking.

## Location

This program is available at the following locations:

- Barrydowne (Sudbury) – (705) 566-8101, extension 7712
- Espanola – (705) 869-4113
- Little Current – (705) 368-3496

## Quick Links

General Studies (<http://cambriancollege.ca/field-of-study/general-studies>)

## Admissions

### Admission Requirements

Resident of Ontario

- Eligible to work in Ontario
- 19 years of age or older (18 years of age - interview required)

## Additional Information

Please note that applications for this program do not go through [ontariocolleges.ca](http://ontariocolleges.ca). To apply for Cambrian's Upgrading program, please call (705) 566-8101, extension 7712. Students can also apply by attending an information session, which is held every Tuesday morning at 10:30 a.m. in room 2253 at the College's Barrydowne campus.

Funding for childcare and transportation is available to those who qualify.

Duration varies according to individual needs.

## Intakes

### Program Delivery

For information on start dates, please contact one of the following locations:

- Barrydowne (Sudbury) – (705) 566-8101, extension 7712
- Espanola – (705) 869-4113
- Little Current – (705) 368-3496

## Fees

Academic Upgrading is offered free of charge.

## Contacts

**Barrydowne (Sudbury)**  
705-566-8101, ext 7712

**Espanola**  
705-869-4112

**Little Current**  
705-638-3496



# ADVANCED CARE PARAMEDIC - GRADUATE CERTIFICATE (APPD)

## Ontario College Graduate Certificate | 2 semesters | Barrydowne | Capped Enrolment

Add to your Primary Care Paramedic training to advance your career and increase your salary while making a difference in the health of your community. You will undertake advanced training delivered through a combination of classroom, simulation, clinical, and preceptorship environments. You will also complete preceptorship through a combination of ACP land and ACP flight exposure.

You can continue working as a Primary Care Paramedic during your studies.

### Program Highlights

- 1 year - 2 semesters
- 2 placements
- Opportunity to complete a combination of ACP land/ACP-flight preceptorship
- Possibility to work while you learn

### Capped Enrolment – 14 seats available

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Health Sciences, Nursing, and Emergency Services (<http://cambriancollege.ca/field-of-study/health-sciences-nursing-emergency-services>)

### Admissions

### Admission Requirements

Graduate of a CMA accredited Ontario College Primary Care Paramedic program or equivalent or a graduate of an Ontario Primary Care Paramedic program or equivalent or a graduate of an Ontario Primary Care Paramedic program which delivers theory and simulation instruction as outlined by the Paramedic Association of Canada and the National Occupational Competency Profile for Paramedicine (NOCP). Students must provide the College with evidence of completion of Simulation (S), Clinical (C) and Practicum (P) competencies as outlined under the NOCP.

### Additional Requirements

- Complete an entrance exam in order to be considered for acceptance
- Criminal record check (vulnerable sector screening)
- CPR/first aid (valid until the conclusion of the program)
- Class F license
- Current immunization status (as outlined by the Ministry of Health Emergency Health Services Branch)
- P95 and P100 Mask fit testing. (Can be completed during the first week of class)

### Additional Information

Upon completion of this program, graduates must be successful in the ACP examination set by the Ministry of Health, Emergency Health Services Branch, Ontario, in order to be certified as an Advanced Care

Paramedic and thus, to be eligible to work in an ambulance service in Ontario. To be eligible to work as an ACP(F), the student must also complete an Aeromedical course and be successful in the MoH Aeromedical exam.

## APPLY NOW! (<http://www.ontariocolleges.ca/apply>)

### Fall 2016

### Program Delivery

Semester 1 - Fall 2016

Semester 2 - Winter 2017

### Program of Study

Semester 1		Credits
APG 1001	Clinical Experience	16
APG 1002	Advanced Pharmacology	2
APG 7100	Professional Responsibilities	2
APG 7111	Physiology and Pathophysiology	4
APG 1003	Adv. Assessment Treatment	12
Term Credits:		36
Semester 2		
APG 1000	ACP Review Evaluation	1
APG 7288	ACP Clinical Experience	27
Term Credits:		28
Total Credits:		64

### Fees

#### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$12,911.00. Next year's tuition fees will be available by May 1, 2016.

#### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00. Next year's tuition fees will be available by May 1, 2016.

### Books and Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$1,400. This is the best information available at the time of publishing to the website and is subject to change.

### Graduate Options

#### Employment Opportunities

The need for Advanced Care Paramedics is growing. The employment growth rate is average to above average because of the aging population, increased coverage of health care plans, and new technological advancements. You may find employment with:

- Municipal and regional emergency medical services
- Health care services
- Flight transfer services (such as ORNGE, formerly Ontario Air Ambulance)
- Emergency medical services in other provinces or countries



## University Degree Opportunities

Graduates from this program may continue their studies at university and may receive credit for their prior College education.

Refer to [College/University Agreements](http://www.cambriancollege.ca/agreements) (<http://www.cambriancollege.ca/agreements>) for further information.

## Contacts

### **Brad Roney**

Program Coordinator

705-566-8101, ext 6320

[brad.roney@cambriancollege.ca](mailto:brad.roney@cambriancollege.ca)

# ANIMATION (ANPG)

## Ontario College Advanced Diploma | 6 semesters | Barrydowne

Learn how to tell dynamic and convincing 2D and 3D animated stories on screen from our talented professors who have worked on audience favourites like Tarzan, 9, and the Tom and Jerry Show.

Our program is based on the curriculum of Sheridan's renowned Animation program at the diploma level. You'll gain a working knowledge of traditional, 2D, and 3D methods of animation while becoming proficient with the 12 principles of animation. You'll develop strong and dynamic storytelling, drawing, and animation skills that are brought to life on screen through a series of projects and an eventual final film. When you graduate, you will be able to showcase convincing performances through both traditional and digital animation alongside a final production-ready portfolio.

### Program Highlights

- 3 years – 6 semesters
- Delivered through a partnership with Sheridan College and is based on the curriculum of Sheridan's renowned animation program
- Focuses on both 2D and 3D animation
- Develop skills in the College's 13,900-square-foot animation studio on the latest equipment and software
- Program is more concept-based than other animation programs and still emphasizes the importance of drawing techniques
- Learn from highly-experienced faculty who have worked around the world for Disney and Pixar

### 4D Learning Opportunities

In your third year, you'll showcase your work through:

- The School of Creative Arts and Design graduate exhibition in downtown Sudbury.
- A field trip to Toronto where you'll show off your best work to industry representatives.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Creative Arts, Music and Design (<http://cambriancollege.ca/field-of-study/creative-arts-music-design>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status including:

- Any grade 12 English (C), (U), or (M)
- Submission of a portfolio

Recommended:

- Grade 11 or 12 credits in visual arts and/or media arts (M) or (O)

### Additional Information

Graduates will be provided with an attestation noting that the curriculum for this program was provided through a partnership with Sheridan College. Sheridan and Cambrian have collaborated in the development and implementation of ongoing quality assurance processes to ensure that the program is consistent with the standards set by Sheridan College for Animation graduates at the diploma level.

### APPLY NOW! (<http://ontariocolleges.ca/apply>)

#### Fall 2016

#### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018  
Semester 5 - Fall 2018  
Semester 6 - Winter 2019

#### Program of Study

Semester 1		Credits
ANI 1001	Life Drawing I	3
ENG 1002	College Communication	3
ANI 1002	Animation I	3
ANI 1003	Design I	2
ANI 1004	Drawing and Painting I	3
ANI 1005	Digital Methodologies: Tools	2
ANI 1006	Visual Language	2
ANI 1121	Animation History and Styles	2
The following General Education course:		3
PSY 2700	Client Comm. Leadership Develop	3
Term Credits:		23
Semester 2		
ANI 1008	Animation II	3
ANI 1009	Design II	2
ANI 1010	Story Concepts	2
ANI 1011	Drawing and Painting II	3
ANI 1039	Life Drawing II	3
ANI 1226	Film Studies	2
ANI 1040	Digital Methodologies-3D I	3
Term Credits:		18
Semester 3		
ANI 1014	Animation III	3
ANI 1015	Design III	2
ANI 1016	Story and Visual Narrative I	2
ANI 1018	Digital Methodologies -2D Animation	2
ANI 1041	Life Drawing III	3
ANI 1042	Digital Methodologies-3D II	3
ANI 2315	Layout and Design I	3
One of the following General Education courses:		3
PSY 1001	Psychology of Evil	3

PSY 1125	Positive Psychology	3
Term Credits:		21
<b>Semester 4</b>		
ANI 1020	Animation IV	3
ANI 1021	Design IV	2
ANI 1022	Story and Visual Narrative II	2
ANI 1024	Performance	2
ANI 1025	Digital Methodologies-Modeling I	2
ANI 1043	Life Drawing IV	3
ANI 1044	Digital Methodologies-3D III	3
ANI 2415	Layout Design II	3
Term Credits:		20
<b>Semester 5</b>		
ANI 1028	Animation V	3
ANI 1026	Production Processes-Story	2
ANI 1029	Design V	2
ANI 1030	Production Processes-Layout	3
ANI 1032	Design and Art Direction	3
ANI 1045	Life Drawing V	3
ANI 1046	Digital Methodologies-3D IV	3
One of the following General Education courses:		3
MUS 1009	Rock Music, Culture Technology	3
SCI 1001	Human Sexuality	3
Term Credits:		22
<b>Semester 6</b>		
ANI 1034	Animation VI	6
ANI 1035	Design VI	2
ANI 1036	Production Processes-Background	3
ANI 1038	Digital Methodologies-Modeling II	3
ANI 1047	Life Drawing VI	3
ANI 1048	Digital Methodologies-3D V	3
Term Credits:		20
Total Credits:		124

## Graduate Options

### Employment Opportunities

Graduates may find employment in entertainment, information, and education, and training industries that include the following:

- Feature
- Television
- Advertising
- Internet
- Video games
- Visual aids

### Furthering Your Studies

Graduates from Cambrian College may apply to continue their studies at Sheridan College.

### University Degree Opportunities

Graduates from this program may continue their studies at university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

## Contacts

### James Munro

Program Coordinator  
705-566-8101, ext 7776  
[james.munro@cambriancollege.ca](mailto:james.munro@cambriancollege.ca)

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$7,855.14. Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,634.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2016-2017 is approximately \$750-\$1000. This is the best information available at the time of publishing to the website and is subject to change.

# ART AND DESIGN FUNDAMENTALS (AFPG)

## Ontario College Certificate | 2 semesters | Barrydowne

Whether you want to follow in the artistic footsteps of Vincent van Gogh or work alongside animators employed by industry giants like Pixar and Dreamworks, this program will give you a solid foundation in creative arts and get you started on whatever artistic adventure you choose to follow.

You will experiment with a diverse cross-section of style and media, including drawing, 2D and 3D design, illustration, graphic design, web design, digital photography and multi-media, and portfolio development. This intensive, hands-on experience will allow you to explore a wide range of media, subject, and style to strengthen your creative and artistic talents.

As a graduate, you can enter directly into the second year of Design and Visual Arts or use your portfolio to apply to specialized art or design programs.

### Program Highlights

- 1 year – 2 semesters
- Experiment with a diverse cross-section of style and media, including:
  - Drawing
  - 2D and 3D design
  - Illustration
  - Graphic design
  - Web design
  - Digital photography and multimedia
- Upon graduation you will have created a portfolio that encompasses a wide-range of visually stimulating pieces

### 4D Learning Opportunities

Art installations – You'll collaborate with students from all Creative Arts and Design programs to create and install a mural in Sudbury that will help beautify a public space.

Open Studio Art Gallery – You'll showcase your artwork in Cambrian's Open Studio gallery located in downtown Sudbury.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Creative Arts, Music and Design (<http://cambriancollege.ca/field-of-study/creative-arts-music-design>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

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

## Apply Now (<http://ontariocolleges.ca/apply>) Fall 2016

### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017

### Program of Study

Semester 1		Credits
AFP 1100	Ideas Imagery	3
AFP 1105	Design Fundamentals	3
AFP 1110	Colour and Design	2
AFP 1115	Presentation Skills	2
AFP 1120	Fundamentals of Drawing	3
AFP 1125	Fine Art Studio 2D	3
AFP 1130	Introduction to Art History	2
AFP 1135	Introduction to Digital Photography	3
The following General Education course:		3
SOC 1000	Introduction To Sociology	3
Term Credits:		24
Semester 2		
AFP 1000	Art Technology	2
AFP 1200	Life Drawing	3
AFP 1205	Drawing from your Imagination	3
AFP 1210	Applied Colour	3
AFP 1220	Intro to Digital Multimedia	2
AFP 1225	Analytical Drawing	3
AFP 1230	Fine Art Studio: 3-D	2
AFP 1235	Graphic Design Studio	3
Term Credits:		21
Total Credits:		45

### Fees

#### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

#### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

### Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$900. This is the best information available at the time of publishing to the website and is subject to change.

## **Graduate Options Furthering Your Studies**

Graduates of Art and Design Fundamentals can continue their studies and enter directly into the second year of the Design and Visual Arts program.

### **Contacts**

**Richard Neufeld**  
Program Coordinator  
705-566-8101, ext 7614  
[richard.neufeld@cambriancollege.ca](mailto:richard.neufeld@cambriancollege.ca)

# BACHELOR OF SCIENCE IN NURSING (BSCN)

## Degree | 8 semesters | Barrydowne | Limited Enrolment

Want a career where you'll be in demand, earn a good salary, make a difference in your community, and have access to national and international job opportunities? Earn your Bachelor of Science in Nursing degree through Cambrian, and you'll have the skills, knowledge, and practical experience to take on nursing roles in hospitals, long-term care settings, community care centres, and other health organizations.

The Laurentian University Four-Year Collaborative Nursing Program, in collaboration with Laurentian University, Northern College, St. Lawrence College, Sault College and Cambrian College, combines courses in the humanities, sciences, and social sciences with preparation in the theory and practice of nursing. Clinical experiences in hospitals and community health care agencies during the program enable you to put into practice the knowledge and skills learned in classes. You will have the opportunity to work with physicians, dietitians, physiotherapists, and members of other health care disciplines.

## Program Highlights

- 4 years – 8 semesters
- Placements in a variety of healthcare settings
- Hands-on training in Cambrian's high-tech nursing lab
- Mentorship opportunities in the College's onsite Medical Clinic
- Participate in community health promotion projects such as health fairs
- Cambrian grads consistently have an above-average pass rate for the College of Nurses of Ontario (CNO) registration exam

## Fieldwork/Placement

Throughout the program, you will have a rotation of clinical placements in hospitals, long-term care facilities, and community agencies. You must be prepared to cover any costs incurred with clinical placements in-town and out-of-town. Agency placements may occur on all shifts, especially during preceptorship rotations in semesters 7 and 8.

## 4D Learning Opportunities

Trip to Costa Rica – In 2015, students traveled to Costa Rica to help provide health education and check-ups to families and individuals.

Teddy Bear Picnic – Each year, Nursing students conduct a "health check" on teddy bears auctioned off at this fundraiser for the Canadian Cancer Society.

Nursing Student Council – Become a member of this student-led organization to help raise awareness of health issues on campus.

## Registration to Practice - Registered Nurse Designation

Upon successful completion of all courses as outlined in the program of study, you are eligible to write the examination for registered nurse

credentialing as set out by the College of Nurses of Ontario in semester 8. The cost of the exam will be your responsibility.

## Limited Enrolment – 80 seats available

Please note that possession of the requirements does not guarantee admission. If the number of qualified applicants exceeds the number of places available in the program, the College reserves the right to select from among those applicants. All students applying by February 1 will be given equal consideration. Preference will be given to Ontario residents. Please see the Limited Enrolment F.A.Q.'s on our website under "How to Apply (<http://catalog.cambriancollege.ca/bscn/cambriancollege.ca/apply>)" for further details.

## Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Health Sciences, Nursing and Emergency Services (<http://cambriancollege.ca/field-of-study/health-sciences-nursing-emergency-services>)

## Admissions

### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

- Any grade 12 English (U)
- Any grade 12 mathematics (U)
- Any grade 12 biology (U)
- Any grade 12 chemistry (U)
- Any 2 additional grade 12 courses (U) or (M)

Required: A minimum overall average of 75% in all prerequisite courses.

Note: Cambrian College's Pre-Health Sciences (HLPG) program is the designated preferred preparatory program for admission to Cambrian College's limited enrolment Health Sciences programs. Limited enrolment programs are identified within the detailed program descriptions. The minimum GPA and grades required for successful admission will be determined by the quality and quantity of the applicant pool.

## Additional Requirements

- Standard First Aid Certificate, Basic Cardiac Life Support Certificate (Canadian Heart and Stroke Guidelines), WHMIS certificate, AODA certificate, Respiratory Mask Fit testing (N-95 -3M model mask size), and Criminal Record Check.
- The student is also responsible to submit the entry immunization form (completed) by the date suggested on [mycambrian.ca](http://mycambrian.ca).
- This form includes the following immunization requirements:
  - Two-step TB test
  - Immunizations: tuberculosis screening, varicella, Measles, Mumps, Rubella and Varicella, Diphtheria, Tetanus and Pertussis, and Hepatitis B.
  - Current Influenza Immunization (when available for season)

## Additional Information

The student is responsible for the cost of appropriate uniforms and equipment (e.g. stethoscope, lab kit, watch, etc.) required for the clinical area. Upon successful completion of all courses as outlined in the program of study, the student is eligible to write the examination for

registered nurse credentialing as set out by the College of Nurses of Ontario in the 8th semester.

The student is also responsible for the following costs:

- Registered nurses examination
- Initial certificate of competence. Students will be informed of the cost for this examination, and it is their responsibility to pay this fee by the designated date.

**Apply Now!!** (<http://www.ontariocolleges.ca/apply>)

**Fall 2016**

## Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018  
Semester 5 - Fall 2019  
Semester 6 - Winter 2019  
Semester 7 - Fall 2019  
Semester 8 - Winter 2020

## Program of Study

Semester 1		Credits
BIO 2107	Human Anatomy and Physiology I <sup>1</sup>	6
BSN 1004	Self and Family Health	4
BSN 1056	Introduction to Professional Growth	3
BSN 1206	Self Others I: Personal Discovery	3
PSY 1115	Introductory Psychology <sup>1</sup>	6
Term Credits:		22
Semester 2		
BSN 1007	Family Exper/Chronic Health Challen	3
BSN 1194	Introduction to Nursing Practice	4
BSN 1207	Self/Others II:Interpers Relat/Awar	3
Term Credits:		10
Semester 3		
BIO 2036	Microbiology Health Sciences	3
BSN 2006	Healing I:Episodic Health Challenge	3
BSN 2184	Nursing Practice II	4
CHM 2222	Clinical Chemistry I <sup>1</sup>	6
One of the following Elective course:		3
PSY 1950 or BSN 2300	Developmental Psychology or Elective III	3
BSN 2300	Elective III	3
Term Credits:		19
Semester 4		
BSN 2057	Professional Growth II:Nursing Prof	3
BSN 2107	Pathophysiology: A Nursing Persp.	3
BSN 2144	Nursing Practice III	7
Term Credits:		13
Semester 5		

BSN 3005	Primary Health Care Health Promo. <sup>1</sup>	6
BSN 3056	Prof Growth III:Teac/Learn Pro Nurs	3
BSN 3084	Nursing Practice IV	4
BSN 3206	Self Others III:Helping Relations	3
BSN 3406	Nursing Inquiry	3
Term Credits:		19

### Semester 6

BSN 3066	Professional Growth IV: Empowerment	3
BSN 3094	Nursing Practice V	4
BSN 3416	Nursing Research	3
One of the following Elective courses:		3
PSY 2005	Psychopathology for Health Profess.	3
BSN 3500	Elective IV	3
Term Credits:		13

### Semester 7

BSN 4057	Professional Growth VI	3
BSN 4084	Nursing Practice VI	4
BSN 4206	Self Others IV: Group Process	3
BSN 4416	Nursing Research II	3
One of the following Elective courses:		3
SOC 4700	Family Issues	3
BSN 4700	Elective V	3
Term Credits:		16

### Semester 8

BSN 4056	Prof Growth V:Nurses Influe Changes	3
BSN 4094	Nursing Practice VII	9
Term Credits:		12
Total Credits:		124

<sup>1</sup> Full Year Course

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$6,961.50. Next year's tuition fees will be available by May 1, 2016.

### Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$3,000 for first year. This is the best information available at the time of publishing to the website and is subject to change.

### Graduate Options

### Employment Opportunities

A Bachelor of Science in Nursing enables graduates to work with individuals (children, adults, the elderly), families, and communities in:

- Hospitals
- Health care agencies



- Outposts
- Industries
- Schools
- Clients' homes

Nurses with a B.Sc.N. degree can pursue Masters and Doctoral studies to prepare for work as educators, clinical experts, and researchers.

## **Contacts**

### **Natalie Chevalier**

Program Coordinator, Years 1 and 2  
705-566-8101, ext 6309  
natalie.chevalier@cambriancollege.ca

### **Janet Binette**

Program Coordinator, Years 3 and 4  
705-566-8101, ext 6329  
janet.binette@cambriancollege.ca

# BUSINESS (GEBU)

## Ontario College Diploma | 4 semesters | Barrydowne

Interested in the world of business but not sure which career path to take? In just two years, Cambrian's Business program will expose you to the areas of finance, entrepreneurship, marketing, human resources, accounting, personnel management, new business development, and organizational planning. Launch your career or continue into the third year of Cambrian's Business Administration program when you graduate.

### Program Highlights

- Flexible learning options (traditional classrooms, online options, and virtual classes)
- Opportunities for experiential learning through clubs and competitions
- Common first and second year with other Business programs allows graduates to seamlessly transition into third year to earn an advanced diploma
- Exposure to all key business functions including finance, accounting, human resources, business development, and more

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Business and Information Technology (<http://cambriancollege.ca/field-of-study/business-and-information-technology>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): 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)

Recommended: computer competency in relevant software

### APPLY NOW! (<http://ontariocolleges.ca>)

#### McDonald's Applicants

Please proceed to the following link <http://cambriancollege.ca/mcdonalds>

### Fall 2016

#### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018

#### Program of Study

Semester 1		Credits
ACC 1100	Intro to Financial Accounting	4
BUS 1100	Business Mathematics	4
BUS 1034	Intro to Business Management	3

ENG 1002	College Communication	3
MKT 1004	Marketing I	3
HRP 1000	Intro to Human Resources	3
BUS 1035	Computer Apps for Business	3
Term Credits:		23

Semester 2		
ACC 1310	Financial Accounting II	4
BUS 1200	Financial Math	4
ECN 1101	Microeconomics	3
ENG 2205	Business Reports and Presentations	3
ISP 3026	Spreadsheet Management	3
MKT 1200	Introduction to Marketing II	3
The following General Education course:		3
PSY 1125	Positive Psychology	3
Term Credits:		23

Semester 3		
ACC 2310	Managerial Accounting	4
BUS 2040	Organizational Behavior	3
BUS 3500	Operations Management	4
ECN 1201	Macroeconomics	3
MKT 3680	Professional Selling	3
One of the following General Education courses:		3
POL 1500	Canadian Political Studies	3
SSC 1000	Media and Current Events	3
Term Credits:		20

Semester 4		
BUS 2041	Human Resources Management	3
BUS 1033	Statistics	4
BUS 2320	Business Law	3
BUS 3585	Entrepreneurship	3
BUS 1053	Corporate Social Responsibility	3
BUS 1037	Project Management	3
One of the following General Education courses:		3
MUS 1009	Rock Music, Culture Technology	3
SCI 1001	Human Sexuality	3
Term Credits:		22
Total Credits:		88

### Winter 2017

#### Program Delivery

Semester 1 - Winter 2017  
Semester 2 - Spring 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018

#### Program of Study

Semester 1		Credits
ACC 1100	Intro to Financial Accounting	4
BUS 1100	Business Mathematics	4

ENG 1002	College Communication	3
BUS 1034	Intro to Business Management	3
MKT 1004	Marketing I	3
HRP 1000	Intro to Human Resources	3
BUS 1035	Computer Apps for Business	3
Term Credits:		23
<b>Semester 2</b>		
ACC 1310	Financial Accounting II	4
BUS 1200	Financial Math	4
ECN 1101	Microeconomics	3
ENG 2205	Business Reports and Presentations	3
ISP 3026	Spreadsheet Management	3
MKT 1200	Introduction to Marketing II	3
The following General Education course:		3
PSY 1125	Positive Psychology	3
Term Credits:		23
<b>Semester 3</b>		
ACC 2310	Managerial Accounting	4
BUS 2040	Organizational Behavior	3
BUS 3500	Operations Management	4
ECN 1201	Macroeconomics	3
MKT 3680	Professional Selling	3
One of the following General Education courses:		3
POL 1500	Canadian Political Studies	3
SSC 1000	Media and Current Events	3
Term Credits:		20
<b>Semester 4</b>		
BUS 2041	Human Resources Management	3
BUS 1033	Statistics	4
BUS 2320	Business Law	3
BUS 3585	Entrepreneurship	3
BUS 1053	Corporate Social Responsibility	3
BUS 1037	Project Management	3
One of the following General Education courses:		3
MUS 1009	Rock Music, Culture Technology	3
SCI 1001	Human Sexuality	3
Term Credits:		22
Total Credits:		88

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$900 for first year. This is the best information available at the time of publishing to the website and is subject to change.

## Graduate Options

### Employment Opportunities

Graduates may seek employment within:

- Sales
- Retailing
- Wholesale
- Manufacturing
- Insurance
- Service industries
- Governmental departments
- Financial institutions
- Customer service

## University Degree Opportunities

Graduates from this program may continue their studies at university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

## Contacts

### Marnie Staffen

Program Coordinator  
705-566-8101, ext 6262  
marnie.staffen@cambriancollege.ca

# BUSINESS - ACCOUNTING (BUAP)

## Ontario College Diploma | 4 semesters | Barrydowne

Take our general accounting stream or specialize in First Nations organizations as you gain the skills and hands-on experience to land entry-level accounting positions within non-profits, corporations, and other for-profit organizations.

Following a first year of common curriculum shared by all accounting and business students, you will be immersed in accounting principles and practices and have the opportunity to gain real-world experience through a work placement.

This program will be delivered through both traditional classroom and online learning.

This program has been designed to accommodate students who want to continue their studies towards a degree or get entry into the professional accounting programs such as the Advanced Certificate in Accounting and Finance (ACAF) or the Certified Aboriginal Financial Manager (CAFM) designation. As a graduate, you may opt to take one additional year in the Business Administration - Accounting program to enhance your skills and obtain advanced standings into the ACAF and/or degree programs. In order to enter into the ACAF certificate or the CAFM designation programs, you must achieve a 60% average or more in certain courses and an overall average of 65% in Cambrian's Business – Accounting program.

### Program Highlights

- 2 years – 4 semesters
- Combination of in-class and online learning
- Successful graduates can enter into the 3rd year of Cambrian's Business Administration – Accounting program
- Opportunity to receive credits towards the Certified Aboriginal Financial Management (CAFM) designation or the Advanced Certificate in Accounting and Finance (ACAF)

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Business and Information Technology (<http://cambriancollege.ca/field-of-study/business-and-information-technology>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): 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)

Recommended: computer competency in relevant software

## APPLY NOW! (<http://ontariocolleges.ca/apply>)

### Fall 2016

#### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018

#### Program of Study

Semester 1		Credits
ACC 1100	Intro to Financial Accounting	4
BUS 1100	Business Mathematics	4
BUS 1034	Intro to Business Management	3
ENG 1002	College Communication	3
MKT 1004	Marketing I	3
HRP 1000	Intro to Human Resources	3
BUS 1035	Computer Apps for Business	3
Term Credits:		23
<b>Semester 2</b>		
ACC 1310	Financial Accounting II	4
BUS 1200	Financial Math	4
ECN 1101	Microeconomics	3
ENG 2205	Business Reports and Presentations	3
ISP 3026	Spreadsheet Management	3
MKT 1200	Introduction to Marketing II	3
The following General Education course:		3
PSY 1125	Positive Psychology	3
Term Credits:		23
<b>Semester 3</b>		
ACC 1117	Intermediate Accounting I (Assets)	5
ACC 2320	Management Accounting I	4
BUS 2040	Organizational Behavior	3
FIN 1006	Finance I	4
ECN 1201	Macroeconomics	3
Select one of the following General Education courses:		3
FIT 1115	Health Wellness	3
SOC 1007	Intro to Indigenous Studies	3
Term Credits:		22
<b>Semester 4</b>		
ACC 1118	Intermediate Accounting II (Liabilities)	4
BUS 2320	Business Law	3
BUS 1033	Statistics	4
ACC 1023	Intro to Personal Taxation	4
ACC 1022	Accounting Information Systems	3
Select one of the following General Education courses:		3
SOC 1010	Cross-Cultural Understanding	3

SSC 1000	Media and Current Events	3
Term Credits:		21
Total Credits:		89

SOC 1010	Cross-Cultural Understanding	3
SSC 1000	Media and Current Events	3
Term Credits:		21
Total Credits:		89

## Winter 2017 Program Delivery

Semester 1 - Winter 2017  
Semester 2 - Spring 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018

## Program of Study

### Semester 1

		Credits
ACC 1100	Intro to Financial Accounting	4
BUS 1100	Business Mathematics	4
BUS 1034	Intro to Business Management	3
ENG 1002	College Communication	3
MKT 1004	Marketing I	3
HRP 1000	Intro to Human Resources	3
BUS 1035	Computer Apps for Business	3
Term Credits:		23

### Semester 2

ACC 1310	Financial Accounting II	4
BUS 1200	Financial Math	4
ECN 1101	Microeconomics	3
ENG 2205	Business Reports and Presentations	3
ISP 3026	Spreadsheet Management	3
MKT 1200	Introduction to Marketing II	3
The following General Education course:		3
PSY 1125	Positive Psychology	3
Term Credits:		23

### Semester 3

ACC 1117	Intermediate Accounting I (Assets)	5
ACC 2320	Management Accounting I	4
BUS 2040	Organizational Behavior	3
FIN 1006	Finance I	4
ECN 1201	Macroeconomics	3
Select one of the following General Education courses:		3
FIT 1115	Health Wellness	3
SOC 1007	Intro to Indigenous Studies	3
Term Credits:		22

### Semester 4

ACC 1118	Intermediate Accounting II (Liabilities)	4
BUS 2320	Business Law	3
BUS 1033	Statistics	4
ACC 1023	Intro to Personal Taxation	4
ACC 1022	Accounting Information Systems	3
Select one of the following General Education courses:		3

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$1,000 for the first year. This is the best information available at the time of publishing and is subject to change.

## Graduate Options

### Employment Opportunities

Graduates may find employment as:

- Accounts payable/receivable clerks/analysts
- Small business accountants
- Tax return preparers
- Various other accounting, bookkeeping, and related office positions

## University Degree Opportunities

Graduates of this program may continue their studies at university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

## Contacts

**Chris Leduc**  
Program Coordinator  
705-566-8101, ext 6446  
[chris.leduc@cambriancollege.ca](mailto:chris.leduc@cambriancollege.ca)

# BUSINESS - ACCOUNTING - ONLINE (BUAO)

## Ontario College Diploma | 4 semesters | Online

Prepare for career opportunities from the comfort of your own home. Take our general accounting stream as you gain the skills and hands-on experience to land entry-level accounting positions within non-profits, corporations, and other for-profit organizations.

Following a first year of common curriculum shared by all accounting and business students, you will be immersed in accounting principles and practices and have the opportunity to gain real-world experience through a work placement.

This program will be delivered online. It has been designed to accommodate students who want to continue their studies towards an online degree or get entry into the professional accounting programs such as the Advanced Certificate in Accounting and Finance (ACAF) or the Certified Aboriginal Financial Manager (CAFM) designation. As a graduate, you may opt to take one additional year in the Business Administration - Accounting program to enhance your skills, obtain advanced standings into the ACAF, and/or obtained advanced standing for a degree program. In order to enter into the ACAF certificate or the CAFM designation programs, students must achieve a 60% average or more in certain courses and an overall average of 65% in Cambrian's Business - Accounting - Online program.

## Program Highlights

- 2 years – 4 semesters
- All courses delivered online
- Successful graduates can enter into the 3rd year of Cambrian's Business Administration – Accounting program
- Opportunity to receive credits towards the Certified Aboriginal Financial Management (CAFM) designation or the Advanced Certificate in Accounting and Finance (ACAF)

## Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Business and Information Technology (<http://cambriancollege.ca/field-of-study/business-and-information-technology>)

## Admissions

### Admissions Requirements

For graduates of the new curriculum (OSS): 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)

Recommended: computer competency in relevant software

## APPLY NOW! (<http://ontariocolleges.ca/apply>) Fall 2016

### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018

### Program of Study

Semester 1		Credits
ACC 1100	Intro to Financial Accounting	4
BUS 1100	Business Mathematics	4
BUS 1034	Intro to Business Management	3
ENG 1002	College Communication	3
MKT 1004	Marketing I	3
HRP 1000	Intro to Human Resources	3
BUS 1035	Computer Apps for Business	3
Term Credits:		23
<b>Semester 2</b>		
ACC 1310	Financial Accounting II	4
BUS 1200	Financial Math	4
ECN 1101	Microeconomics	3
ENG 2205	Business Reports and Presentations	3
ISP 3026	Spreadsheet Management	3
MKT 1200	Introduction to Marketing II	3
The following General Education course:		3
PSY 1125	Positive Psychology	3
Term Credits:		23
<b>Semester 3</b>		
ACC 1117	Intermediate Accounting I (Assets)	5
ACC 2320	Management Accounting I	4
BUS 2040	Organizational Behavior	3
FIN 1006	Finance I	4
ECN 1201	Macroeconomics	3
Select one of the following General Education courses:		3
FIT 1115	Health Wellness	3
SOC 1007	Intro to Indigenous Studies	3
Term Credits:		22
<b>Semester 4</b>		
ACC 1118	Intermediate Accounting II (Liabilities)	4
BUS 2320	Business Law	3
BUS 1033	Statistics	4
ACC 1023	Intro to Personal Taxation	4
ACC 1022	Accounting Information Systems	3
Select one of the following General Education courses:		3
SOC 1010	Cross-Cultural Understanding	3

SSC 1000	Media and Current Events	3
Term Credits:		21
Total Credits:		89

SOC 1010	Cross-Cultural Understanding	3
SSC 1000	Media and Current Events	3
Term Credits:		21
Total Credits:		89

## Winter 2017 Program Delivery

Semester 1 - Winter 2017  
Semester 2 - Spring 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018

## Program of Study

### Semester 1

ACC 1100	Intro to Financial Accounting	4
BUS 1100	Business Mathematics	4
BUS 1034	Intro to Business Management	3
ENG 1002	College Communication	3
MKT 1004	Marketing I	3
HRP 1000	Intro to Human Resources	3
BUS 1035	Computer Apps for Business	3
Term Credits:		23

### Semester 2

ACC 1310	Financial Accounting II	4
BUS 1200	Financial Math	4
ECN 1101	Microeconomics	3
ENG 2205	Business Reports and Presentations	3
ISP 3026	Spreadsheet Management	3
MKT 1200	Introduction to Marketing II	3
The following General Education course:		3
PSY 1125	Positive Psychology	3
Term Credits:		23

### Semester 3

ACC 1117	Intermediate Accounting I (Assets)	5
ACC 2320	Management Accounting I	4
BUS 2040	Organizational Behavior	3
FIN 1006	Finance I	4
ECN 1201	Macroeconomics	3
Select one of the following General Education courses:		3
FIT 1115	Health Wellness	3
SOC 1007	Intro to Indigenous Studies	3
Term Credits:		22

### Semester 4

ACC 1118	Intermediate Accounting II (Liabilities)	4
BUS 2320	Business Law	3
BUS 1033	Statistics	4
ACC 1023	Intro to Personal Taxation	4
ACC 1022	Accounting Information Systems	3
Select one of the following General Education courses:		3

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$1,000 for two semesters. This is the best information available at the time of publishing and is subject to change.

## Graduate Options

### Employment Opportunities

Graduates may find employment as:

- Accounts payable/receivable clerks/analysts
- Small business accountants
- Tax return preparers
- Various other accounting, bookkeeping, and related office positions

## University Degree Opportunities

Graduates from this program may continue their studies at university and may receive credit for their prior postsecondary education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

## Contacts

**Chris Leduc**  
Program Coordinator  
705-566-8101, ext 6446  
[chris.leduc@cambriancollege.ca](mailto:chris.leduc@cambriancollege.ca)



# BUSINESS ADMINISTRATION (BUAD)

## Ontario College Advanced Diploma | 6 semesters | Barrydowne

Arm yourself with the necessary skills in human resources, marketing, entrepreneurship, finance, and operations in order to play an important role in any small- to large-sized businesses, as well as entrepreneurial ventures. In your third year, you can choose a specialization in one of two key areas: marketing or management, and will put your skills to work in a field placement in your final semester.

### Program Highlights

- 3 years – 6 semesters
- Industry experienced professors provide real-world connections to learning.
- Flexible learning options (traditional classrooms, online options, and virtual classes)
- Opportunities for experiential learning through clubs and competitions
- 7 to 8-week unpaid placement provides valuable real-world experience and connections to the business world
- Course options allow you to build specialized skills in marketing, management, and/or business planning
- Opportunities to earn a degree through articulation agreements with various universities

### Fieldwork/Placement

All Business Administration students are required to complete an unpaid placement in the final semester of the program. The placement provides an opportunity for students to put their business skills to the test in an actual workplace of their choice. This hands-on approach allows students to gain experience in their chosen field while building relationships and their resumes.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Business and Information Technology (<http://cambriancollege.ca/field-of-study/business-and-information-technology>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): 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)

Recommended: computer competency in relevant software

## APPLY NOW! (<http://ontariocolleges.ca/apply>) Fall 2016

### Program Delivery

Semester 1 - Fall 2016

Semester 2 - Winter 2017

Semester 3 - Fall 2017

Semester 4 - Winter 2018

Semester 5 - Fall 2018

Semester 6 - Winter 2019

### Program of Study

Semester 1		Credits
ACC 1100	Intro to Financial Accounting	4
BUS 1100	Business Mathematics	4
ENG 1002	College Communication	3
BUS 1034	Intro to Business Management	3
MKT 1004	Marketing I	3
HRP 1000	Intro to Human Resources	3
BUS 1035	Computer Apps for Business	3
Term Credits:		23
Semester 2		
ACC 1310	Financial Accounting II	4
BUS 1200	Financial Math	4
ECN 1101	Microeconomics	3
ENG 2205	Business Reports and Presentations	3
ISP 3026	Spreadsheet Management	3
MKT 1200	Introduction to Marketing II	3
The following General Education course:		3
PSY 1125	Positive Psychology	3
Term Credits:		23
Semester 3		
ACC 2310	Managerial Accounting	4
BUS 2040	Organizational Behavior	3
BUS 3500	Operations Management	4
ECN 1201	Macroeconomics	3
MKT 3680	Professional Selling	3
One of the following General Education Courses:		3
POL 1500	Canadian Political Studies	3
SSC 1000	Media and Current Events	3
Term Credits:		20
Semester 4		
BUS 2041	Human Resources Management	3
BUS 2320	Business Law	3
BUS 1033	Statistics	4
BUS 3585	Entrepreneurship	3
BUS 1053	Corporate Social Responsibility	3
BUS 1037	Project Management	3
One of the following General Education Courses:		3
MUS 1009	Rock Music, Culture Technology	3
SCI 1001	Human Sexuality	3
Term Credits:		22
Semester 5		
BUS 3595	Business Research	4

BUS 3655	Business Plan Project	2
MKT 3550	Marketing Management	3
ACC 1116	Management Information Systems	4
One of the following groups of Elective courses:		7
BUS 1055 & FIN 1001	Statistics II and Corporate Finance	7
MKT 2370 & MKT 1002	Retailing and Digital Media and Marketing	8
Term Credits:		20
<b>Semester 6</b>		
BUS 1046	Work Placement	7
BUS 1056	International Management	4
One of the following groups of Elective courses:		6
MKT 2480 & MKT 1003	Consumer Behaviour and Marketing Simulation	6
FIN 1005 & BUS 1040	Financial Planning and Management Simulation	6
Term Credits:		17
Total Credits:		125

## Winter 2017 Program Delivery

Semester 1 - Winter 2017  
Semester 2 - Spring 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018  
Semester 5 - Fall 2018  
Semester 6 - Winter 2019

## Program of Study

		Credits
<b>Semester 1</b>		
ACC 1100	Intro to Financial Accounting	4
BUS 1100	Business Mathematics	4
ENG 1002	College Communication	3
BUS 1034	Intro to Business Management	3
MKT 1004	Marketing I	3
HRP 1000	Intro to Human Resources	3
BUS 1035	Computer Apps for Business	3
Term Credits:		23
<b>Semester 2</b>		
ACC 1310	Financial Accounting II	4
BUS 1200	Financial Math	4
ECN 1101	Microeconomics	3
ENG 2205	Business Reports and Presentations	3
ISP 3026	Spreadsheet Management	3
MKT 1200	Introduction to Marketing II	3
The following General Education course:		3
PSY 1125	Positive Psychology	3
Term Credits:		23

<b>Semester 3</b>		
ACC 2310	Managerial Accounting	4
BUS 2040	Organizational Behavior	3
BUS 3500	Operations Management	4
ECN 1201	Macroeconomics	3
MKT 3680	Professional Selling	3
One of the following General Education Courses:		3
POL 1500	Canadian Political Studies	3
SSC 1000	Media and Current Events	3
Term Credits:		20

<b>Semester 4</b>		
BUS 2041	Human Resources Management	3
BUS 2320	Business Law	3
BUS 1033	Statistics	4
BUS 3585	Entrepreneurship	3
BUS 1053	Corporate Social Responsibility	3
BUS 1037	Project Management	3
One of the following General Education Courses:		3
MUS 1009	Rock Music, Culture Technology	3
SCI 1001	Human Sexuality	3
Term Credits:		22

<b>Semester 5</b>		
BUS 3595	Business Research	4
BUS 3655	Business Plan Project	2
MKT 3550	Marketing Management	3
ACC 1116	Management Information Systems	4
One of the following groups of Elective courses:		7
BUS 1055 & FIN 1001	Statistics II and Corporate Finance	7
MKT 2370 & MKT 1002	Retailing and Digital Media and Marketing	8
Term Credits:		20

<b>Semester 6</b>		
BUS 1046	Work Placement	7
BUS 1056	International Management	4
One of the following groups of Elective courses:		6
MKT 2480 & MKT 1003	Consumer Behaviour and Marketing Simulation	6
FIN 1005 & BUS 1040	Financial Planning and Management Simulation	6
Term Credits:		17
Total Credits:		125

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

## Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$900 for first year. This is the best information available at the time of publishing to the website and is subject to change.

## Graduate Options

### Employment Opportunities

Graduates may seek employment in:

- Retail organizations
- Investment firms
- Insurance companies
- Commercial development firms
- Municipal, provincial, and federal governments
- Manufacturing firms
- Advertising agencies
- Financial institutes
- Marketing agencies

## University Degree Opportunities

Graduates from this program may continue their studies at university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

## Contacts

### Marnie Staffen

Program Coordinator

705-566-8101, ext 6262

[marnie.staffen@cambriancollege.ca](mailto:marnie.staffen@cambriancollege.ca)

# BUSINESS ADMINISTRATION - ACCOUNTING (ACBU)

## Ontario College Advanced Diploma | 6 semesters | Barrydowne

In Cambrian's advanced program, you'll benefit from hands-on training in the latest industry software, a placement opportunity, multiple pathways to degree programs, and credits that can be used towards a professional designation.

The Business Administration – Accounting program blends traditional lectures with interactive student discussions, formal presentations, individual work, and practical case studies that model the real business world. The program balances an intense focus on accounting with a broad education in other areas of business by combining courses in financial accounting, managerial skills, finance, cost accounting systems, auditing, computerized accounting, and personal and corporate income taxation. A placement in semester six provides additional hands-on experience and opportunities for networking.

This program has been designed to prepare students who want direct entry into the workforce and/or obtain advanced standing into professional accounting programs such as the Advanced Certificate in Accounting and Finance (ACAF) or the Certified Aboriginal Financial Manager (CAFM) designation. In order to obtain advanced standing in the credits for the ACAF certificate or the CAFM designation, students must achieve a 60% average or more in certain courses and an overall average of 65% in the program.

### Program Highlights

- 3 years – 6 semesters
- Field placement in semester six
- Hands-on training in the latest accounting software including Sage 50, Profile, and Caseware
- Receive credits towards the Advanced Certificate in Accounting and Finance (ACAF) and/or Certified Aboriginal Financial Management (CAFM) designation
- Agreements with universities allows successful graduates to fast-track through a related degree program

### Fieldwork/Placement

All Business Administration - Accounting students participate in an unpaid, practical experience in the sixth semester. The placement is arranged by the coordinator of field placement, and students are formally evaluated by their employers. This exposure to the working world enables students to put into practice their recently obtained skills and knowledge.

### 4D Learning Opportunities

Tax clinic – Each year, students provide tax preparation services free of charge to Cambrian students.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Business and Information Technology (<http://cambriancollege.ca/field-of-study/business-and-information-technology>)

## Admissions

### Admission Requirements

For graduates of the new curriculum (OSS): 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)

Recommended: computer competency in relevant software

## APPLY NOW! (<http://ontariocolleges.ca/apply>)

### Fall 2016

### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018  
Semester 5 - Fall 2018  
Semester 6 - Winter 2019

### Program of Study

Semester 1		Credits
ACC 1100	Intro to Financial Accounting	4
BUS 1100	Business Mathematics	4
ENG 1002	College Communication	3
BUS 1034	Intro to Business Management	3
MKT 1004	Marketing I	3
HRP 1000	Intro to Human Resources	3
BUS 1035	Computer Apps for Business	3
Term Credits:		23
Semester 2		
ACC 1310	Financial Accounting II	4
BUS 1200	Financial Math	4
ECN 1101	Microeconomics	3
ENG 2205	Business Reports and Presentations	3
ISP 3026	Spreadsheet Management	3
MKT 1200	Introduction to Marketing II	3
The following General Education course:		3
PSY 1125	Positive Psychology	3
Term Credits:		23
Semester 3		
ACC 1117	Intermediate Accounting I (Assets)	5
FIN 1006	Finance I	4
BUS 2040	Organizational Behavior	3
ACC 2320	Management Accounting I	4
ECN 1201	Macroeconomics	3
One of the following General Education courses:		3
FIT 1115	Health Wellness	3
SOC 1007	Intro to Indigenous Studies	3
Term Credits:		22

<b>Semester 4</b>				MKT 1200	Introduction to Marketing II	3
ACC 1118	Intermediate Accounting II (Liabilities)	4	The following General Education course:			3
BUS 2320	Business Law	3	PSY 1125	Positive Psychology		3
BUS 1033	Statistics	4		Term Credits:		23
ACC 1023	Intro to Personal Taxation	4	<b>Semester 3</b>			
ACC 1022	Accounting Information Systems	3	ACC 1117	Intermediate Accounting I (Assets)		5
One of the following General Education courses:		3	FIN 1006	Finance I		4
SOC 1010	Cross-Cultural Understanding	3	BUS 2040	Organizational Behavior		3
SSC 1000	Media and Current Events	3	ACC 2320	Management Accounting I		4
	Term Credits:	21	ECN 1201	Macroeconomics		3
<b>Semester 5</b>				One of the following General Education courses:		3
ACC 1119	Intermediate Accounting III	4	FIT 1115	Health Wellness		3
ACC 3501	Auditing	5	SOC 1007	Intro to Indigenous Studies		3
MGT 1001	Management Control	4		Term Credits:		22
FIN 1007	Applied Finance	3	<b>Semester 4</b>			
ACC 1014	Corporate Tax and Remittances	4	ACC 1118	Intermediate Accounting II (Liabilities)		4
	Term Credits:	20	BUS 2320	Business Law		3
<b>Semester 6</b>				BUS 1033	Statistics	4
ACC 1115	Project Management	2	ACC 1023	Intro to Personal Taxation		4
ACC 1121	Integrated Case Analysis	3	ACC 1022	Accounting Information Systems		3
ACC 3610	Field Placement	7	One of the following General Education courses:			3
ACC 1021	Advanced Financial Accounting	4	SOC 1010	Cross-Cultural Understanding		3
	Term Credits:	16	SSC 1000	Media and Current Events		3
	Total Credits:	125		Term Credits:		21

## Winter 2017

### Program Delivery

Semester 1 - Winter 2017  
 Semester 2 - Spring 2017  
 Semester 3 - Fall 2017  
 Semester 4 - Winter 2018  
 Semester 5 - Fall 2018  
 Semester 6 - Winter 2019

### Program of Study

		Credits
<b>Semester 1</b>		
ACC 1100	Intro to Financial Accounting	4
BUS 1100	Business Mathematics	4
ENG 1002	College Communication	3
MKT 1004	Marketing I	3
BUS 1034	Intro to Business Management	3
HRP 1000	Intro to Human Resources	3
BUS 1035	Computer Apps for Business	3
	Term Credits:	23
<b>Semester 2</b>		
ACC 1310	Financial Accounting II	4
BUS 1200	Financial Math	4
ECN 1101	Microeconomics	3
ENG 2205	Business Reports and Presentations	3
ISP 3026	Spreadsheet Management	3

<b>Semester 5</b>			
ACC 1119	Intermediate Accounting III		4
ACC 3501	Auditing		5
MGT 1001	Management Control		4
FIN 1007	Applied Finance		3
ACC 1014	Corporate Tax and Remittances		4
	Term Credits:		20
<b>Semester 6</b>			
ACC 1115	Project Management		2
ACC 1121	Integrated Case Analysis		3
ACC 3610	Field Placement		7
ACC 1021	Advanced Financial Accounting		4
	Term Credits:		16
	Total Credits:		125

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## **Books & Supplies**

The cost of books and supplies for 2015-2016 is approximately \$1000 for first year. This is the best information available at the time of publishing to the website and is subject to change.

## **Graduate Options**

### **Employment Opportunities**

Graduates can pursue a wide range of excellent career opportunities with financial institutions (banking and finance), public accounting firms, large private and public companies, government agencies, tax preparation and financial planning firms, and retail sector organizations. Graduates may find employment as:

- General accountants
- Accounting technicians/staff accountants/cost accountants
- Internal auditors
- Small business operators
- Treasurers/financial analysts

## **University Degree Opportunities**

Graduates from this program may continue their studies at university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

## **Pathways**

This program has multiple pathway options. Please visit [OnTransfer.ca](http://OnTransfer.ca) (<http://ontransfer.ca>) for more information.

## **Contacts**

### **Chris Leduc**

Program Coordinator

705-566-8101, ext 6446

[chris.leduc@cambriancollege.ca](mailto:chris.leduc@cambriancollege.ca)

# BUSINESS FUNDAMENTALS (BFPG)

## Ontario College Certificate | 2 semesters | Barrydowne

Let's get down to business! This program is a common year for all business students, so graduates will be eligible for direct entry into the second year of the following diploma programs at Cambrian: General Business, Business Accounting, Business Administration and Business Administration - Accounting.

Business touches every single aspect of our lives. Everything we do, touch, see and hear has a business associated with it. Your career in business starts with the Business Fundamentals program at Cambrian College. Explore traditional business careers by gaining a solid introductory foundation in accounting, finance, human resources and marketing, and apply that knowledge in your current career or use it to pursue your passions.

### Program Highlights

- 1 year – 2 semesters
- Successful graduates can enter directly into the second year of Cambrian's diploma and advanced diploma Business programs
- Online delivery option available (see BFPO program)

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Business and Information Technology (<http://cambriancollege.ca/field-of-study/business-and-information-technology>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): 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)

Recommended: computer competency in relevant software

**APPLY NOW!** (<http://ontariocolleges.ca/apply>)

## Fall 2016

### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017

### Program of Study

Semester 1		Credits
ACC 1100	Intro to Financial Accounting	4
BUS 1100	Business Mathematics	4
BUS 1034	Intro to Business Management	3
ENG 1002	College Communication	3
MKT 1004	Marketing I	3

HRP 1000	Intro to Human Resources	3
BUS 1035	Computer Apps for Business	3
Term Credits:		23
<b>Semester 2</b>		
BUS 1200	Financial Math	4
ECN 1101	Microeconomics	3
ENG 2205	Business Reports and Presentations	3
ISP 3026	Spreadsheet Management	3
MKT 1200	Introduction to Marketing II	3
ACC 1310	Financial Accounting II	4
The following General Education course:		3
PSY 1125	Positive Psychology	3
Term Credits:		23
Total Credits:		46

## Winter 2017 Program Delivery

Semester 1 - Winter 2017  
Semester 2 - Spring 2017

### Program of Study

Semester 1		Credits
ACC 1100	Intro to Financial Accounting	4
BUS 1100	Business Mathematics	4
ENG 1002	College Communication	3
BUS 1034	Intro to Business Management	3
MKT 1004	Marketing I	3
HRP 1000	Intro to Human Resources	3
BUS 1035	Computer Apps for Business	3
Term Credits:		23
<b>Semester 2</b>		
BUS 1200	Financial Math	4
ECN 1101	Microeconomics	3
ENG 2205	Business Reports and Presentations	3
ISP 3026	Spreadsheet Management	3
MKT 1200	Introduction to Marketing II	3
ACC 1310	Financial Accounting II	4
The following General Education course:		3
PSY 1125	Positive Psychology	3
Term Credits:		23
Total Credits:		46

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.



## **Tuition Fee (International Students)**

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## **Books & Supplies**

The estimated cost of books and supplies for 2015-2016 is approximately \$1000 for two semesters. This is the best information available at the time of publishing and is subject to change.

## **Graduate Options**

### **Employment Opportunities**

Graduates may seek employment in:

- Sales
- Wholesale
- Insurance
- Governmental departments
- Customer service
- Retailing
- Manufacturing
- Service industries
- Financial institutions

## **University Degree Opportunities**

Graduates from this program may continue their studies at university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

## **Contacts**

### **Meghan Corcoran**

Program Coordinator

705-566-8101, ext 6860

[meghan.corcoran@cambriancollege.ca](mailto:meghan.corcoran@cambriancollege.ca)

# BUSINESS FUNDAMENTALS - ONLINE (BFPO)

## Ontario College Certificate | 2 semesters | Online

Let's get down to business! This program is a common year for all business students, so graduates will be eligible for direct entry into the second year of the following diploma programs at Cambrian: General Business, Business Accounting, Business Administration and Business Administration- Accounting.

Business touches every single aspect of our lives. Everything we do, touch, see and hear has a business associated with it. Your career in business starts with the Business Fundamentals program at Cambrian College. Explore traditional business careers by gaining a solid introductory foundation in accounting, finance, human resources and marketing, and apply that knowledge in your current career or use it to pursue your passions.

### Program Highlights

- 1 year – 2 semesters
- All courses delivered online
- Successful graduates can enter directly into the second year of Cambrian's diploma and advanced diploma Business programs

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Business and Information Technology (<http://cambriancollege.ca/field-of-study/business-and-information-technology>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): 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)

Recommended: computer competency in relevant software

**APPLY NOW!** (<http://ontariocolleges.ca/apply>)

### Fall 2016

#### Program Delivery

Semester 1 - Fall 2016

Semester 2 - Winter 2017

#### Program of Study

Semester 1		Credits
ACC 1100	Intro to Financial Accounting	4
BUS 1100	Business Mathematics	4
BUS 1034	Intro to Business Management	3
ENG 1002	College Communication	3
MKT 1004	Marketing I	3
HRP 1000	Intro to Human Resources	3

BUS 1035	Computer Apps for Business	3
Term Credits:		23
<b>Semester 2</b>		
BUS 1200	Financial Math	4
ECN 1101	Microeconomics	3
ENG 2205	Business Reports and Presentations	3
ISP 3026	Spreadsheet Management	3
MKT 1200	Introduction to Marketing II	3
ACC 1310	Financial Accounting II	4
The following General Education course:		3
PSY 1125	Positive Psychology	3
Term Credits:		23
Total Credits:		46

### Winter 2017

#### Program Delivery

Semester 1 - Winter 2017

Semester 2 - Spring 2017

#### Program of Study

Semester 1		Credits
ACC 1100	Intro to Financial Accounting	4
BUS 1100	Business Mathematics	4
BUS 1034	Intro to Business Management	3
ENG 1002	College Communication	3
MKT 1004	Marketing I	3
HRP 1000	Intro to Human Resources	3
BUS 1035	Computer Apps for Business	3
Term Credits:		23
<b>Semester 2</b>		
BUS 1200	Financial Math	4
ECN 1101	Microeconomics	3
ENG 2205	Business Reports and Presentations	3
ISP 3026	Spreadsheet Management	3
MKT 1200	Introduction to Marketing II	3
ACC 1310	Financial Accounting II	4
The following General Education course:		3
PSY 1125	Positive Psychology	3
Term Credits:		23
Total Credits:		46

### Fees

#### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

## **Tuition Fee (International Students)**

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## **Books & Supplies**

The estimated cost of books and supplies for 2015-2016 is approximately \$1,000 for two semesters. This is the best information available at the time of publishing and is subject to change.

## **Graduate Options**

## **Employment Opportunities**

Graduates may seek employment in:

- Sales
- Wholesale
- Insurance
- Governmental departments
- Customer service
- Retailing
- Manufacturing
- Service industries
- Financial institutions

## **University Degree Opportunities**

Graduates from this program may continue their studies at university and may receive credit for their prior College education.

Please refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

## **Contacts**

### **Meghan Corcoran**

Program Coordinator

705-566-8101, ext 6860

[meghan.corcoran@cambriancollege.ca](mailto:meghan.corcoran@cambriancollege.ca)

# CARPENTRY RENOVATION TECHNIQUES (CRTQ)

## Ontario College Certificate | 3 semesters | Barrydowne | Capped Enrolment

In just 36 weeks, you will gain the skills necessary to enter the construction and renovation sector. You will develop practical construction skills through hands-on activities while also gaining a basic understanding of how to plan, estimate, manage, and deliver a typical renovation project. You will also learn to identify hazardous practices and adhere to safety standards on the job site, emphasizing personal safety and safe environmental practices at all times.

### Program Highlights

- 1 year – 3 semesters
- Courses cover all aspects of carpentry projects, including planning, estimating, building codes, framing, welding, and more
- Focus on renovation projects in semester 3
- Hands-on experience in the carpentry shop and through community projects
- Safe working practices emphasized throughout courses

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Skills and Trades Training (<http://cambriancollege.ca/field-of-study/skills-and-trades-training>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): 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)

## APPLY NOW! (<http://ontariocolleges.ca/apply>) Fall 2016

### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Spring 2017

### Program Delivery

Semester 1		Credits
CCT 1106	Carpentry Safety Tools	8
CCT 1115	Trade Calculation	1
CCT 1226	Layout Framing	11
CCT 1235	Plans, Specifications Codes	1
Term Credits:		21
Semester 2		
CCT 1135	Layout Sketching	1
CCT 1216	Residential Estimating	2

CCT 1270	Finishing / Woodworking	18
ENG 1002	College Communication	3
Term Credits:		24
Semester 3		
CCT 1245	Metal Cutting Welding	1
CCT 1255	Rigging	1
CCT 1275	Renovations	5
Term Credits:		7
Total Credits:		52

### Fees

#### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,947.98 for three semesters of study. Next year's tuition fees will be available by May 1, 2016.

#### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$16,157.90 for three semesters of study. Next year's tuition fees will be available by May 1, 2016.

### Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$1400. This is the best information available at the time of publishing to the website and is subject to change.

### Graduate Options

#### Employment Opportunities

As a graduate, you will find entry-level employment in the construction industry, specifically in the growing field of home renovation.

### Contacts

**Randy Rouleau**  
Program Coordinator  
705-566-8101, ext 6381  
[randy.rouleau@cambriancollege.ca](mailto:randy.rouleau@cambriancollege.ca)

# CHEMICAL ENG. TECHNOLOGY - LAB AND PROCESS CONTROL (CHLP)

## Ontario College Advanced Diploma | 7 semesters | Barrydowne

Imagine a career working in a laboratory environment developing the next generation of medications, developing new and improved fuels, extracting valuable metals from raw materials, or working on environmental sustainability. Chemical engineering is a broad field that delves into all of these areas and more.

Cambrian's Chemical Engineering Technology program is the only one of its kind in Ontario and is designed to develop the skill sets you will need to work in any of these exciting fields. It couples fundamental theory with the necessary hands-on, practical laboratory training required for employment in various chemical industries and environmental sectors. You will work independently and in groups to build the self-directed study and team work skills you will need within various workplace settings.

### Program Highlights

- 3 years – 7 semesters
- 2 paid co-ops
- The only lab and process control program in Ontario
- Quality control practices embedded throughout the program
- Master report writing techniques that meet the standards set by the Canadian Council of Technicians and Technologists

### Fieldwork/Placement

You are required to complete two co-operative work terms upon meeting the course pre-requisites. You may complete the two work placements during any of the non-academic semesters prior to graduation. These work terms provide you with the opportunity to apply classroom studies to an actual work situation.

### 4D Learning Opportunities

Chemical engineering conference – Students organize a conference each year with industry professionals to discuss jobs opportunities and trends in the industry, which also serves as a great networking opportunity.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Engineering Technology (<http://cambriancollege.ca/field-of-study/engineering-technology>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS):

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

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

- Any grade 12 mathematics (C) or (U) (MCT4C) is highly recommended)
- Any grade 11 or 12 chemistry (C) or (U)

Recommended:

- Any grade 12 physics (C) or (U)
- Computer competency in relevant software

### Additional Information

Students are responsible for the completion of the WHMIS course and a safety orientation course prior to going out on their first co-op placement. These courses are available through NORCAT. The students are also responsible for obtaining First Aid/CPR certification prior to the first co-op placement. This course is available through Continuing Education at Cambrian College. Proof of the completion of these courses must be presented to the Program Coordinator.

## APPLY NOW! (<http://ontariocolleges.ca/apply>) Fall 2016

### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018  
Semester 5 - Spring 2018  
Semester 6 - Fall 2018  
Semester 7 - Winter 2019

### Program of Study

Semester 1		Credits
CHM 1100	General Chemistry I	4
CHM 1101	General chemistry I	2
ENG 1002	College Communication	3
CHM 1109	Mineral Processing	4
MTH 1050	Algebra I	3
PHY 1112	Physical Principles	4
The following General Education course:		3
PSY 2700	Client Comm. Leadership Develop	3
Term Credits:		23
Semester 2		
CHM 1201	General Chemistry II Lab	2
CHM 1211	General Chemistry II	4
ENG 1754	Technical Communication II	3
INT 3101	Instrumentation I for Chemists	3
MTH 1250	Algebra II	3
PHY 1271	Physical Aspects of Chemistry	4
Term Credits:		19
Semester 3		
CHM 2320	Analytical Chemistry	5
CHM 2335	Organic Chemistry I	6
CHM 2435	Chemical Instrumentation I	4
EPT 2407	Field Sampling Camp	1
INT 2310	Instrumentation II for Chemists	3

MTH 2400	Calculus I	3
One of the following General Education courses:		3
FIT 1115	Health Wellness	3
PSY 1003	Concurrent Disorders, Mental Health Addictions	3
PSY 1125	Positive Psychology	3
SSC 1000	Media and Current Events	3
Term Credits:		25

**Semester 4**

CHM 2421	Analytical Chemistry II	5
CHM 2432	Unit Operations Calculations I	3
CHM 2445	Smelting and Refining	4
CHM 2455	O.s.h.a.	1
CHM 3601	Chemical Instrumentation II	4
INT 3201	Instrumentation Practices for Chem	3
MTH 3631	Calculus II	3
TEC 3501	Technical Report Research	1
Term Credits:		24

**Semester 5**

CHM 2500	Co-op Work Placement and Report	12
Term Credits:		12

**Semester 6**

PHY 1272	Fluid Mechanics	4
CHM 3635	Industrial Organic Chemistry	5
CHM 3653	Inorganic Chemistry	3
CHM 3672	Unit Operations Calculations II	5
MTH 2325	Technical Math III	3
TEC 3601	Technical Report	1
WTR 2300	Water Treatment	3
One of the following General Education courses:		3
ECN 1002	Economics	3
SCI 1000	Issues and Ethics in Science	3
Term Credits:		27

**Semester 7**

CHM 3700	Co-op Work Placement and Report II	12
Term Credits:		12
Total Credits:		142

**Books & Supplies**

The estimated cost of books and supplies for 2015-2016 is approximately \$1,000 for first year. This is the best information available at the time of publishing to the website and is subject to change.

**Graduate Options****Employment Opportunities**

Graduates may find employments as:

- Chemical technologists/technicians in mineral processing, petrochemicals, nuclear energy, food processing and testing, water treatment, pharmaceuticals, composite materials, and/or environmental conservation and control
- Water and wastewater operators
- Water quality analysts

**University Degree Opportunities**

Graduates from this program may continue their studies at university and receive credit for their College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

**Contacts****Hadi Fergani**

Program Coordinator  
705-566-8101, ext 7478  
hadi.fergani@cambriancollege.ca

**Fees****Tuition Fee (Canadian Students)**

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

**Tuition Fee (International Students)**

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

# CHILD AND YOUTH CARE (CYCP)

## Ontario College Advanced Diploma | 6 semesters | Barrydowne

Graduate from Cambrian's Child and Youth Care program in two years. Our nationally-accredited program offers a condensed delivery format and provides you with the knowledge and placement experiences you need to launch your career.

Through theory and lab courses and two block fieldwork semesters, you'll gain the knowledge and skills to work with children, adolescents, and their families who are experiencing emotional, behavioural, and mental health issues in a variety of settings. These settings include mental health, correctional, educational, and child welfare agencies and services.

Courses emphasize the acquisition of evidence-based theories and interventions, ensuring you can effectively facilitate positive change for children, youth, and their families.

Shift work, which includes nights, days, afternoons, and weekends, is a reality in many child and youth care settings (e.g. residential care), and students are required to follow the work schedules and routines of their fieldwork placements.

### Accreditation

Cambrian's Child and Youth Care program is nationally-accredited by the Child and Youth Care Educational Accreditation Board (CYCEAB).

### Program Highlights

- 2 years – 6 consecutive semesters
- 2 block placements (12 weeks each)
- The first and only program of its kind in Canada to be nationally accredited by the Child and Youth Care Educational Accreditation Board (CYCEAB)
- Condensed program with a combination of modular delivery and traditional classroom learning
- Theory, labs, and fieldwork prepare you to deal with complex social, emotional, mental, and physical issues faced by children/adolescents and their families
- Opportunities to earn additional certificates in class (Child and Adolescent Functional Assessment Scale, Applied Suicide Intervention Skills Training)

### Fieldwork/Placement

Every attempt is made to accommodate your request to complete your placements in the community/communities of your choice. However, it may be necessary to search for a placement opportunity outside of your preferred geographic area. You will be responsible for all placement-related costs.

### Delivery Format

This program is offered in a compressed delivery format. Students will complete two academic years of 10 months each (September to late June).

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Community Services (<http://cambriancollege.ca/field-of-study/community-services>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

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

Recommended:

- Any grade 10 physical education
- Computer competency in relevant software

#### Upgrading Requirements

- ENG 0350 with an A or B grade or ENG 0450
- CPO 0003

Recommended:

- MTH 0260 (recommended)

#### Additional Requirements

Prior to commencing placement, all students must have current:

- First Aid Certificate
- Criminal Record Check for vulnerable sector

#### Additional Information

Advanced standing may be granted on an individual basis to a limited number of students, based on prior credentials and prior learning in the field. A minimum of 4 semesters of study will be required to complete the Child and Youth Worker credential.

### APPLY NOW! (<http://ontariocolleges.ca/apply>)

#### Fall 2016

#### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Spring 2017  
Semester 4 - Fall 2017  
Semester 5 - Winter 2018  
Semester 6 - Spring 2018

#### Program of Study

Semester 1		Credits
CCW 1040	Group Process Pers. Devel.	3
CCW 1110	Fundamentals of Child Youth Care	3
CCW 1121	Child and Adolescent Development	4
CCW 1221	Intro to Mental Health Care	3
ENG 1002	College Communication	3
The following General Education course:		3
PSY 1050	Introduction To Psychology I	3
Term Credits:		19
Semester 2		
CCW 1000	Therapeutic Play	4



CCW 1250	Behaviour Management Skills	3
CCW 2431	Neglect Abuse	3
CCW 1240	Counselling And Interviewing I	3
CCW 1245	Field Placement Seminar I	1
CCW 3500	Program Development Skills	4
Term Credits:		18
<b>Semester 3</b>		
CCW 1001	Field Placement I	15
CCW 1002	Field Theory I	3
Term Credits:		18
<b>Semester 4</b>		
CCW 1006	Behaviour Programming	3
CCW 1225	Child Law and Legislation	3
CCW 3510	Field Placement Seminar II	1
CCW 3520	Family Intervention	3
ENG 1242	Speaking/Writing Comm. Services I	3
Two of the following General Education courses:		3
SOC 1007	Intro to Indigenous Studies	3
SSC 1000	Media and Current Events	3
BUS 1008	Personal Finance	3
GER 2310	Dementia	3
PSY 1125	Positive Psychology	3
SCI 1001	Human Sexuality	3
BUS 1015	Negotiation Labour Relations	3
Term Credits:		16
<b>Semester 5</b>		
CCW 1003	Field Placement II	15
CCW 1004	Field Theory II	3
Term Credits:		18
<b>Semester 6</b>		
CCW 1007	Academic Success Strategies	3
PSY 1003	Concurrent Disorders, Mental Health Addictions	3
CCW 1005	Rights and Advocacy	3
CCW 3040	Counselling And Interviewing II	3
CCW 1008	Health Care in CYC Practice	3
One of the following General Education courses:		3
CET 1003	Cybernation	3
SCI 1001	Human Sexuality	3
Term Credits:		18
Total Credits:		107

## Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$1200 for first year. The cost of books and supplies will be less in the second year. Student membership in the Ontario Association of Child and Youth Counsellors (\$32 annually) is highly recommended. This is the best information available at the time of publishing to the website and is subject to change.

## Graduate Options

### Employment Opportunities

Graduates typically find employment within:

- Community agencies
- Schools
- Youth detention facilities
- Children's Aid Societies
- Mental health services
- Residential care and treatment settings

## University Degree Opportunities

Graduates from this program may continue their studies at university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

## Contacts

### Maureen Keaney O'Brien

Program Coordinator  
705-566-8101, ext 6362  
[maureen.keaneyobrien@cambriancollege.ca](mailto:maureen.keaneyobrien@cambriancollege.ca)

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

# CIVIL ENGINEERING TECHNICIAN (CVTN)

## Ontario College Diploma | 4 semesters | Barrydowne

You will acquire the skills and knowledge to become a member of civil engineering teams that are responsible for planning, costing, building, maintaining, and rehabilitating roads, bridges, buildings, water distribution systems, and pipelines. Courses are focused on applying professionalism towards drafting, surveying, construction methods, costing, quality control, inspections, and laboratory testing.

The College's computer-aided drafting (CAD) laboratories provide you with practical, hands-on experience. You will also receive surveying training with electronic distance and angle measuring equipment that will be interfaced with coordinate geometry and drafting software. In addition, to meet the demand for structural steel detailers, you will learn automated structural detailing.

You are able to volunteer for community events such as the "Canstruction competition" that benefits the local food bank, and in second year, you will compete in a headframe competition where you will design, build, and test a structure to failure during Cambrian's Spring Open House.

The Infrastructure Opportunities Program (IOP) and the Municipal Engineering Opportunities Program (MEOP) provide opportunities for some students to gain summer work experiences in the construction, consulting, and government sectors.

### Program Highlights

- 2 years – 4 semesters
- Industry-experienced faculty
- Two-week surveying course at the end of the second semester
- Opportunity to gain summer employment through the Infrastructure Opportunities Partnership (IOP)
- Courses cover drafting, surveying, construction methods, costs, quality control, and inspections
- Gain extensive experience using computer-aided drafting (CAD)
- Graduates can seek membership with OACETT (Ontario Association of Certified Engineering Technicians and Technologists) to become certified as a C.Tech. (Certified Technician)

### Fieldwork/Placement

You will participate in a two-week field camp during the first part of May at the end of the second semester (SA approved safety boots mandatory). Attendance is compulsory to complete the program. Students are urged to let employers know that they are not available for summer employment until the course is officially completed.

### 4D Learning Opportunities

CANstruction competition – Students compete against other organizations in the community to design and build a 3D structure out of food cans, which are then donated to the Sudbury Food Bank.

### Quick Links

How to Apply (<http://cambriancollege.ca/programs/pages/programsadmissioninformation.aspx>)

Engineering Technology (<http://cambriancollege.ca/field-of-study/engineering-technology>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

- Any grade 12 English (C), (U), or (M)
- Any grade 12 mathematics (C) or (U) (MCT4C is highly recommended)

Recommended:

- Any grade 12 physics (C), (U)
- Computer competency in relevant software

### Additional Information

Students will write a math test at the start of the first semester.

### APPLY NOW! (<http://ontariocolleges.ca/apply>)

#### Fall 2016

#### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018

### Course Descriptions

Semester 1		Credits
CIV 1200	Concrete Asphalt	4
CIV 2331	Construction Technology	4
ENG 1002	College Communication	3
MTH 1050	Algebra I	3
SUR 1116	Surveying I	5
The following General Education course:		3
BUS 1015	Negotiation Labour Relations	3
Term Credits:		22
Semester 2		Credits
CAD 1100	Computer-Aided Drafting I	2
ENG 1754	Technical Communication II	3
MCH 1205	Mechanics	5
MTH 1250	Algebra II	3
SUR 1220	Surveying II	5
SUR 1232	Survey Field Methods	1

One of the following General Education courses:		3
BUS 1008	Personal Finance	3
ENV 2416	Environmental Sustainability	3
SSC 1000	Media and Current Events	3
	Term Credits:	22
<b>Semester 3</b>		
CAD 1200	Computer Aided Drafting II	2
CIV 2300	Soil Mechanics I	4
CIV 2302	Civil Engineering Applications	3
CIV 2421	Basic Hydraulics	3
MCH 2310	Strength Of Materials I	4
MTH 2325	Technical Math III	3
	Term Credits:	19
<b>Semester 4</b>		
CIV 2405	Structural Behaviour Detailing	5
CIV 2408	Computer Aided Structural Detailing	2
CIV 2431	Municipal Planning	4
CIV 3500	Special Projects	4
CIV 3520	Contracts Law Specifications	4
One of the following General Education courses:		3
ECN 1002	Economics	3
FIT 1115	Health Wellness	3
SCI 1000	Issues and Ethics in Science	3
	Term Credits:	22
	Total Credits:	85

3 For more information about Civil Engineering as a career, including employment opportunities, visit Ontario Civil Construction Careers Institute (<http://www.myocca.ca>).

## Furthering Your Studies

Students who successfully complete the Civil Engineering Technician program may enter directly into the Civil Engineering Technology program.

## University Degree Opportunities

Graduates of this program may continue their studies at university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

## Contacts

**Jeff Walker**  
Program Coordinator  
705-566-8101, ext 7430  
[jeff.walker@cambriancollege.ca](mailto:jeff.walker@cambriancollege.ca)

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$1,700 for first year. This is the best information available at the time of publishing to the website and is subject to change.

## Graduate Options

### Employment Opportunities

Civil Engineering Technicians usually work in surveying, material testing, drafting, construction, inspection, or sales and service. Graduates may find employment in:

- Consulting engineering firms
- Government departments
- Municipal engineering departments
- Construction firms

# CIVIL ENGINEERING TECHNOLOGY (CVTY)

## Ontario College Advanced Diploma | 6 semesters | Barrydowne

Our nationally-accredited Civil Engineering Technology program is focused on the design, construction, maintenance, and rehabilitation of infrastructure facilities including: roads, bridges, buildings, dams, storm/sanitary/water systems, pipelines, and deep and shallow foundations.

You will build upon your skills gained in the Civil Engineering Technician program to enhance your abilities in design, drafting, supervision of projects, interpretation of data, cost estimating, scheduling, water resources management, feasibility studies, surveying, and technical report writing.

You will gain practical, hands-on experience in design and drafting in the College's Geographic Information Systems (GIS) and Computer Aided Drafting (CAD) laboratories. In addition, you will receive surveying training with electronic distance and angle measuring equipment that will be interfaced with coordinate geometry and drafting software.

Also continuing from the Technician-level program are opportunities for some students to gain summer work experiences in the construction, consulting, and government sectors through the Infrastructure Opportunities Program (IOP) and the Municipal Engineering Opportunities Program (MEOP).

### Accreditation

This program has been nationally accredited since 2003. This accreditation enables graduates to work as technologists across Canada. An engineering technologist may seek membership with OACETT (Ontario Association of Certified Engineering Technicians and Technologists) to become certified as a C.E.T. (Certified Engineering Technologist). A technologist can also pursue a BAsC in Civil Engineering at Canadian universities.

### Program Highlights

- 3 years – 6 semesters
- The first nationally-accredited technology program by the Canadian Technology Accreditation Board (CTAB) and only accredited program in Ontario
- Two-week surveying course at the end of the second semester
- Industry-experienced faculty
- Opportunity to gain summer employment through the Infrastructure Opportunities Partnership (IOP)
- Field trips to local civil engineering companies and completed project sites
- Courses cover design, project management, technical research and report writing, and more
- Hands-on experience with Geographic Information Systems (GIS) and computer-aided drafting (CAD)
- Grads may be eligible to become members of the Ontario Association of Certified Engineering Technicians and Technologists (OACETT) and the Canadian Technical Employment Network (CTEN)

### 4D Learning Opportunities

CANstruction competition – Students compete against other organizations in the community to design and build a 3D structure out of food cans, which are then donated to the Sudbury Food Bank.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Engineering Technology (<http://cambriancollege.ca/field-of-study/engineering-technology>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

- Any grade 12 English (C), (U), or (M)
- Any grade 12 mathematics (C) or (U) (MCT4C is highly recommended)

Recommended:

- Any grade 12 physics (C) or (U)

**APPLY NOW!** (<http://ontariocolleges.ca/apply>)

### Fall 2016

#### Program Delivery

Semester 1 - Fall 2016  
 Semester 2 - Winter 2017  
 Semester 3 - Fall 2017  
 Semester 4 - Winter 2018  
 Semester 5 - Fall 2018  
 Semester 6 - Winter 2019

### Course Descriptions

Semester 1		Credits
CIV 1200	Concrete Asphalt	4
CIV 2331	Construction Technology	4
ENG 1002	College Communication	3
MTH 1050	Algebra I	3
SUR 1116	Surveying I	5
The following General Education course:		3
BUS 1015	Negotiation Labour Relations	3
Term Credits:		22
Semester 2		Credits
CAD 1100	Computer-Aided Drafting I	2
ENG 1754	Technical Communication II	3
MCH 1205	Mechanics	5
MTH 1250	Algebra II	3
SUR 1220	Surveying II	5
SUR 1232	Survey Field Methods	1
One of the following General Education courses:		3
BUS 1008	Personal Finance	3
ENV 2416	Environmental Sustainability	3

SSC 1000	Media and Current Events	3
Term Credits:		22
<b>Semester 3</b>		
CAD 1200	Computer Aided Drafting II	2
CIV 2300	Soil Mechanics I	4
CIV 2302	Civil Engineering Applications	3
CIV 2421	Basic Hydraulics	3
MCH 2310	Strength Of Materials I	4
MTH 2325	Technical Math III	3
Term Credits:		19
<b>Semester 4</b>		
CIV 2405	Structural Behaviour Detailing	5
CIV 2408	Computer Aided Structural Detailing	2
CIV 2431	Municipal Planning	4
CIV 3500	Special Projects	4
CIV 3520	Contracts Law Specifications	4
One of the following General Education courses:		3
ECN 1002	Economics	3
FIT 1115	Health Wellness	3
SCI 1000	Issues and Ethics in Science	3
Term Credits:		22
<b>Semester 5</b>		
CIV 2410	Soil Mechanics II	4
CIV 2430	Municipal Services	4
CIV 3510	Structural Design	4
CIV 3550	Construction Project Mgt. I	3
MCH 2410	Strength Of Materials II	4
TEC 3501	Technical Report Research	1
WRM 2300	Water Resources Management	2
Term Credits:		22
<b>Semester 6</b>		
CIV 3600	Foundations	5
CIV 3630	Reinforced Concrete	4
CIV 3640	Roads, Traffic Transportation	4
GIS 3600	GIS Applications	3
MTH 2332	Applied Calculus	3
TEC 3601	Technical Report	1
Term Credits:		20
Total Credits:		127

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$700. This is the best information available at the time of publishing to the website and is subject to change.

## Graduate Options

### Employment Opportunities

Graduates may find employment opportunities with:

- Consulting engineering firms
- Municipal engineering offices
- Construction firms
- Manufacturing organizations
- Government agencies
- Inspection and testing companies

For more information about Civil Engineering as a career, including employment opportunities, and more, visit Ontario Civil Construction Careers Institute (<http://www.cambriancollege.ca/Schools/Pages/SchoolHomepage.aspx?strschool=REES>).

## University Degree Opportunities

Graduates from this program may continue their studies at university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

## Contacts

**Jeff Walker**  
 Program Coordinator  
 705-566-8101, ext 7430  
[jeff.walker@cambriancollege.ca](mailto:jeff.walker@cambriancollege.ca)

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

# COMMUNITY AND JUSTICE SERVICES (CJSP)

## Ontario College Diploma | 4 semesters | Barrydowne

Prepare for diverse career options in correctional institutions, open and secure custody facilities, group homes, and private agencies.

From day one, you'll get hands-on experience at the Wendigo Lake Expeditions youth open custody facility, where you'll participate in hands-on activities designed to develop your team-building, facilitation, and leadership skills. This experience will be your first introduction to youth-centered justice services with classes in the remaining semesters effectively comparing and contrasting the unique needs, challenges, and care requirements of at-risk youth, young offenders, and adults.

This will be followed by tours of adult and youth correctional institutions (criminal record check required), scenario training, and a 400-hour placement. You'll also take specialized courses related to corrections and learn from numerous guest speakers currently employed in the field who will share their tips, stories, and an outstanding breadth of knowledge.

You will develop interview, security, safety, case management, communications, facilitation, and therapeutic intervention skills and become prepared to develop constructive working relationships with hard-to-serve populations, persons at risk for being in conflict with the law, offenders in the community, and inmates in our institutions.

The final five weeks of the program will be spent on campus engaging in specialized training related to crisis intervention, self-defense, suicide, and mental health first aid.

### Program Highlights

- 2 years – 4 semesters
- 10-week placement (400 hours)
- Tours of the local jail, a local youth centre, a federal minimum and medium security prison, a super jail, and a mental health centre in semester one
- Hands-on training in safety and security, interviewing, observation, and reporting writing in the College's scenario room that features three cells
- Guest speakers from federal, provincial, and community corrections
- Faculty with over 30 years of field experience in federal and provincial adult corrections and youth justice
- Specialized training in emerging issues and certification for:
  - Self-defense training
  - Non-violent crisis intervention (CPI)
  - Suicide intervention (ASIST)
  - Mental Health First Aid

### Fieldwork/Placement

This program includes a 10-week placement experience in the final semester where students are involved in an unpaid work experience for 350-400 hours. Where possible, the location of placement will correspond to the student's preferred choice of vocation. Field placement

is restricted to students who have successfully completed or are completing all required courses.

### 4D Learning Opportunities

Cambrian College Criminal Justice Association (CCCJA) – Students who are members of this association are involved in school and community events that help develop their résumé, gain leadership skills, and add develop community contacts.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Law and Justice (<http://cambriancollege.ca/field-of-study/law-and-justice>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

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

Recommended:

- Any grade 11 physical education (O)
- Computer competency in relevant software

### Additional Requirements

Graduates of Police Foundations Programs are eligible to complete the program in a compressed schedule using transferable credits. Students can successfully meet the requirements within one year while still gaining a placement experience of 350 hours. Please consult The Enrollment Centre for the exact tuition fees for this option as it can result in additional fees.

All students are required to produce a criminal records check for vulnerable sectors to attend institutional tours and participate in select volunteer experiences. It is strongly recommended that students obtain this prior to registration. An additional criminal reference check is required for fourth semester placement where some placements will require an enhanced criminal records check that may take between six to eight weeks. Placements may also require Standard First Aid, CPR Level C and/or proof of immunization.

### APPLY NOW! (<http://ontariocolleges.ca/apply>)

#### Fall 2016

#### Program Delivery

Semester 1 - Fall 2016  
 Semester 2 - Winter 2017  
 Semester 3 - Fall 2017  
 Semester 4 - Winter 2018

### Program of Study

Semester 1		Credits
CWP 1210	Corrections In Canada	3
CWP 2310	Community Corrections	3
LAW 1010	Canadian Criminal Justice	3
ENG 1002	College Communication	3



PSY 1050	Introduction To Psychology I	3
The following General Education course:		
FIT 1500	Physical Fitness And Wellness I	3
<b>Semester 2</b>		
CWP 1211	Law For Correctional Workers	3
CWP 1002	Youth Justice	3
CWP 2311	Administration Program Plan.	3
ENG 1126	Commun. Skills/Justice Students I	3
PSY 1106	Interpersonal Tactical Response	3
SOC 1205	Social Issues/Social Welfare in CA	3
One of the following General Education courses:		
BUS 1008	Personal Finance	3
GER 2310	Dementia	3
PSY 1125	Positive Psychology	3
SSC 1000	Media and Current Events	3
BUS 1015	Negotiation Labour Relations	3
SCI 1001	Human Sexuality	3
SOC 1007	Intro to Indigenous Studies	3
Term Credits:		18
<b>Semester 3</b>		
CWP 2340	Int., Counsel., Case Mgt.	3
CWP 2350	Safety Security	3
CWP 2365	Field Placement Seminar I	1
CWP 2450	Observation and Report Writing	3
LAW 1200	Special Populations in Corrections	3
PSY 1003	Concurrent Disorders, Mental Health Addictions	3
SOC 1210	Introduction To Criminology	3
One of the following General Education courses:		
BUS 1015	Negotiation Labour Relations	3
BUS 1008	Personal Finance	3
GER 2310	Dementia	3
PSY 1125	Positive Psychology	3
SCI 1001	Human Sexuality	3
SSC 1000	Media and Current Events	3
SOC 1007	Intro to Indigenous Studies	3
Term Credits:		21
<b>Semester 4</b>		
CWP 1000	Field Placement Seminar II	9
CWP 2471	Field Placement	10
Term Credits:		19
Total Credits:		80

## Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,964.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$1,100 for first year. This is the best information available at the time of publishing to the website and is subject to change.

## Graduate Options

### Employment Opportunities

Graduates may find employment in:

- Federal and provincial correctional institutions
- Open and secure custody settings for youth
- Residences for adult offenders (halfway houses, treatment centres)
- Residences for youth who are in conflict with the law (group homes)
- Federal and provincial government ministries – Ministry of Community Safety and Correctional Services, Corrections Services Canada, the Ministry of Children and Youth Services
- Private and non-profit community organizations

Graduates may also work with people who are at risk of being in conflict with the law and in community-based justice services and/or victim-oriented programs.

## University Degree Opportunities

Graduates from this program may continue their studies at university and may receive credit for their College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

## Contacts

**Cynthia Booth**  
Program Coordinator  
705-566-8101, ext 7846  
[cynthia.booth@cambriancollege.ca](mailto:cynthia.booth@cambriancollege.ca)

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$4,005.48. Next year's tuition fees will be available by May 1, 2016.



# COMMUNITY AND JUSTICE SERVICES - ALTERNATE DELIVERY (CJAD)

## Ontario College Diploma | 4 semesters | Barrydowne

This program is delivered as a combination of online courses, classroom experiences, and field placement designed to prepare you for a rewarding and successful career in correctional institutions, open and secure custody facilities, group homes, and/or private agencies.

From day one, you'll get hands-on experience at the Wendigo Lake Expeditions youth open custody facility where you'll participate in hands-on activities designed to develop your team-building, facilitation, and leadership skills. This experience is your first introduction to youth-centered justice services with classes in the remaining semesters effectively comparing and contrasting the unique needs, challenges, and care requirements of at-risk youth, young offenders, and adults. It is also a chance for you to meet your fellow online and classroom learners.

During the first semester, you will experience all classes online and interact with other students through web-based seminar-style classes, online forum discussions, and independent assignments. To effectively meet all the requirements of the first semester, you can join the class when they are involved in touring correctional institutions (criminal record check required).

For semesters two and three, you will take classes at the Barrydowne campus. These semesters provide a complement of theory and practical experiences, laying the foundation for the final semester where you are required to complete a 10-week placement. The final five weeks of the program are spent on campus engaging in specialized training related to crisis intervention, self-defence, suicide, and mental health first aid.

Throughout the program, you will develop interview, security, safety, case management, communications, facilitation, and therapeutic intervention skills and become prepared to develop constructive working relationships with hard-to-serve populations, persons at risk for being in conflict with the law, offenders in the community, and inmates in our institutions.

## Program Highlights

- 2 years – 4 semesters
- Combination of in-class and online courses
- 10-week placement (400 hours)
- Opportunities to participate in tours of the Sudbury jail, a local youth centre, a federal minimum and medium security prison, a super jail, and a mental health centre in semester one
- Faculty with over 30 years of field experience in federal and provincial adult corrections and youth justice
- Specialized training in emerging issues and certification for:
  - Self-defense training
  - Non-violent crisis intervention (CPI)
  - Suicide intervention (ASIST)

## Fieldwork/Placement

This program includes a 10-week placement experience in their final semester where students are involved in an unpaid work experience for 350-400 hours. Where possible, the location of placement will correspond to the student's preferred choice of vocation. Field Placement is restricted to students who have successfully completed or are completing all required courses.

## 4D Learning Opportunities

Cambrian College Criminal Justice Association (CCCJA) – Students who are members of this association are involved in school and community events that help develop their résumé, gain leadership skills, and add develop community contacts.

## Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Law (<http://cambriancollege.ca/field-of-study/law-and-justice>) and Justice (<http://cambriancollege.ca/field-of-study/law-and-justice>)

## Admissions

### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

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

Recommended:

- Grade 11 physical education (O)
- Computer competency in relevant software

## Additional Requirements

All students are required to produce a criminal records check for vulnerable sectors to attend institutional tours and participate in select volunteer experiences. It is strongly recommended that students obtain this prior to registration. An additional criminal reference check is required for fourth semester placement where some placements will require an enhanced criminal records check that may take between six to eight weeks. Placements may also require Standard First Aid, CPR level C and/or proof of immunization.

## APPLY NOW! (<http://ontariocolleges.ca/apply>)

### Fall 2016

### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018

## Program of Study

Semester 1		Credits
CWP 1210	Corrections In Canada	3
CWP 2310	Community Corrections	3
ENG 1003	College Communication	2
LAW 1010	Canadian Criminal Justice	3
PSY 1050	Introduction To Psychology I	3

The following General Education course:		3
FIT 1500	Physical Fitness And Wellness I	3
Term Credits:		17

**Semester 2**

CWP 1211	Law For Correctional Workers	3
CWP 1002	Youth Justice	3
CWP 2311	Administration Program Plan.	3
ENG 1126	Commun. Skills/Justice Students I	3
PSY 1106	Interpersonal Tactical Response	3
SOC 1205	Social Issues/Social Welfare in CA	3

One of the following General Education courses:

BUS 1008	Personal Finance	3
GER 2310	Dementia	3
PSY 1125	Positive Psychology	3
SSC 1000	Media and Current Events	3

Term Credits: 21

**Semester 3**

CWP 2340	Int., Counsel., Case Mgt.	3
CWP 2350	Safety Security	3
CWP 2365	Field Placement Seminar I	1
CWP 2450	Observation and Report Writing	3
LAW 1200	Special Populations in Corrections	3
PSY 1003	Concurrent Disorders, Mental Health Addictions	3

SOC 1210 Introduction To Criminology 3

One of the following General Education courses: 3

ANI 1049	Film Studies	3
BUS 1015	Negotiation Labour Relations	3
CET 1003	Cybernation	3

Term Credits: 22

**Semester 4**

CWP 1000	Field Placement Seminar II	9
CWP 2471	Field Placement	10
Term Credits:		19

Total Credits: 79

**Graduate Options****Employment Opportunities**

Graduates may find employment in:

- Federal and provincial correctional institutions
- Open and secure custody settings for youth
- Residences for adult offenders (halfway houses, treatment centres)
- Residences for youth who are in conflict with the law (group homes)
- Federal and provincial government ministries – Ministry of Community Safety and Correctional Services, Corrections Services Canada, the Ministry of Children and Youth Services
- Private and non-profit community organizations

Graduates may also work with people who are at risk of being in conflict with the law and in community-based justice services and/or victim-oriented programs.

**University Degree Opportunities**

Graduates from this program may continue their studies at university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

**Contacts****Cynthia Booth**

Program Coordinator  
705-566-8101, ext 7846  
[cynthia.booth@cambriancollege.ca](mailto:cynthia.booth@cambriancollege.ca)

**Fees****Tuition Fee (Canadian Students)**

The tuition fee for the 2014-2015 academic year is \$3,944.96. Next year's tuition fees will be available by May 1, 2016.

**Tuition Fee (International Students)**

The tuition fee for the 2014-2015 academic year is \$13,627.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

**Books & Supplies**

The estimated cost of books and supplies for 2015-2016 is approximately \$1,100 for the first year. This is the best information available at the time of publishing to the website and is subject to change.

# COMPUTER SYSTEMS TECHNOLOGY (CETY)

## Ontario College Advanced Diploma | 6 semesters | Barrydowne

As an authorized Cisco Systems Networking Academy and Microsoft IT Academy, Cambrian equips you all the in-depth technical and customer service skills needed to manage and solve the networking, security, wireless access, and VoIP needs of support teams within organizations of all sizes.

Plus, you'll study desktop multi-user operating systems, local and wide area networks, network security and management, and programming languages from faculty like Bob Vachon – one of our profs who literally helped write the Cisco Systems book on networking.

### Program Highlights

- 3 years – 6 semesters
- 1 placement
- Cambrian is an authorized Cisco Systems Networking Academy and Microsoft IT Academy
- Gain technical skills as well as the communication, customer service, entrepreneurship, and project management skills desired by employers
- Our students consistently medal at the annual Ontario Technological Skills Competition
- As a graduate, you can challenge industry certifications that will save you thousands of dollars and hundreds of hours

### Partnerships – Cisco and Microsoft

Through its partnerships with Cisco Systems and the Microsoft Corporation, Cambrian College is a recognized Cisco Networking Academy as well as a Microsoft Networking Academy. These relationships provide students with the opportunity to gain up-to-date industry-recognized skills.

### Certification Opportunities

Graduates may challenge the following industry certifications:

- Cisco Certified Network Associate (CCNA)
- Cisco Certified Associate Security Specialist (CCNAS)
- Cisco Certified Network Professional (CCNP)
- Microsoft Certified System Administrator (MCSA)

It is the responsibility of the graduate to pursue certification.

### Fieldwork/Placement

An on-site placement in the sixth semester is part of the program of study.

### 4D Learning Opportunities

Skills competitions - Each year, select students compete in the Ontario Technological Skills Competition. Since 2006, our students have earned 15 provincial medals and 6 national medals.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Business and Information Technology (<http://cambriancollege.ca/field-of-study/business-and-information-technology>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

- Any grade 12 English (C), (U), or (M)
- Any grade 12 mathematics (C), (U) or (M) (MCT4C is highly recommended)

Recommended: computer competency in relevant software

## APPLY NOW! (<http://ontariocolleges.ca/apply>) Fall 2016

### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018  
Semester 5 - Fall 2018  
Semester 6 - Winter 2019

### Program of Study

Semester 1		Credits
CET 2306	Local Area Networks	5
CET 2321	Windows for IT Professionals	4
CMP 1117	Introduction to Programming	4
CMP 1119	IT Essentials	4
ENG 1002	College Communication	3
The following General Education course:		3
BUS 3585	Entrepreneurship	3
Term Credits:		23
Semester 2		Credits
CET 1210	Deploying Windows Server	4
CET 1007	Routing Switching Essentials	5
ENG 1754	Technical Communication II	3
STY 1211	Database Design	4
One of the following General Education courses:		3
FIT 1115	Health Wellness	3
PSY 2700	Client Comm. Leadership Develop	3
Term Credits:		19
Semester 3		Credits
CET 2310	Managing Windows Servers	4
CET 1008	Scaling Networks	4
CET 2345	Accessing the WAN	4
CMP 1102	SQL Server	4

One of the following General Education courses:		3
BUS 1008	Personal Finance	3
SOC 1010	Cross-Cultural Understanding	3
Term Credits:		19
<b>Semester 4</b>		
CET 2331	UNIX System Administration	4
CET 2425	Network Infrastructure	4
CET 3511	Active Directory	4
CET 3520	Building Scalable Networks	4
CET 3621	Multi-Layer Switching	4
Term Credits:		20
<b>Semester 5</b>		
CET 1000	Enterprise Security	4
CET 1001	Sharepoint	3
CET 1006	MS Exchange Server	4
CET 2415	Applied Project Management	3
CET 2420	Multi-Platform Environments	4
Term Credits:		18
<b>Semester 6</b>		
CET 1004	Infrastructure Troubleshooting	4
CET 1005	Implementing Enterprise Solutions	3
CET 3601	Field Placement	6
CET 3615	Network Security	3
CET 1002	Secure Firewall Design	4
Term Credits:		20
Total Credits:		119

- Information systems product support technician
- Network security specialist

## University Degree Opportunities

Graduates from this program may continue their studies at university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

## Contacts

### Brian Lobban

Program Coordinator  
705-566-8101, ext 7863  
[brian.lobban@cambriancollege.ca](mailto:brian.lobban@cambriancollege.ca)

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$1100 for first year. This is the best information available at the time of publishing to the website and is subject to change.

## Graduate Options

### Employment Opportunities

Graduates are prepared for employment opportunities in educational, governmental, medical, retail, industrial, or other work environments and may obtain positions as a(n):

- Network administrator
- Network designer
- Network installer
- System administrator

# CORPORATE SAFETY AND SECURITY (CSSP)

## Ontario College Certificate | 2 semesters | Barrydowne

Prepare for safety and security roles in a variety of industries such as mining, education, casino, energy, retail, medical, residential, and entertainment. As a graduate, you'll have the ability to immediately begin working in the field.

You will learn to communicate effectively with all types of people in both peaceful and conflict situations, as well as how to conduct effective patrols, manage movement of people and vehicles, utilize electronic security equipment, and manage access control. You will also learn to become an experienced note taker and to conduct investigations, collect evidence when appropriate, make arrests when necessary, write informative reports regarding your actions, and provide evidence as expected.

You will be exposed to supervisory expectations, budgeting, health and safety, unions, and media interaction. Managing risk and responding in emergencies will round out your educational experience.

### Additional Information

During your studies, you may obtain the following additional certifications:

- Emergency First Aid and CPR level A certificates
- Non-violent Crisis Intervention Certificate
- Suicide Intervention Certificate
- Mental Health First Aid

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Law and Justice (<http://cambriancollege.ca/field-of-study/law-and-justice>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

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

Recommended:

- Computer competency in relevant software

#### Additional Requirements

A criminal record check may be required for field trips and placement opportunities. A criminal record can be a serious impediment to employment in this field.

## APPLY NOW! (<http://ontariocolleges.ca/apply>) Fall 2016

### Program Delivery

Semester 1 - Fall 2016

Semester 2 - Winter 2017

### Program of Study

Semester 1		Credits
ENG 1002	College Communication	3
SEC 1001	Note Taking and Report Writing	3
SEC 1004	Private Investigating and Specialized Services	3
SEC 1200	Security Communities	3
SEC 2322	Security Guard Private Inv. Duties	3
SEC 2410	Security Guard: Powers of Arrest	3
The following General Education course:		3
SSC 1000	Media and Current Events	3
Term Credits:		21
Semester 2		
LAW 1105	Ethics Diversity Issues	3
PSY 1106	Interpersonal Tactical Response	3
SEC 1205	Investigations and Evidence	3
SEC 1215	Personal Safety Techniques	3
SEC 2400	Conflict Management	3
SEC 2421	Security Management	3
Select one of the following General Education courses:		3
BUS 1008	Personal Finance	3
GER 2310	Dementia	3
PSY 1125	Positive Psychology	3
SCI 1001	Human Sexuality	3
SOC 1007	Intro to Indigenous Studies	3
BUS 1015	Negotiation Labour Relations	3
Term Credits:		21
Total Credits:		42

### Fees

#### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

#### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

### Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$1,000. This is the best information available at the time of publishing to the website and is subject to change.

### Graduate Options

#### Employment Opportunities

Graduates may find employment with:

- Security guard and private investigation firms

- Casinos
- Various provincial ministries

## Furthering Your Studies

Students successfully completing the Corporate Safety and Security program may enter directly into the second year of the Protection, Security, and Investigation program.

## Contacts

**Paul Denniston**

Program Coordinator

705-566-8101, ext 7449

[paul.denniston@cambriancollege.ca](mailto:paul.denniston@cambriancollege.ca)

# DENTAL ASSISTING (LEVELS I & II) (DENA)

## Ontario College Certificate | 3 semesters | Barrydowne | Capped Enrolment

Get the skills to launch a career as a Dental Assistant in just one year. In Cambrian's program, you won't just be learning, you'll be doing – and lots of it! You'll start by practicing your skills on mannequins and your classmates in the College's dental clinic. Once you've gained some practical experience, you'll treat real patients in the clinic before completing a placement in a dental office.

This combination of theory and practice will give you the required knowledge and practical experience through a multi-disciplinary approach working with dental hygienists, dentists, and other health care professionals in the clinical environment and in community placements. Clinics and some classroom experiences may include evening scheduling.

### Program Highlights

- 1 year – 3 semesters
- 4-week placement
- Graduates are eligible to write the National Dental Assisting Examining Board (NDAEB) examination to become certified as an Intra-oral Dental Assistant with the Ontario Dental Assistants Association (ODAA)
- Continuous hands-on experience through work in the College's dental clinic where you'll provide services to clients such as:
  - Dental examinations
  - Whitening
  - Oral hygiene instruction
  - X-rays
  - Fluoride treatments
  - Pit and fissure sealants
  - Athletic mouth guards

### Fieldwork/Placement

Students must complete the in-office practicum as outlined in the program's third semester. Students must be prepared to cover the costs incurred in their 4 week clinical placement whether in town or out of town.

### 4D Learning Opportunities

Walk for a Smile – Each year, Dental Assisting and Dental Hygiene students raise money and collect dental health products to help support free access to oral health services.

Vietnam adventure – In March 2012, students and professors from the Dental Assisting and Dental Hygiene programs trekked through remote mountain villages in Sapa, Vietnam, to bring oral health education and supplies to children and families. The group visited homes, schools, and an orphanage, handing out thousands of toothbrushes, teaching children how to use them through hands-on demonstrations and songs. The group was recognized by the Canadian Dental Hygienists Association (<http://www.cdha.ca/AM/Template.cfm?Section=Home>) (CDHA) for their outstanding efforts in oral health promotion.

### Certification

For initial licensure/certification, graduates of Cambrian College's Dental Assisting program are eligible to become a candidate for the National Dental Assisting Examining Board (NDAEB) examination. Successful completion of the examination is necessary to be certified as an Intra-oral Dental Assistant with the Ontario Dental Assistants Association (ODAA). It is the responsibility of the graduate to pursue candidacy and certification as well as to cover any associated costs.

### Capped Enrolment – 48 seats available Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Health Sciences, Nursing, and Emergency Services (<http://cambriancollege.ca/field-of-study/health-sciences-nursing-emergency-services>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

- Any grade 12 English (C), (U), or (M)
- Any grade 11 or 12 biology (C) or (U)
- Any grade 11 or 12 chemistry (C) or (U)
- Please note: A minimum of 60% is required in each prerequisite course.

Recommended:

- computer competency in relevant software

Note: The Pre-Health Sciences (HLPG) program is the designated preferred preparatory program for admission to Cambrian College's limited enrolment Health Sciences programs. Limited enrolment programs are identified with the detailed program descriptions.

### Additional Requirements

The following are required prior to the start of classes:

- Current Basic Cardiac Life Support (Level C/Basic Rescuer)
- Immunizations: Hepatitis B, Polio, Tetanus, Diphtheria, Measles, Mumps, Rubella, Flu vaccination (when distributed mid- to late fall)
- Appropriate TB test
- Proof of WHMIS training

### Other Requirements

- Criminal record check as required for placements

Please note: A criminal record is a serious impediment for the completion of program requirements. Many employers and placement agencies insist on a clear record.

- Eye examination is strongly recommended



**Apply Now!** (<http://www.ontariocolleges.ca/apply>)

## Fall 2016

### Program Delivery

Semester 1 - Fall 2016

Semester 2 - Winter 2017

Semester 3 - Spring 2017

### Program of Study

Semester 1		Credits
BIO 1170	Anatomy Physiology	2
DEN 1105	Intro to the Dental Assisting Prof.	3
DEN 1120	Microbiology/Embryology	2
DEN 1155	Dental Radiography I	2
DEN 1165	Oral Facial Anatomy	3
DEN 1217	Clinical Practice I	5
DEN 1260	Health Promotion	3
DEN 2235	Radiography II	3
ENG 1215	College Writing II	3
Term Credits:		26
Semester 2		
DEN 1001	Level 1 Theory and Practice	5
DEN 1002	Clinical Practice II	2
DEN 1045	Orientation to Dental Assisting Profession	3
DEN 1219	Clinical Experience I	3
DEN 1222	Pharmacology	1
DEN 1223	Dental Office Management	2
DEN 1266	Lab Practice and Dental Materials	3
DEN 1290	Technology in Dental Office Mgmt.	1
Term Credits:		20
Semester 3		
DEN 1419	Clinical Experience II	6
Term Credits:		6
Total Credits:		52

## Graduate Options

### Employment Opportunities

Graduates may find employment with:

- Private dental offices
- Clinics
- Hospitals
- Educational institutions
- Public health units
- Dental products manufacturers
- Canadian Forces

## Contacts

### Mary Yeomans

Program Coordinator

705-566-8101, ext 6222

[mary.yeomans@cambriancollege.ca](mailto:mary.yeomans@cambriancollege.ca)

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$4,559.10 for three semesters of study. Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$16,890.75 for three semesters of study. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$2500.00. This is the best information available at the time of publishing to the website and is subject to change.

# DENTAL HYGIENE (DHYG)

## Ontario College Advanced Diploma | 6 semesters | Capped Enrolment

Train to be an integral member of oral health care teams in private practices, public health units, long-term care homes, mobile dental practices, and industry. You'll have tons of opportunities for hands-on practical learning on mannequins, your classmates, and patients from Sudbury in the College's on-campus Dental Clinic. You'll also be involved in health promotion initiatives that will look impressive on your résumé.

### Program Highlights

- 3 years – 6 semesters
- Community placements
- Grads are eligible to apply to write the National Dental Hygiene certification Examination (NDHCE) conducted by the National Dental Hygiene Certification Board (NDHCB) to gain registration with the College of Dental Hygienists of Ontario (CDHO)
- Continuous hands-on experience through work in the College's dental clinic where you'll provide dental hygiene services to paying clients such as:
  - Oral health assessments
  - Scaling
  - Stain removal
  - Whitening
  - Oral health education
  - Dental X-rays
  - Fluoride treatments
  - Pit and fissure sealants
  - Athletic mouth guards
  - Referrals

### Fieldwork/Placement

Initially, you will learn clinical/laboratory skills on mannequins and will then be assigned practice sessions where you can perform these learned skills on each other. You must be prepared to be a client in these practice sessions. You will then proceed to treatment of clients from the public at the College's on-site Dental Clinic as well as rotation experiences in community health settings. You must be prepared to cover the costs incurred as part of your placement experiences. Clinics and some classroom experiences may also include evening scheduling.

### 4D Learning Opportunities

Costa Rica health care mission – In 2015, a group of Dental Hygiene and nursing students provided health care services in two communities in Costa Rica.

Walk for a Smile – Each year, Dental Assisting and Dental Hygiene students raise money and collect dental health products to help support free access to oral health services.

### Accreditation

Cambrian's Dental Hygiene program is accredited by the Commission on Dental Accreditation of Canada (CDAC).

### Registration to Practice

To practice as a Dental Hygienist, you must pass the National Dental Hygiene Certification Examination (NDHCE) conducted by the National Dental Hygiene Certification Board (NDHCB). Successful completion of the NDHCE qualifies graduates for registration with the College of Dental Hygienists of Ontario (CDHO), which is a requirement to practice in Ontario. Graduates who pass the NDHCE are also eligible to register to practice dental hygiene in other provinces (please note that each province holds separate licensing exams and requirements to practice). It is the responsibility of the graduate to pursue certification and registration and to cover any associated costs.

### Capacity - 48 seats available

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Health Sciences, Nursing, and Emergency Services (<http://cambriancollege.ca/field-of-study/health-sciences-nursing-emergency-services>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS):

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

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

Please note: A minimum of 60% is required in each prerequisite courses

Recommended:

- computer competency in relevant software

Note: Cambrian's Pre-Health Sciences (HLPG) program is the designated preferred preparatory program for admission to Cambrian College's limited enrolment Health Sciences programs. Limited enrolment programs are identified within the detailed program descriptions. The minimum GPA and grades required for successful admission will be determined by the quality and quantity of the applicant pool.

### Additional Requirements

Criminal Record check (Vulnerable Sector Screening) as required for placements. (Please note: a criminal record is a serious impediment for the completion of program requirements. Many employer and placement agencies insist on a clear record.)

The following are required prior to the start of classes:

- Current Basic Cardiac Life Support Certificate (Health Care Provider level or level C with AED)
- Immunizations: Tetanus, Diphtheria, Measles, Mumps, Rubella, Hepatitis B, Poliomyelitis, Varicella (immunization or history of infection confirmed by MD)
- Appropriate TB test
- Flu vaccination (when distributed mid- to late fall)
- Proof of WHMIS training

## Additional Information

Students must be prepared to cover the costs incurred in the clinical experience.

The Dental Hygiene program is accredited by the Commission on Dental Accreditation of Canada. The curriculum is enhanced on an ongoing basis in order to ensure that the course content continues to meet the national accreditations standards. The Cambrian College Dental Health Program takes primary responsibility for the client pool within the Cambrian College Dental Clinic to provide sufficient varied experiences that allow students to develop competency. Students will have access to the client pool.

Due to the nature of this program, it is highly recommended that the learner have good manual dexterity and good oral and written communication skills.

**APPLY NOW!** (<http://www.ontariocolleges.ca/apply>)

**Fall 2016**

## Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018  
Semester 5 - Fall 2018  
Semester 6 - Winter 2019

## Program of Study

### Semester 1

		Credits
BIO 1107	Anatomy Physiology I	3
DEN 1003	Orofacial Anatomy	3
DEN 1004	Oral Histology	2
DEN 1005	Microbiology/Immunology	3
DEN 1006	Dental Hygiene Practice I	6
DEN 1007	Dental Hygiene Theory I	3
DEN 1008	Professional Practice	1
ENG 1121	Research Writing/Health Sciences	3
The following General Education course:		3
SSC 1002	Thinking, Reasoning, Relating	3
Term Credits:		27

### Semester 2

BIO 1207	Anatomy Physiology II	3
DEN 1009	Dental Hygiene Theory II	3
DEN 1010	Pre-Clinical Dental Hygiene	7
DEN 1011	Oral Health Promotion	3
DEN 1012	Dental Radiography	4
DEN 1013	Professional Communication and Computer Software	1
Term Credits:		21

### Semester 3

DEN 1014	Dental Hygiene Theory III	3
DEN 1015	Clinical Dental Hygiene - Introduction	6

DEN 1016	Diverse Populations - Pediatrics	2
DEN 1017	Human Pathophysiology	3
DEN 1018	Periodontics	3
DEN 1019	Intro. to Statistics and Research Methods	2
DEN 1020	Health Care in Canada	1
DEN 1021	Nutrition in Health Promotion	3
Term Credits:		23

### Semester 4

DEN 1022	Dental Hygiene Theory IV	3
DEN 1023	Clinical Dental Hygiene - Intermediate	6
DEN 1024	Diverse Populations - Geriatrics	2
DEN 1025	Community Health	3
DEN 1026	Promoting Health In Multicultural Populations	1
DEN 1027	Individuals with Special Needs	3
DEN 1029	Oral Pathology	3
DEN 1040	Pharmacology in Dental Hygiene	3
One of the following General Education courses:		3
PSY 1003	Concurrent Disorders, Mental Health Addictions	3
SOC 1205	Social Issues/Social Welfare in CA	3
Term Credits:		27

### Semester 5

DEN 1030	Dental Hygiene Theory V	3
DEN 1031	Clinical Dental Hygiene Advanced	9
DEN 1032	Health Promotion and Community	3
DEN 1033	Evidence-based Practice	2
DEN 1034	Health Policy and Advocacy	2
DEN 2435	Orthodontics Theory Practice	3
Term Credits:		22

### Semester 6

BUS 3585	Entrepreneurship	3
DEN 1035	Dental Hygiene Theory VI	3
DEN 1036	Clinical Consolidation	6
DEN 1037	Practice Management for Regulated Health Profess.	2
DEN 1038	Community and Interprofessional Care	3
DEN 1039	Professional Practice Jurisprudence	3
One of the following General Education courses:		3
SCI 1000	Issues and Ethics in Science	3
SSC 1000	Media and Current Events	3
Term Credits:		23
Total Credits:		143

## **Fees**

### **Tuition Fee (Canadian Students)**

The tuition fee for the 2015-2016 academic year is \$6,694.70. Next year's tuition fees will be available by May 1, 2016.

### **Tuition Fee (International Students)**

The tuition fee for the 2015-2016 academic year is \$17,889.24. Next year's tuition fees will be available by May 1, 2016.

## **Books & Supplies**

The estimated cost of books for the first year of the program is approximately \$1,500. The estimated cost of instruments and supplies for the first year of the program is \$2,000. The estimated cost for books, instruments and supplies for the second year of the program is \$2,500. The estimated cost for books, instruments, supplies for the third year of the program is \$1,500. This is the best information available at the time of publishing to the website and is subject to change.

Please note: Since some of the supplies required are not available in Canada, the exchange rate may have an impact on the estimated cost for supplies.

## **Graduate Options**

### **Employment Opportunities**

Graduates may find employment in:

- General and specialized dental practices
- Public health dental hygiene practices (including home care, long-term care, or community clinics)
- Education
- Industry (sales/marketing of dental products/equipment)
- Research

## **Contacts**

**Mary Yeomans**

Program Coordinator

705-566-8101, ext 6222

mary.yeomans@CambrianCollege.ca

# DESIGN AND VISUAL ARTS (ADSP)

## Ontario College Diploma | 4 semesters | Barrydowne

Whether you are a beginner or practicing artist, this program will help you prepare a varied portfolio of work to be used for entry into the art/design industry or for entry into advanced design or fine art diploma/degree programs.

In the first year of the program, you will experiment with a diverse cross-section of style and media, including drawing, two- and three-dimensional design, illustration, graphic design, web design, digital photography, and multimedia. This hands-on intensive year allows you to explore a wide range of media, subject, and style to strengthen your creative and artistic talents.

In the second year, you will select a specialization in drawing/illustration/painting, painting/mixed (2D and/or 3D), printmaking/mixed media, or digital photography/multimedia. You will be guided and mentored throughout these studio courses by practicing artists, gearing your personal project-based work towards an end-of-year exhibition.

### Program Highlights

- 2 years - 4 semesters
- Learn from working artists
- Take a variety of courses to get broad experience and determine your specialization
- Create a portfolio to enter into the art/design industry or fine art diploma/degree programs

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Creative Arts, Music and Design (<http://cambriancollege.ca/field-of-study/creative-arts-music-design>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

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

**APPLY NOW!** (<http://ontariocolleges.ca/apply>)

### Fall 2016

#### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018

#### Program of Study

##### Semester 1

AFP 1100

Ideas Imagery

##### Credits

3

AFP 1105	Design Fundamentals	3
AFP 1110	Colour and Design	2
AFP 1115	Presentation Skills	2
AFP 1120	Fundamentals of Drawing	3
AFP 1125	Fine Art Studio 2D	3
AFP 1130	Introduction to Art History	2
AFP 1135	Introduction to Digital Photography	3
The following General Education course:		3
SOC 1000	Introduction To Sociology	3
Term Credits:		24

##### Semester 2

AFP 1000	Art Technology	2
AFP 1200	Life Drawing	3
AFP 1205	Drawing from your Imagination	3
AFP 1210	Applied Colour	3
AFP 1220	Intro to Digital Multimedia	2
AFP 1225	Analytical Drawing	3
AFP 1230	Fine Art Studio: 3-D	2
AFP 1235	Graphic Design Studio	3
Term Credits:		21

##### Semester 3

ART 1014	Business of the Arts	4
ART 1016	Art and Design Project I	5
ART 1017	Portfolio Development I	4
ART 1018	Materials and Processes I	3
One of the following General Education courses:		3
PSY 1001	Psychology of Evil	3
PSY 1125	Positive Psychology	3
Term Credits:		19

##### Semester 4

ART 1019	Art and Design Project II	8
ART 1021	Materials and Processes II	3
ART 1023	Portfolio Development II	5
BUS 1023	Business Application	2
One of the following General Education courses:		3
ANI 1049	Film Studies	3
MUS 1009	Rock Music, Culture Technology	3
Term Credits:		21
Total Credits:		85

### Fees

#### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

#### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## **Books & Supplies**

The estimated cost of books and supplies for both years of the program is approximately \$1,500. Up to \$900 of this amount can be expected to be incurred in the first year. Second year expenses are variable depending on the student's chosen area of study, but costs are tied to a student's own decisions regarding choice of materials and processes they wish to explore, and so, may be managed in relation to their personal financial.

## **Graduate Options**

### **Employment Opportunities**

Graduates of this program will be prepared for various career pathways, including employment as exhibiting artist.

Graduates may also choose to continue their postsecondary studies to further opportunities in the graphic design, animation, visual art, and fine art industries.

## **Contacts**

### **Richard Neufeld**

Program Coordinator

705-566-8101, ext 7614

[richard.neufeld@cambriancollege.ca](mailto:richard.neufeld@cambriancollege.ca)

# DEVELOPMENTAL SERVICES WORKER (DSWP)

## Ontario College Diploma | 4 semesters | Barrydowne

Take on a rewarding career where you can make a difference in the lives of individuals who have special needs by learning how to effectively support their emotional, mental, physical, and social needs.

You'll first learn about the stages of human development, the types of developmental disabilities, and the range of community supports. In the following semesters, you will learn intervention techniques, person-centered planning, abnormal psychology/dual diagnosis, basic pharmacology, how to support people with autism, augmentative forms of communication, and prevention of and effective responses to people who have been abused. You will also develop the relationship building and critical thinking skills required to assist people with intellectual disabilities in identifying problems and solutions.

In-class learning will be complemented by extensive hands-on experience gained through five block placements, beginning with a placement one day a week for nine weeks in semester and continuing with placements in semesters three and four.

You will come away from this program with many practical skills, including how to:

- Communicate with clients in sign language and picture symbols
- Safely administer medications
- Create effective plans to teach new skills and behaviours and how to reinforce and maintain effective skills and positive behaviours over time
- Assist individuals with physical disabilities
- Help those with special needs to integrate into the community
- Work with families

## Program Highlights

- 2 years – 4 semesters
- Placement in semester one plus five additional block placements – the largest number of block placements of any Ontario college
- Small classes taught by industry experts who are active in the field
- Get hands-on experience in counselling, report writing, developing programs for individuals with disabilities, crisis management, and more
- Opportunities for summer and/or part-time employment with local organizations
- Earn certifications in First Aid and CPR and Non-violent Crisis Intervention during the program
- Fast-track option may be available through the Prior Learning Assessment and Recognition (PLAR) process and/or Advanced Standing if you have related work experience or a related diploma/degree
- Alternate delivery option available

## Fieldwork/Placement

There will be a field placement in the first and third semesters concurrent with classes. The fourth semester is a full-time placement. First Aid

and CPR certification is required prior to the first semester placement. An up-to-date medical is required in addition to hepatitis "A" and "B" immunization, TB test, and tetanus shot prior to placement in first semester. Note: Some placement sites may require an influenza shot. All of the above requirements must be maintained and current for the purpose of attending placements. Students with a positive criminal record check may be refused placement by agencies and school boards.

## Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Community Services (<http://cambriancollege.ca/field-of-study/community-services>)

## Admissions

### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

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

Recommended:

- Computer competency in relevant software
- Any grade 11 mathematics (C), (U), or (M)
- Any biology (C), (U), or (M)
- A valid driver's license
- Volunteer work/co-op placement in a related area

## Additional Requirements

- First Aid and CPR certification prior to the first semester placement
- Non-violent Crisis Intervention prior to the end of second semester
- An up-to-date criminal record check is required prior to all field placements. Agencies may not accept students with a positive criminal record check
- Ability to participate in non-violent Crisis Intervention training
- Ability to assist individuals with developmental and other disabilities in all aspects of daily living as required, including lifting and transferring
- Up-to-date medical

## APPLY NOW! (<http://ontariocolleges.ca/apply>)

### Fees

#### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48 Next year's tuition fees will be available by May 1, 2016.

#### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$2,000 for first year. This is the best information available at the time of publishing to the website and is subject to change.



## Fall 2016

### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018

### Program of Study

#### Semester 1

DSW 1024	Group Dynamics and Advocacy	2
DSW 1115	Positive Behavioral Supports I	3
DSW 1117	Disabilities Strategies I	3
DSW 1125	Understanding Disabilities	2
DSW 1025	Field Seminar	1
ENG 1002	College Communication	3
HSC 1136	Basic Nursing Skills	3
PSY 1135	Issues in Developmental Psychology	3

The following General Education course:

PSY 1050	Introduction To Psychology I	3
Term Credits:		23

#### Semester 2

DSW 1210	Community Employability Skills	3
DSW 1217	Disabilities Strategies II	3
DSW 1218	Positive Behavioral Supports II	3
DSW 1022	Field Work IIA	4
DSW 1230	Autism Spectrum Disorders	3
ENG 1242	Speaking/Writing Comm. Services I	3
HSC 1236	Basic Nursing Skills II	3

One of the following General Education courses:

BUS 1008	Personal Finance	3
PSY 1125	Positive Psychology	3
SSC 1000	Media and Current Events	3
SOC 1007	Intro to Indigenous Studies	3
SCI 1001	Human Sexuality	3
Term Credits:		25

#### Semester 3

DSW 1021	Pharmacology for Developmental Services Worker	2
DSW 1225	Crisis Management and Prevention	3
DSW 1023	Field Work IIB	4
DSW 2310	Dual Diagnosis Treatment Assess	3
DSW 2316	Adult Issues and Advocacy	3
DSW 2317	Disability and Communication Systems	3
DSW 2330	Observation and Recording	3

One of the following General Education courses:

SOC 1007	Intro to Indigenous Studies	3
SCI 1001	Human Sexuality	3
PSY 1125	Positive Psychology	3

SSC 1000	Media and Current Events	3
BUS 1008	Personal Finance	3
Term Credits:		24

#### Semester 4

DSW 2405	Field Work III	7
DSW 2495	Field Work IV	8
Term Credits:		15
Total Credits:		87

#### Credits

## Graduate Options

### Employment Opportunities

Developmental Services Worker graduates make a difference in the lives of children and adults with developmental disabilities and their families. According to Statistics Canada, more than 60,000 Ontarians have a developmental disability. As a skilled and caring developmental services worker, you can help these people to live, work and participate in their communities as valued citizens. Your comprehensive understanding of developmental disabilities, knowledge of teaching and training strategies, skills in the area of behavioural interventions, and the desire to help others will help you build a rewarding career in this social services field.

Developmental Services Worker graduates support children and adults with intellectual disabilities, autism, physical challenges or other special needs. This can lead to a range of positions, including:

- Community support worker
- Educational/teaching assistant in a school
- Classroom assistant in a daycare program
- Counsellor in a seniors' program
- Residential counsellor
- Day program counsellor

### University Degree Opportunities

Graduates from this program may continue their studies at university and may receive credit for their prior College education. Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

## Contacts

#### Seija Korpela

Program Coordinator  
705-566-8101, ext 7264  
[seija.korpela@cambriancollege.ca](mailto:seija.korpela@cambriancollege.ca)

# DEVELOPMENTAL SERVICES WORKER - ALTERNATE DELIVERY (DSAD)

## Ontario College Diploma | 4 semesters | Barrydowne

Build your skills to launch a rewarding career where you can make a difference in the lives of individuals who have special needs – without having to leave your home community.

The Developmental Services Worker – Alternate Delivery program is delivered as a combination of virtual video instruction, online courses, and field placement, a great option if you require flexibility in your College schedule.

You'll first learn about the stages of human development, the types of developmental disabilities, and the range of community supports. In the following semesters, you will learn intervention techniques, person-centered planning, abnormal psychology/dual diagnosis, basic pharmacology, how to support people with autism, augmentative forms of communication, and prevention of and effective responses to people who have been abused. You will also develop the relationship building and critical thinking skills required to assist people with intellectual disabilities in identifying problems and solutions.

In-class learning will be complemented by extensive hands-on experience gained through five block placements, beginning with a placement one day a week for nine weeks in semester and continuing with placements in semesters three and four.

You will come away from this program with many practical skills, including how to:

- Communicate with clients in sign language and picture symbols
- Safely administer medications
- Create effective plans to teach new skills and behaviours and how to reinforce and maintain effective skills and positive behaviours over time
- Assist individuals with physical disabilities
- Help those with special needs to integrate into the community
- Work with families

## Program Highlights

- 2 years – 4 semesters
- Complete all course work from your home community
- Placement in semester one plus five additional block placements – the largest number of block placements of any Ontario college
- Small classes taught by industry experts who are active in the field
- Get hands-on experience in counselling, report writing, developing programs for individuals with disabilities, crisis management, and more
- Opportunities for summer and/or part-time employment with local organizations
- Earn certifications in First Aid and CPR and Non-violent Crisis Intervention during the program
- Fast-track option may be available through the Prior Learning Assessment and Recognition (PLAR) process and/or Advanced

Standing if you have related work experience or a related diploma/degree

## Fieldwork/Placement

There will be a field placement in the first and third semesters concurrent with classes. The fourth semester is a full-time placement. First Aid and CPR certification is required prior to the first semester placement. An up-to-date medical is required in addition to hepatitis "A" and "B" immunization, TB test, and tetanus shot prior to placement in first semester. Note: Some placement sites may require an influenza shot. All of the above requirements must be maintained and current for the purpose of attending placements. Students with a positive criminal record check may be refused placement by agencies and school boards.

## Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Community Services (<http://cambriancollege.ca/field-of-study/community-services>)

## Admissions

### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

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

Recommended:

- Computer competency in relevant software
- Any grade 11 mathematics (C), (U), or (M)
- Any biology (C), (U), or (M)
- A valid driver's license
- Volunteer work/co-op placement in a related area

## Additional Requirements

- First Aid and CPR certification prior to entering the second year
- Non-violent Crisis Intervention prior to the end of second semester
- An up-to-date criminal record check is required prior to all field placements
- Agencies may not accept students with a positive Criminal Record Check
- Ability to participate in non-violent Crisis Intervention training
- Ability to assist individuals with developmental and other disabilities in all aspects of daily living as required, including lifting and transferring

**APPLY NOW!** (<http://ontariocolleges.ca/apply>)

**Fall 2016**

## Program Delivery

Semester 1 - Fall 2016

Semester 2 - Winter 2017

Semester 3 - Fall 2017

Semester 4 - Winter 2018

## Program of Study

### Semester 1

		Credits
DSW 1024	Group Dynamics and Advocacy	2
DSW 1115	Positive Behavioral Supports I	3
DSW 1117	Disabilities Strategies I	3
DSW 1125	Understanding Disabilities	2
DSW 1025	Field Seminar	1
ENG 1002	College Communication	3
HSC 1136	Basic Nursing Skills	3
PSY 1135	Issues in Developmental Psychology	3

The following General Education course:		3
PSY 1050	Introduction To Psychology I	3
Term Credits:		23

### Semester 2

DSW 1210	Community Employability Skills	3
DSW 1217	Disabilities Strategies II	3
DSW 1218	Positive Behavioral Supports II	3
DSW 1022	Field Work IIA	4
DSW 1230	Autism Spectrum Disorders	3
ENG 1242	Speaking/Writing Comm. Services I	3
HSC 1236	Basic Nursing Skills II	3

One of the following General Education courses:		3
BUS 1008	Personal Finance	3
GER 2310	Dementia	3
PSY 1125	Positive Psychology	3
SSC 1000	Media and Current Events	3
Term Credits:		25

### Semester 3

DSW 1021	Pharmacology for Developmental Services Worker	2
DSW 1225	Crisis Management and Prevention	3
DSW 1023	Field Work IIB	4
DSW 2310	Dual Diagnosis Treatment Assess	3
DSW 2316	Adult Issues and Advocacy	3
DSW 2317	Disability and Communication Systems	3
DSW 2330	Observation and Recording	3

One of the following General Education courses:		3
CET 1003	Cybernation	3
SOC 1007	Intro to Indigenous Studies	3
SOC 1010	Cross-Cultural Understanding	3
Term Credits:		24

### Semester 4

DSW 2405	Field Work III	7
DSW 2495	Field Work IV	8
Term Credits:		15
Total Credits:		87

## Graduate Options

### Employment Opportunities

Developmental Service Worker graduates make a difference in the lives of children and adults with developmental disabilities and their families. According to Statistics Canada, more than 60,000 Ontarians have a developmental disability. Skilled and caring developmental services workers help these people to live, work, and participate in their communities as valued citizens. Our graduates have a comprehensive understanding of developmental disabilities, knowledge of teaching and training strategies, skills in the area of behavioural interventions, and the desire to help others that help them build a rewarding career in this social services field.

DSW graduates support children and adults with intellectual disabilities, autism, physical challenges, or other special needs. This can lead to a range of positions, including:

- Community support worker
- Educational/teaching assistant in a school
- Classroom assistant in a daycare centre
- Counsellor in a seniors' program
- Residential counsellor
- Day program counsellor

### University Degree Opportunities

Graduates from this program may continue their studies at university and may receive credit for their prior College education. Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00. for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$2,000 for first year. This is the best information available at the time of publishing to the website and is subject to change.

## Contacts

**Seija Korpela**  
Program Coordinator  
705-566-8101, ext 7264  
[seija.korpela@cambriancollege.ca](mailto:seija.korpela@cambriancollege.ca)

# DIAGNOSTIC MEDICAL SONOGRAPHY - ULTRASOUND (USPG)

## Ontario College Advanced Diploma | 6 semesters | Barrydowne | Limited Enrolment

Cambrian's accredited Diagnostic Medical Sonography – Ultrasound program will prepare you for entry-level roles in hospitals, medical clinics, and private industry. You'll enjoy wide ranging job opportunities, a higher than average salary, and a career where you'll be making a difference in the lives of patients.

You will learn to safely use scanning equipment and imaging techniques to produce images of a body part or system, skills that can be required throughout the different departments of a clinical facility including the trauma unit, operating room, and intensive care area, as well as the diagnostic imaging department.

To graduate from this program, you must demonstrate scanning abilities at a level of competency defined by Sonography Canada and within the timelines set out in the curriculum. Also, you will be expected to rotate to one or more sites during your placement component.

### Program Highlights

- 3 years – 6 semesters
- 3 placements
- One of only four colleges in Ontario to offer this program
- Hands-on experience working on the latest equipment in Cambrian's ultrasound lab and three hospitals
- Grads are eligible to apply to write The Canadian Association of Registered Diagnostic Ultrasound Professionals (CARDUP) and/or the American Registered Diagnostic Medical Sonography (ARDMS) certification examinations

### Fieldwork/Placement

You must participate in a relevant clinical experience during the program. Clinical experience is gained at a variety of affiliate hospitals throughout Canada. You must be financially prepared to relocate and support yourself away from Sudbury for the clinical semesters. You will be assigned a clinical site with rotations and additional clinical sites arranged at the discretion of the clinical partners' clinical coordinator.

Success in the clinical placement component is mandatory for success in the program. Failure to demonstrate scanning competency at clinical placement will result in a failure and exit from the program.

### Accreditation

Cambrian's program is accredited by the Canadian Medical Association.

### Registration to Practice

Upon successful completion of the program, you will have met all of the competencies in the National Competency Profiles established under CARDUP, and thereby be eligible to write the CARDUP (Canadian Association of Registered Ultrasound Professionals) and/or ARDMS (American Registered Diagnostic Medical Sonography) certification

examinations. As a graduate, will also have the opportunity to become a member of several professional diagnostic ultrasound associations.

Sonography Canada is the professional certification body for diagnostic medical sonography in Canada. Sonography Canada develops, maintains, and delivers the national certification examinations for sonography in Canada. You may be able to access the clinical assessment examination while in the latter stages of your program or as a graduate.

Sonography Canada is the amalgamation of the Canadian Association of Ultrasound Professionals (CARDUP) and the Canadian Society of Diagnostic Medical Sonographers (CSDMS) is the professional services society for diagnostic sonographers in Canada. Sonography Canada supplies professional services and liability coverage to Canadian sonographers including the Continuing Professional Development program which manages ongoing professional education for members.

### Limited Enrolment – 30 seats available

Please note that possession of the requirements specified does not guarantee admission. If the number of applicants exceeds the number of places in the program, the College reserves the right to select from among those applicants. All students applying by February 1 will be given equal consideration. Preference will be given to Ontario residents. Please see the Limited Enrolment F.A.Q.'s on our website under "How to Apply (<http://cambriancollege.ca/apply>)" for further details.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Health Sciences, Nursing, and Emergency Services (<http://cambriancollege.ca/field-of-study/health-sciences-nursing-emergency-services>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

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

Please note: A minimum of 70% is required in each prerequisite courses

Recommended:

- computer competency in relevant software

Note: Cambrian College's Pre-Health Sciences (HLPG) program is the designated preferred preparatory program for admission to Cambrian College's limited enrolment Health Sciences programs. Limited enrolment programs are identified within the detailed program descriptions. The minimum GPA and grades required for successful admission will be determined by the quality and quantity of the applicant pool.

### Additional Requirements

- Fit mask testing prior to clinical placement
- Current WHMIS training certificate prior to clinical placement
- Current Basic Cardiac Life Support certificate prior to clinical placement

- Immunization in accordance to the Ontario Hospitals Act
- Release and waiver for practicum placements, physical requirements and ultrasound scanning

Sonography Canada is the professional certification body for diagnostic medical sonography in Canada. Sonography Canada develops, maintains, and delivers the national certification examinations for sonography in Canada. Students may be able to access the clinical assessment examination while in the latter stages of their program or as a graduate.

Sonography Canada is the amalgamation of the Canadian Association of Ultrasound Professionals (CARDUP) and the Canadian Society of Diagnostic Medical Sonographers (CSDMS) is the professional services society for diagnostic sonographers in Canada. Sonography Canada supplies professional services and liability coverage to Canadian sonographers including the Continuing Professional Development program which manages ongoing professional education for members.

Upon successful completion of the program, the student will have met all of the competencies in the National Competency Profiles established under Sonography Canada, thereby eligible to write the CARDUP (Canadian Association of Registered Ultrasound Professionals) and/or ARDMS (American Registered Diagnostic Medical Sonography) certification examinations. Graduates will have the opportunity to become a member of several professional diagnostic ultrasound associations.

**APPLY NOW!** (<http://www.ontariocolleges.ca/apply>)

**Fall 2016**

## Program Delivery

- Semester 1 - Fall 2016
- Semester 2 - Winter 2017
- Semester 3 - Fall 2017
- Semester 4 - Winter 2018
- Semester 5 - Spring 2018
- Semester 6 - Fall 2018

## Program of Study

### Semester 1

		Credits
BIO 1001	Anatomy Physiology	3
ENG 1121	Research Writing/Health Sciences	3
USP 1001	Sonography Lab Practice I	2
USP 1106	Principles of Sonographic Physics I	4
USP 1110	Fundamentals of Scanning	3
USP 1116	Abdominal Ultrasound I	4
The following General Education course:		3
FIT 1115	Health Wellness	3
Term Credits:		22

### Semester 2

BIO 1250	Sonographic Anatomy Physiology II	3
USP 1003	Sonography Lab Practice II	2
HEA 1022	Canadian Health Care	3
USP 1007	Obstetrics and Gynecology I	4
USP 1008	Vascular Scanning	4
USP 1206	Principles of Sonographic Physics II	4

USP 1216	Abdominal Scanning II	4
One of the following General Education courses:		3

GER 1200	Introduction To Gerontology	3
PSY 1125	Positive Psychology	3
Term Credits:		27

### Semester 3

LAW 1001	Health Legislation Prof. Practice	3
USP 1005	Vascular Scanning II	3
USP 1006	Sonography Lab Practice III	2
USP 2105	Principles/Sonographic Physics III	2
USP 2131	Obstetrics and Gynecology II	4
USP 2141	Musculoskeletal Sonography	3
USP 2145	Neurosonography	2
One of the following General Education courses:		3

SCI 1000	Issues and Ethics in Science	3
SSC 1002	Thinking, Reasoning, Relating	3
Term Credits:		22

### Semester 4

USP 2240	Pathology and Anomalies I	1
USP 1009	Clinical Practicum I	26
Term Credits:		27

### Semester 5

USP 3140	Pathology Anomalies II	1
USP 1010	Clinical Practicum II	26
Term Credits:		27

### Semester 6

USP 3240	Pathology Anomalies III	1
USP 3250	Comprehensive Exam	1
USP 1011	Clinical Practicum III	26
Term Credits:		28
Total Credits:		153

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$6,694.70. Next year's tuition fees will be available by May 1, 2016.

### Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$1,500 for the first year. This is the best information available at the time of publishing and is subject to change.

### Graduate Options

### Employment Opportunities

Graduates are employed in hospitals, medical clinics, and private industry.

### University Degree Opportunities

Graduates from this program may continue their studies at university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

## **Contacts**

### **Sheila Grech**

Program Coordinator

705-566-8101, ext 6480

[sheila.grech@cambriancollege.ca](mailto:sheila.grech@cambriancollege.ca)



# EARLY CHILDHOOD EDUCATION (ECEP)

## Ontario College Diploma | 4 semesters | Barrydowne

You will have the opportunity to develop the knowledge and skills necessary to organize and maintain a safe and stimulating learning environment that ensures the total development of the child.

You will examine how children grow and build a foundation of understanding that children learn through play. This learning approach combined with a culturally-relevant environment will reflect that children are curious, capable, and competent.

Cambrian's program is recognized by the College of Early Childhood Educators, which allows you to apply to become a Registered Early Childhood Educator and be eligible to work in all types of child care settings in Ontario when you graduate.

### Program Highlights

- 2 years – 4 semesters
- Placement in each semester
- Opportunities for international placements in China and Finland
- Industry guest speakers and field trips to local agencies
- Practical learning in the mock child care centre on campus
- Grads are eligible to apply to become Registered Early Childhood Educators (RECE)

### Fieldwork/Placement

There will be a work placement in an early childhood centre in the first semester. In addition, there will be community placements during the remaining semesters. You will be responsible for any expenses incurred during placement, such as transportation, meals, and accommodation.

Agencies may demand criminal record checks before granting a placement.

### 4D Learning Opportunities

Share a Book project – Each year, students collect new and gently used books for local health clinics and/or food banks.

Teddy Bear Picnic – Each year, students facilitate activities for young guests at this annual College event that raises funds for pediatric cancer research.

### Registration to Practice – Early Childhood Education Designation

Persons who wish to refer to themselves as Early Childhood Educators must apply for registration with the College of Early Childhood Educators. A requirement to apply for registration is possession of an Early Childhood Education diploma from an Ontario College of Applied Arts and Technology. It is the responsibility of the graduate to register with the College of Early Childhood Educators.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Community Services (<http://cambriancollege.ca/field-of-study/community-services>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

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

Recommended:

- Any grade 11 or 12 family studies (C), (U), or (M)
- Computer competency in relevant software

#### Additional Requirements

Before the first field placement, students will be required to complete the following:

- Anaphylactic shock training (offered first semester)
- Two-step TB test
- First Aid Certificate prior to third field placement
- Criminal record check
- Record of up-to-date immunizations
- Obtain a note from a physician indicating freedom from communicable diseases

### APPLY NOW! (<http://ontariocolleges.ca/apply>) Fall 2016

#### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018

#### Program of Study

Semester 1		Credits
ECE 1050	Health Nutrition	3
ECE 1115	Intro Early Childhood Education	3
ECE 1120	Child growth development I	3
ECE 1130	Field Seminar I	1
ECE 1140	The Creative Environment - Learning	3
ENG 1002	College Communication	3
The following General Education course:		3
PSY 1050	Introduction To Psychology I	3
One of the following General Education courses:		3
SOC 1007	Intro to Indigenous Studies	3
BUS 1008	Personal Finance	3
BUS 1015	Negotiation Labour Relations	3
GER 2310	Dementia	3
SSC 1000	Media and Current Events	3
SCI 1001	Human Sexuality	3
Term Credits:		22



**Semester 2**

ECE 1201	Curriculum Planning I	3
ECE 1205	Observing and Recording	3
ECE 1220	Child Growth And Development II	3
ECE 1230	Field Seminar II	1
ECE 1239	Field Practicum II	6
ECE 1295	Child Guidance	3
ENG 1242	Speaking/Writing Comm. Services I	3
Term Credits:		22

**Semester 3**

ECE 2040	Anti-Bias Curriculum	3
ECE 2301	Curriculum Planning II	3
ECE 2320	Infant Care	3
ECE 2330	Field Seminar III	1
ECE 2339	Field Practicum III	4
ECE 2395	Family Liaison	3
One of the following General Education courses:		3
SOC 1007	Intro to Indigenous Studies	3
PSY 1125	Positive Psychology	3
SSC 1000	Media and Current Events	3
BUS 1008	Personal Finance	3
SCI 1001	Human Sexuality	3
Term Credits:		20

**Semester 4**

ECE 1012	Leadership in ECE	3
ECE 1013	Child Abuse	3
ECE 2315	Curriculum Models In ECE	3
ECE 2430	Field Seminar IV	1
ECE 2439	Field Practicum IV	6
ECE 2450	Inclusive Theory Practices	3
ECE 2455	Program for the School Age Child	4
Term Credits:		23
Total Credits:		87

**Graduate Options****Employment Opportunities**

Graduates may find career opportunities as Early Childhood Educators working with a variety of age groups including infants, toddlers, preschoolers, and school age children in:

- Child care centres
- Best Start Hubs
- Full-day kindergarten classrooms

Graduates may also find employment:

- In agencies that provide services to young children and their families
- As Licensed Home Child Care Visitors
- As a resource support for children with special needs

**University Degree Opportunities**

Graduates from this program may continue their studies at university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

**Contacts****Maxine King**

Program Coordinator

705-566-8101, ext 6391

[maxine.king@cambriancollege.ca](mailto:maxine.king@cambriancollege.ca)

**Fees****Tuition Fee (Canadian Students)**

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

**Tuition Fee (International Students)**

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

**Books & Supplies**

The estimated cost of books and supplies for 2015-2016 is approximately \$2,000 for first year. This is the best information available at the time of publishing to the website and is subject to change.

# EARLY CHILDHOOD EDUCATION - ALTERNATE DELIVERY (ECAD)

## Ontario College Diploma | 5 Semesters | Barrydowne and Distance Study

This program is offered in an alternate delivery format geared specifically to those who are currently working in the field of early childhood education (must be working for a minimum of six months). This unique alternate delivery program is the only one of this type in Ontario and allows you to complete your diploma while continuing to work in the field.

You will have the opportunity to develop the knowledge and skills necessary to organize and maintain a safe and stimulating learning environment that ensures the total development of the young child.

You will examine how children grow and build a foundation of understanding that children learn through play. This learning approach combined with a culturally-relevant environment will reflect that children are curious, capable, and competent.

The program includes on-site learning, online learning, and facilitated learning. Course credits and/or previous work experience may qualify you to receive Cambrian courses credits through our Prior Learning Assessment and Recognition process.

Cambrian's program is recognized by the College of Early Childhood Educators, which allows you to apply to become a Registered Early Childhood Educator and be eligible to work in all types of child care settings in Ontario when you graduate.

### Program Highlights

- 5 semesters – 2 years
- Compressed course delivery
- Combination of facilitated distance study and intensive on-campus sessions
- Continue to work while completing courses
- The only alternate delivery program of this type in Ontario

### Fieldwork/Placement

Field placements are an important component of the program. Since you will already have work experience coming into the program, an individualized placement plan will be developed for you.

### Registration to Practice – Early Childhood Education Designation

Persons who wish to refer to themselves as Early Childhood Educators must apply for registration with the College of Early Childhood Educators. A requirement to apply for registration is possession of an Early Childhood Education diploma from an Ontario College of Applied Arts and Technology. It is the responsibility of the graduate to register with the College of Early Childhood Educators.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Community Services (<http://cambriancollege.ca/field-of-study/community-services>)

## Admissions

### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

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

Recommended:

- Any grade 11 or 12 family studies (C), (U), or (M)
- Computer competency in relevant software

### Additional Requirements

- Two-step TB test
- First Aid Certificate prior to second field placement
- Vulnerable Sector Criminal Record Check is required prior to field placements
- Record of up-to-date immunizations
- A note from a physician indicating freedom from communicable diseases

## APPLY NOW! (<http://ontariocolleges.ca/apply>) Fall 2016

### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018  
Semester 5 - Spring 2018

### Program of Study

Semester 1		Credits
ECE 1050	Health Nutrition	3
ECE 1115	Intro Early Childhood Education	3
ECE 1120	Child growth development I	3
ECE 1130	Field Seminar I	1
ECE 1140	The Creative Environment - Learning	3
ENG 1002	College Communication	3
ISP 1046	Introduction to Computers	1
The following General Education course:		3
PSY 1050	Introduction To Psychology I	3
Term Credits:		20
Semester 2		
ECE 1201	Curriculum Planning I	3
ECE 1205	Observing and Recording	3
ECE 1220	Child Growth And Development II	3
ECE 1230	Field Seminar II	1
ECE 1239	Field Practicum II	6
ECE 1295	Child Guidance	3
Term Credits:		19
Semester 3		
ECE 2040	Anti-Bias Curriculum	3
ECE 2301	Curriculum Planning II	3

ECE 2320	Infant Care	3
ECE 2330	Field Seminar III	1
ECE 2339	Field Practicum III	4
Term Credits:		14
<b>Semester 4</b>		
ECE 2395	Family Liaison	3
ECE 2450	Inclusive Theory Practices	3
ECE 2455	Program for the School Age Child	4
ENG 1700	Communications II	3
One of the following General Education courses:		3
SSC 1000	Media and Current Events	3
SOC 1007	Intro to Indigenous Studies	3
BUS 1008	Personal Finance	3
PSY 1125	Positive Psychology	3
SCI 1001	Human Sexuality	3
Term Credits:		16
<b>Semester 5</b>		
ECE 1012	Leadership in ECE	3
ECE 1013	Child Abuse	3
ECE 2315	Curriculum Models In ECE	3
ECE 2430	Field Seminar IV	1
ECE 2439	Field Practicum IV	6
One of the following General Education courses:		3
PSY 1125	Positive Psychology	3
SCI 1001	Human Sexuality	3
Term Credits:		19
Total Credits:		88

- Early Learning kindergarten classrooms

Many Early Childhood Educators are employed in programs for children with exceptionalities in:

- Child care centres
- Nursery schools
- Public and separate school systems

Other employment opportunities exist for:

- Licensed home day care providers
- Licensed Home Child Care Visitors
- Child and family resource worker

## University Degree Opportunities

Graduates from this program may continue their studies at university and receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

## Contacts

### Maxine King

Program Coordinator  
705-566-8101, ext 6391  
[maxine.king@cambriancollege.ca](mailto:maxine.king@cambriancollege.ca)

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,102.58. Next year's tuition fees will be available May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2014-2015 academic year is \$13,327.00 for two semesters of study. Some exceptions apply. Next year's tuition fees will be available May 1, 2015.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$2,000 for first year. This is the best information available at the time of publishing and is subject to change.

## Graduate Options

### Employment Opportunities

Graduates may find career opportunities as Early Childhood Educators working with a variety of age groups including infants, toddlers, preschoolers, and school age children in:

- Child care centres
- Best Start Hubs

# ELECTRICAL ENGINEERING TECHNICIAN - INDUSTRIAL (EETN)

## Ontario College Diploma | 4 semesters | Barrydowne | Capped Enrolment

Our program is modelled after the in-school portions of the Basic Electrician Apprenticeship. It includes practical, hands-on experience and in-class theoretical learning. You will gain theoretical knowledge in the areas of installation, troubleshooting, repair, and maintenance of complex electrical machinery. You will also apply electrical safety code and print reading knowledge to commercial and industrial installations. In addition, you will be introduced to Programmable Logic Controllers (PLC), power electronics, and instrumentation fundamentals.

### Program Highlights

- 2 years – 4 semesters
- Co-op diploma apprenticeship option
- Electrical lab features industry-standard 600 volt equipment
- Hands-on experience using AutoCAD, PLCs, and instrumentation tools
- Graduates can continue into Cambrian's Electrical Engineering Technology program

### Co-op Diploma Apprenticeship Program Option

The Co-op Diploma Apprenticeship program combines a college diploma program and apprenticeship training leading to a Certificate of Qualification. The program enables individuals to train as apprenticeship participants, completing all in-school learning outcomes (trade school). In addition, participants have the option to pursue a co-op with an employer. Individuals who want to register for the Co-op Diploma Apprenticeship program must meet all eligibility criteria for both the college diploma program as well as apprenticeship training. For further information, please contact the Coordinators, Cooperative Placements at 705-566-8101, ext 7564 or 7707.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Skills and Trades Training (<http://cambriancollege.ca/field-of-study/skills-and-trades-training>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

- Any grade 12 English (C), (U) or (M)
- Any grade 12 mathematics (C) or (U) (MCT4C is highly recommended)

Recommended:

- Any grade 11 or 12 physics (C) or (U)

### Additional Information

The Skills Technology Institute (SkyTech) sponsors qualified Co-op Diploma Apprenticeship students to work as apprentices on a cooperative work term following their first and/or academic years. For further information, visit [www.cambriancollege.ca/skytech](http://www.cambriancollege.ca/skytech) (<http://www.cambriancollege.ca/skytech>).

## APPLY NOW! (<http://ontariocolleges.ca/apply>) Fall 2016

### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018

### Program of Study

Semester 1		Credits
CAD 1100	Computer-Aided Drafting I	2
ELC 1004	Prints Electrical Code I	3
ELC 1009	Electrical Workplace Safety	2
ELC 1125	Electrical Installation I	5
ELR 1121	Electrical Fundamentals	6
MTH 1152	Electrical Math I	3
The following General Education course:		3
SSC 1000	Media and Current Events	3
Term Credits:		24
Semester 2		
ELC 1211	Electrical Installation II	5
ELC 1215	Motor Control Fundamentals	4
ELC 1226	Power Electronics Theory	3
ELC 2308	Prints Electrical Code II	3
ENE 1012	Introduction to Renewable Energy	2
ENG 1002	College Communication	3
INT 1004	Intro to Instrumentation	2
MTH 1252	Electrical Math II	3
Term Credits:		25
Semester 3		
ELC 1011	Prints and Electrical Code III	3
ELC 2315	Electrical Systems	7
ELN 2320	Power Electronics I	5
ENG 1780	Applied Communication II	2
INT 1006	Instrumentation I	4
MTH 2352	Electrical Math III	3
One of the following General Education courses:		3
BUS 1015	Negotiation Labour Relations	3
CET 1003	Cybernation	3
MUS 1009	Rock Music, Culture Technology	3
PSY 1001	Psychology of Evil	3
SCI 1000	Issues and Ethics in Science	3
Term Credits:		27

**Semester 4**

ELC 1012	Prints and Electrical Code IV	3
ELC 2403	AC DC Machines	7
ELC 2425	PLC Basic Programming	4
ELN 2419	Power Electronics II	4
INT 1007	Instrumentation II	4
One of the following General Education courses:		3
BUS 1015	Negotiation Labour Relations	3
CET 1003	Cybernation	3
MUS 1009	Rock Music, Culture Technology	3
PSY 1001	Psychology of Evil	3
SCI 1000	Issues and Ethics in Science	3
<hr/>		
Term Credits:		25
<hr/>		
Total Credits:		101

**Fees****Tuition Fee (Canadian Students)**

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

**Tuition Fee (International Students)**

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

**Books & Supplies**

The estimated cost of books and supplies for 2015-2016 is approximately \$800. This is the best information available at the time of publishing to the website and is subject to change.

**Graduate Options****Furthering Your Studies**

Students successfully completing Cambrian College's Electrical Engineering Technician - Industrial program may enter directly into Cambrian College's Electrical Engineering Technology - Industrial program.

**Employment Opportunities**

Graduates will have completed the equivalent of the intermediate in-school training for an Industrial Electrician. Their competencies will not only make them desirable candidates as Apprentice Electricians, but they will also be capable of performing the functions of an Electrical Engineering Technician in an engineering environment.

**Contacts****Orest Staneckyj**

Program Coordinator

705-566-8101, ext 6373

orest.staneckyj@cambriancollege.ca

# ELECTRICAL ENGINEERING TECHNOLOGY (EETY)

## Ontario College Advanced Diploma | 6 semesters | Barrydowne | Capped Enrolment

Our program is designed to meet the needs of various industries that rely on electrical technologists to support day-to-day operations and project work. Courses include an in-depth study of power electronics, electrical control systems, and instrumentation on actual equipment used by industry that will give you the ability to install, maintain, and troubleshoot today's modern electrical systems.

Completing this technology-level program will help position you for faster career advancement opportunities.

### Program Highlights

- 3 years – 6 semesters
- Co-op diploma apprenticeship option allows you to complete the first, second, and third levels of in-school apprenticeship training
- Electrical lab features industry-standard 600 volt equipment
- Hands-on experience using AutoCAD, PLCs, and instrumentation tools
- Learn to write reports that meet standards set by the Canadian Council of Technicians and Technologists

### Co-op Diploma Apprenticeship Program Option

The Co-op Diploma Apprenticeship program combines a college advanced diploma program and apprenticeship training leading to a Certificate of Qualification. The program enables individuals to train as apprenticeship participants, completing all in-school learning outcomes (trade school). In addition, participants have the option to pursue a co-op with an employer. Individuals who want to register for the Co-op Diploma Apprenticeship program must meet all eligibility criteria for both the college advanced diploma program as well as apprenticeship training. For further information, please contact the Coordinators, Cooperative Placements at 705-566-8101, ext 7564 or 7707.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Skills and Trades Training (<http://cambriancollege.ca/field-of-study/skills-and-trades-training>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

- Any grade 12 English (C), (U) or (M)
- Any grade 12 mathematics (C) or (U) (MCT4C is highly recommended)

Recommended:

- Any grade 11 or 12 physics (C) or (U)

## APPLY NOW! (<http://ontariocolleges.ca/apply>) Fall 2016

### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018  
Semester 5 - Fall 2018  
Semester 6 - Winter 2019

### Program of study

Semester 1		Credits
CAD 1100	Computer-Aided Drafting I	2
ELC 1004	Prints Electrical Code I	3
ELC 1009	Electrical Workplace Safety	2
ELC 1125	Electrical Installation I	5
ELR 1121	Electrical Fundamentals	6
MTH 1152	Electrical Math I	3
The following General Education course:		3
SSC 1000	Media and Current Events	3
Term Credits:		24
Semester 2		
ELC 1211	Electrical Installation II	5
ELC 1215	Motor Control Fundamentals	4
ELC 1226	Power Electronics Theory	3
ELC 2308	Prints Electrical Code II	3
ENE 1012	Introduction to Renewable Energy	2
ENG 1002	College Communication	3
INT 1004	Intro to Instrumentation	2
MTH 1252	Electrical Math II	3
Term Credits:		25
Semester 3		
ELC 1011	Prints and Electrical Code III	3
ELC 2315	Electrical Systems	7
ELN 2320	Power Electronics I	5
ENG 1780	Applied Communication II	2
INT 1006	Instrumentation I	4
MTH 2352	Electrical Math III	3
One of the following General Education courses:		3
BUS 1015	Negotiation Labour Relations	3
CET 1003	Cybernation	3
MUS 1009	Rock Music, Culture Technology	3
PSY 1001	Psychology of Evil	3
SCI 1000	Issues and Ethics in Science	3
Term Credits:		27
Semester 4		
ELC 1012	Prints and Electrical Code IV	3
ELC 2403	AC DC Machines	7
ELC 2425	PLC Basic Programming	4
ELN 2419	Power Electronics II	4

INT 1007	Instrumentation II	4
One of the following General Education courses:		
BUS 1015	Negotiation Labour Relations	3
CET 1003	Cybernation	3
MUS 1009	Rock Music, Culture Technology	3
PSY 1001	Psychology of Evil	3
SCI 1000	Issues and Ethics in Science	3
Term Credits:		25
<b>Semester 5</b>		
ELC 1006	Intermediate PLC	6
ELC 3504	Industrial Wiring Practices	6
ELC 3511	Electronic Drives	3
INT 3505	Instrumentation III	3
MTH 2353	Electrical Math III (TECH)	3
TEC 3501	Technical Report Research	1
Term Credits:		22
<b>Semester 6</b>		
ELC 1007	PLC Projects Troubleshooting	5
ELC 1008	Electrical Protection Dist.	3
ELC 3609	Fundamental Hydraulics	3
ELC 3613	Industrial Networking	6
MTH 3552	Electrical math v	3
TEC 3601	Technical Report	1
Term Credits:		21
Total Credits:		144

## University Degree Opportunities

Graduates from this program may continue their studies at university and may receive credit for their prior College education. Refer to College/ University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

## Contacts

**Tom Fahey**  
Program Coordinator  
705-566-8101, ext 7524  
[tom.fahey@cambriancollege.ca](mailto:tom.fahey@cambriancollege.ca)

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$500. This is the best information available at the time of publishing to the website and is subject to change.

## Graduate Options

### Employment Opportunities

Because graduates will have completed extensive electrical training, they will be attractive to employers as Apprentice Electricians.

Graduates may also work as electrical engineering technologists analyzing, maintaining and operating industrial electrical equipment such as variable speed drives, motor controls, Programmable Logic Controllers (PLC), industrial networks, and other specialized equipment.



# ELECTRICAL TECHNIQUES (EETQ)

## Ontario College Certificate | 2 semesters | Barrydowne | Limited Enrolment

You will gain a solid foundation in the theoretical and practical aspects of the electrical trade and become familiarized with the tools and materials used on the job. You will also learn how to effectively use the Ontario Electrical Safety Code.

### Program Highlights

- 1 year – 2 semesters
- Co-op diploma apprenticeship option
- Electrical lab features industry-standard 120/240 volt equipment
- Hands-on wiring experience, interpreting electrical drawings/prints and working in AutoCAD
- Graduates can continue into Cambrian's Electrical Engineering Technician and Technology programs

### Co-op Diploma Apprenticeship Program Option

The placement for this program is an optional co-op and is not required for you to graduate from your regular postsecondary program. You can choose to complete your postsecondary program, and you can graduate with a diploma without participating in the co-op option. However, if you choose, and qualify, to participate in this optional Co-op Diploma Apprenticeship program, you will become a registered apprentice sponsored by your co-op employer. Through your participation in this program, you will have the opportunity to participate in two paid co-op placements while earning a college diploma. The combination of your academic curriculum and the experience from the co-op placements enables you to receive completion from the Ministry of Training, Colleges and Universities for the first, second, and third levels of in-school apprenticeship training.

### Limited Enrolment

Please note that possession of the requirements does not guarantee admission. If the number of qualified applicants exceeds the number of places available in the program, the College reserves the right to select from among those applicants. All students applying by February 1 (for September start) or September 4 (for January start) will be given equal consideration. Preference will be given to Ontario residents. Please see the Limited Enrolment FAQs on our website under "How to Apply" for further details.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Skills and Trades Training (<http://cambriancollege.ca/field-of-study/skills-and-trades-training>)

### Admissions

### Admissions

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

- Any grade 12 English (C), (U) or (M)
- Any grade 12 mathematics (C) or (U) (MCT4C is highly recommended)

Recommended:

- Any grade 11 or 12 physics (C) or (U)

**A** (<http://www.ontariocolleges.ca/apply>) **PPLY NOW!** (<http://ontariocolleges.ca/apply>)

### Fall 2016

### Program Delivery

Semester 1 - Fall 2016

Semester 2 - Winter 2017

### Program of Study

#### Semester 1

	Credits	
CAD 1100	Computer-Aided Drafting I	2
ELC 1004	Prints Electrical Code I	3
ELC 1009	Electrical Workplace Safety	2
ELC 1125	Electrical Installation I	5
ELR 1121	Electrical Fundamentals	6
MTH 1152	Electrical Math I	3
The following General Education course:		3
SSC 1000	Media and Current Events	3
Term Credits:		24

#### Semester 2

ELC 1211	Electrical Installation II	5
ELC 1215	Motor Control Fundamentals	4
ELC 1226	Power Electronics Theory	3
ELC 2308	Prints Electrical Code II	3
ENE 1012	Introduction to Renewable Energy	2
ENG 1002	College Communication	3
INT 1004	Intro to Instrumentation	2
MTH 1252	Electrical Math II	3
Term Credits:		25
Total Credits:		49

### Fees

#### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

#### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

### Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$2,250. This is the best information available at the time of publishing to the website and is subject to change.

## Graduate Options

### Furthering Your Studies

Students who successfully complete the Electrical Techniques program have the option of entering into Cambrian College's Electrical Engineering Technician program or the Instrumentation Engineering Technician program.

### Employment Opportunities

Graduates may find employment as:

- An apprentice residential, construction and maintenance or industrial electrician
- An apprentice in the mechanical trades, such as heating, air conditioning, and refrigeration.

### Contacts

**Marcia Ranger**

Program Coordinator

705-566-8101, ext 7481

marcia.ranger@cambriancollege.ca

**Scott MacLennan**

Program Coordinator

705-566-8101, ext 6453

scott.maclennan@cambriancollege.ca

# ENVIRONMENTAL FIELD TECHNIQUES (EFPW)

## Ontario College Certificate | 3 semesters | Barrydowne

Gain the entry-level skills and practical field experience to identify, measure, and record environmental variables within the air, water, soil and living organisms. This program prepares you to perform appropriate sampling, use state-of-the-art equipment, and assist in the remediation and long-term monitoring of contaminated eco-system components. Throughout the program, you will also build your knowledge of pertinent environmental regulations and policies.

### Program Highlights

- 1 year – 3 semesters
- 4-week internship in semester 3
- Opportunity to earn National Green Check level I and II geomatics certifications through course work
- Learn to assess and monitor air, water, soil, and related eco-systems
- Use case studies to understand provincial and federal legislation
- Develop your technical writing skills

### Fieldwork/Placement

You will undertake an approved 4-week internship with a company or agency involved in environmental work or research.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Environmental Studies (<http://cambriancollege.ca/field-of-study/environmental-studies>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): 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)

**APPLY NOW!** (<http://ontariocolleges.ca/apply>)

### Fall 2016

#### Program Delivery

Semester 1 - Fall 2016

Semester 2 - Winter 2017

Semester 3 - Spring 2017

#### Program of Study

Semester 1		Credits
CHM 1005	Chemistry Fundamentals	3
ECO 1000	Principles of Ecology	3
ENV 1007	Biodiversity Fundamentals	3
ENV 1008	Water Properties and Monitoring	3

ENV 1009	Air Properties and Monitoring	3
ENV 1011	Soil Science	3
Term Credits:		18

#### Semester 2

CMP 1017	Computer Applications	2
ECO 1001	Ecosystem Restoration	3
ENV 1012	Outdoor Equipment and Survival	3
ENV 1013	Principles of Natural Resources Management	3
ENV 1014	Environmental Impact Assessment	3
ENV 1015	Fundamentals of Environmental Micro. Toxicology	3
TEC 1000	Technical Reporting	2
Term Credits:		19

#### Semester 3

ENV 1016	Field Term	10
Term Credits:		10
Total Credits:		47

### Fees

#### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,747.98 for three semesters of study. Next year's tuition fees will be available by May 1, 2016.

#### Tuition Fee (International Students)

The tuition Fee for the 2015-2016 academic year is \$16,157.90 for three semesters of study. Next year's tuition fees will be available by May 1, 2016.

### Graduate Options

#### Employment Opportunities

Graduates can work in a variety of industrial, governmental, municipal, and private consulting organizations as:

- Environmental monitoring technicians
- Natural resource technicians
- Environmental consultants
- Environmental laboratory technicians
- Field research assistants

### University Degree Opportunities

Graduates of this program may continue their studies at university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

### Contacts

#### Darryl Edwards

Program Coordinator

705-566-8101, ext 7256

[darryl.edwards@cambriancollege.ca](mailto:darryl.edwards@cambriancollege.ca)

# ENVIRONMENTAL MONITORING & IMPACT ASSESSMENT (EMPD)

## Ontario College Graduate Certificate | 3 semesters | Barrydowne

You will gain the skills and knowledge to practice environmental monitoring and biodiversity conservation, along with the ability to promote ecosystem sustainability on the watershed, atmospheric, and landscape scales.

Course content is shaped by social needs, industry expectations, and regulatory requirements. You will learn about environmental impact assessment methods, remediation technologies, and environmental laws and regulations, including their application across industries and organizations involved in various areas of the environmental sector.

Our graduates can be found working at top environmental and engineering consulting firms such as Golder and Associates and corporations such as Chrysler, as well as in smaller firms and in their own businesses.

### Program Highlights

- 1 year – 3 semesters
- Placement in semester three
- Program housed in the LEED Gold certified Glencore Centre for Innovation
- Unique focus on the air monitoring and remediation of air, land, and water ecosystems impacted by the mining industry
- Opportunities throughout the year to earn certifications related to the environmental field (e.g. Green Check GPS certification)
- Prepares you to write the Operator-in-Training exam

### 4D Learning Opportunities

Applied research projects – Students have the opportunity to apply to be part of paid applied research teams to work on new product development alongside industry representatives and Cambrian faculty.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Environmental Studies (<http://cambriancollege.ca/field-of-study/environmental-studies>)

### Admissions

#### Admission Requirements

Graduate of a recognized two-, three-, or four-year postsecondary program in a relevant discipline (Biology, Chemistry, Earth/Environmental Science/Studies, Geology, Geography, Civil Engineering, Mining Engineering, Chemical Engineering).

**APPLY NOW!** (<http://ontariocolleges.ca/apply>)

**Fall 2016**

#### Program Delivery

Semester 1 - Fall 2016

Semester 2 - Winter 2017

Semester 3 - Spring 2017

### Program of Study

Semester 1		Credits
EMI 7100	Air Quality Assessment	3
EMI 7105	Hydrology Water Quality Assess	3
EMI 7110	Environmental Issues Ethics	2
EMI 7115	Biodiversity Conservation	3
EMI 7125	Experiment Design Data Analysis	3
EMI 7210	Industrial Impact/Mine Reclamation	3
EMI 7220	Solid Waste Management	3
Term Credits:		20
<b>Semester 2</b>		
EMI 7120	GIS Applications	3
EMI 7130	Technical Writing	2
EMI 7200	Environmental Impact Assess Model	3
EMI 7205	Water Remediation Techniques	3
EMI 7215	Environmental Physiology	3
EMI 7225	Air Pollution Abatement	3
EMI 7230	Fish Wildlife Restoration	3
Term Credits:		20
<b>Semester 3</b>		
EMI 7300	Environmental Sampling Analysis	8
Term Credits:		8
Total Credits:		48

### Fees

#### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$7,155.50 for three semesters of study. Next year's tuition fees will be available by May 1, 2016.

#### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$15,192.38 for three semesters of study. Next year's tuition fees will be available by May 1, 2016.

### Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$900. This is the best information available at the time of publishing to the website and is subject to change.

### Graduate Options

#### Employment Opportunities

Graduates may find employment in various environmental monitoring, auditing, and assessment roles with:

- Industry (mining, pulp and paper, logging, construction)
- Government (Ministry of the Environment, Ministry of Natural Resources, Ministry of Northern Development and Mines)
- Municipalities (conservation authorities, water treatment facilities)
- Educational institutions (university and college technicians/technologists, instructors, research assistants)

- Private environmental consulting and engineering firms

## **Contacts**

### **Darryl Edwards**

Program Coordinator

705-566-8101, ext 7256

[darryl.edwards@cambriancollege.ca](mailto:darryl.edwards@cambriancollege.ca)

# GENERAL ARTS & SCIENCE - COLLEGE EXPLORATION (GAEP)

## Ontario College Diploma | 1 - 4 semesters | Barrydowne

No other program at Cambrian is as flexible and customizable as General Arts and Science – College Exploration. With no core curriculum, you have the ability to completely tailor your studies and work towards a College certificate or diploma or to bridge into a full-time Cambrian program. You'll benefit from exposure to a variety of professors and subject matter as you explore potential career paths.

You'll work with our educational planners each semester to select courses depending on availability of seats, timetabling constraints, and prerequisite restrictions. Four semesters may give you the number of credits required for a General Arts and Science diploma.

## Program Highlights

- 1-2 years – 1-4 semesters
- Earn a certificate or diploma or bridge into another Cambrian program
- Create a customized timetable to explore various programs and career paths
- Receive support from Cambrian staff to develop an individualized educational plan to meet your needs and interests

## Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

General Studies (<http://cambriancollege.ca/field-of-study/general-studies>)

## Admissions

### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

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

Applicants who are 19 years of age or over and who lack the admission requirements will be considered on an individual basis.

## APPLY NOW! (<http://ontariocolleges.ca>)

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2014-2015 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2014-2015 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

Depends on course selection

## Graduate Options

### Employment Opportunities

Graduates may find employment in occupations requiring a general education or with organizations that prefer to administer their own training programs.

## Contacts

**Jennifer Tincombe**

705-566-8101, ext 6999

[Learning.Centre@cambriancollege.ca](mailto:Learning.Centre@cambriancollege.ca)

# GENERAL ARTS & SCIENCE CERTIFICATE (GAPG)

## Ontario College Certificate | 2 semesters | Barrydowne

Are you unsure of your career goals? Not sure which college or university program is best for you? Work with our educational planners to create a customized two-semester certificate program that will allow you to explore your academic and career options while earning College credits. Most students choose this option as a bridge to other college program or to university studies.

### Program Highlights

- 1 year – 2 semesters
- Create a customized timetable to explore various programs and career paths
- Receive support from Cambrian staff to develop an individualized educational plan to meet your needs and interests
- Grads can bridge into another College program

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

General Studies (<http://cambriancollege.ca/field-of-study/general-studies>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

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

**APPLY NOW!** (<http://ontariocolleges.ca/apply>)

## Fall 2016

### Program Delivery

Semester 1 - Fall 2016

Semester 2 - Winter 2017

### Program of Study

Please note: Elective course choices depend on available space in classes, timetable constraints, and prerequisite courses.

#### Semester 1

SSC 1002 Thinking, Reasoning, Relating  
Any College Level Writing-Based English Course  
Any 3 or 4 Credit College Level Mathematics Course  
Choose 5 to 7 Elective Credit Courses  
Any one of the following:  
Any College Level Compute Course  
Any 3 or 4 Credit College Level Science Course

#### Semester 2

Any 3 credit Social Sciences Course  
Choose 11 to 14 Elective Credit Courses

## Winter 2017

### Program Delivery

Semester 1 - Winter 2017

Semester 2 - Spring 2017/Fall 2017 (depending on course availability)

### Program of Study

Please note: Elective course choices depend on available space in classes, timetable constraints, and prerequisite courses.

#### Semester 1

SSC 1002 Thinking, Reasoning, Relating  
Any College Level Writing-Based English Course  
Any 3 or 4 Credit College Level Mathematics Course  
Choose 5 to 7 Elective Credit Courses  
Any one of the following:  
Any College Level Compute Course  
Any 3 or 4 Credit College Level Science Course

#### Semester 2

Any 3 credit Social Sciences Course  
Choose 11 to 14 Elective Credit Courses

### Fees

#### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

#### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

### Books & Supplies

Depends on course selection.

### Contacts

Jennifer Tincombe

705-566-8101, ext 6999

[Learning.Centre@cambriancollege.ca](mailto:Learning.Centre@cambriancollege.ca)



# GENERAL ARTS/SCIENCE - ENGLISH FOR ACADEMIC PURPOSES (EAPP)

## Ontario College Certificate | 2 semesters | Barrydowne

Improve your English speaking, listening, reading, and writing skills to handle everyday interactions in an English-language environment and to upgrade your English skills to a level appropriate for academic studies.

This flexible learning program consists of four levels that combine classroom activities with academic workshops and off-campus excursions to immerse you in the English language and Canadian culture.

English skills are assessed at intake, and students are placed accordingly in the program. Typically, you are required to study for eight months to earn your certificate. If you have advanced English skills, you may be able to skip levels and complete your certificate in as little as four months. If you have very basic English skills, you may require foundational concepts and may take longer to complete all requirements.

During second semester, you are also able to connect to the broader College community through discipline-specific coursework from various programs of study and may earn up to two General Education course credits towards select College programs.

As a graduate, you may apply for entry into many regular programs at Cambrian College.

## Program Highlights

- Program length varies from two to 12 months
- Fast-track options and flexible start dates
- Small class sizes foster interaction with the instructor and classmates
- Pathway to college or university studies in Canada
- Practice your skills through personal tutoring, language lab, conversation circles, and field trips/social outings
- Advanced students may enrol in a postsecondary course as part of this program
- Receive an official Ministry of Training, Colleges and Universities certificate from Cambrian College upon completion

## Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

General Studies (<http://cambriancollege.ca/field-of-study/general-studies>)

## Admissions

### Admission Requirements

Ontario Secondary School Diploma (OSSD) or equivalent from home country. Applicants with an OSSD showing senior English and/or mathematics courses at the Basic Level, or with Workplace or Open courses, will be tested to determine their eligibility for admission, OR

- Academic and Career Entrance (ACE) certificate, OR

- General Educational Development (GED) certificate, OR
- Mature student status (19 years of age or older and without a high school diploma at the start of the program). Eligibility may be determined by academic achievement testing.

## Additional Information

### International Applicants

Students are encouraged to contact Cambrian International to apply for General Arts and Science - English for Academic Purposes (EAP). For more information, applicants are encouraged to call (705) 566-8101, extension 6236, or email [international@cambriancollege.ca](mailto:international@cambriancollege.ca)

### Canadian Residents

To apply for General Arts and Science - English for Academic Purposes (EAP), please apply online at [www.ontariocolleges.ca](http://www.ontariocolleges.ca). For more information, please contact the Enrolment Centre by calling (705) 566-8101, extension 6236, or by emailing [enrolmentcentre@cambriancollege.ca](mailto:enrolmentcentre@cambriancollege.ca).

## APPLY NOW! (<http://ontariocolleges.ca/apply>) Spring 2016

### Program Delivery

Semester 1 - Spring 2016

Semester 2 - Fall 2016

This program starts in May and in late June.

### Program of Study

Students may be assessed with advanced standing and start at a higher level.

Semester 1		Credits
ESL 1106	ESL Level 1	12
ESL 1111	ESL Level 2	13
Term Credits:		25
Semester 2		Credits
ESL 1206	ESL Level 3	12
ESL 1211	ESL Level 4	13
Term Credits:		25
Total Credits:		50

## Fall 2016

### Program Delivery

Semester 1 - Fall 2016

Semester 2 - Winter 2017

This program starts in September and in late October.

### Program of Study

Students may be assessed with advanced standing and start at a higher level.

Semester 1		Credits
ESL 1106	ESL Level 1	12

ESL 1111	ESL Level 2	13
Term Credits:		25
<b>Semester 2</b>		
ESL 1206	ESL Level 3	12
ESL 1211	ESL Level 4	13
Term Credits:		25
Total Credits:		50

## Winter 2017

### Program Delivery

Semester 1 - Winter 2017  
Semester 2 - Spring 2017

This program starts in January and in late February.

### Program of Study

Students may be assessed with advanced standing and start at a higher level.

<b>Semester 1</b>		<b>Credits</b>
ESL 1106	ESL Level 1	12
ESL 1111	ESL Level 2	13
Term Credits:		25
<b>Semester 2</b>		
ESL 1206	ESL Level 3	12
ESL 1211	ESL Level 4	13
Term Credits:		25
Total Credits:		50

## Spring 2017

### Program Delivery

Semester 1 - Spring 2017  
Semester 2 - Fall 2017

This program is offered in May and in late June.

### Program of Study

Students may be assessed with advanced standing and start at a higher level.

<b>Semester 1</b>		<b>Credits</b>
ESL 1106	ESL Level 1	12
ESL 1111	ESL Level 2	13
Term Credits:		25
<b>Semester 2</b>		
ESL 1206	ESL Level 3	12
ESL 1211	ESL Level 4	13
Term Credits:		25
Total Credits:		50

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$11,257.20 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

### Books & Supplies

The estimated cost of books and supplies for the 2015-2016 is approximately \$400 to \$500. This is the best information available at the time of publishing is subject to change.

## Graduate Options

### Employment Opportunities

Graduates of the General Arts and Science - English for Academic Purposes program are able to communicate effectively in Canadian educational and workplace environments, leading to various academic and employment opportunities.

## Contacts

**Neil Shyminsky**  
Program Coordinator  
705-566-8101, ext 6212  
neil.shyminsky@cambriancollege.ca

# GRAPHIC DESIGN (PAGD)

## Ontario College Advanced Diploma | 6 semesters | Barrydowne

Cambrian's award-winning Graphic Design faculty will challenge you through course work and diverse projects to help you develop your creative talents and become an excellent visual communicator.

Using current industry software in the College's graphic design labs, you will learn how to creatively manipulate space, type, images, and colour to take your work from concept sketch to a strategically-designed printed, web-based, or electronic form. Projects provide you with practical experience in advertising campaigns, corporate branding, font design, website design, and much more.

You'll also graduate with a professional-grade portfolio that will be invaluable as you meet with potential employers and/or freelance clients.

Check out the 2015 graduate exhibition, Dissolve (<http://ccgraphicdesign.ca/dissolve>), to see what you'll get up to as a student in Cambrian's Graphic Design program.

### Program Highlights

- 3 years – 6 semesters
- 5-week placement in third semester
- Strong focus on website development so you can create websites using HTML 5, CSS3, and Javascript
- Ongoing opportunities to showcase work in Cambrian's Open Studio art gallery, a 1,200-square-foot gallery space located in downtown Sudbury
- Opportunity to attend the DesignThinkers Conference in Toronto to hear industry professionals speak on topics related to the design field
- Students are automatically registered as members of the Registered Graphic Designers of Ontario (RGD Ontario) and can participate in professional seminars, studio tours, and events organized by the association's Sudbury chapter
- Access to a variety of classrooms and labs along with the latest technology and software, including:
  - Multiple iMac studios featuring the latest generation of 27" iMac computers, running Mac OSX and Adobe Creative Cloud
  - Full art and painting studio with natural skylights
  - Professional photo studio with boom lighting
  - Complete printmaking shop with etching, lithography, and silk screening presses

### 4D Learning Opportunities

- Open Studio Art Gallery – You'll showcase your artwork in Cambrian's Open Studio gallery (<http://www.cambriancollege.ca/newsevents/lists/news%20features%20%20media%20releases/display.aspx?list=50addb35-da99-4807-8549-138769f0fd0d&id=980>) in downtown Sudbury – a place where you'll also connect with the local creative community.
- DesignThinkers conference – Join your classmates on a trip to Toronto to attend the RGD Ontario Designer Thinkers conference (please note: students are responsible for covering costs of accommodation).
- Sustainability initiatives – You'll have the opportunity to participate in various environmental activities that support the program's

dedication to sustainable design education, such as the annual tree planting excursion that to date added over 10,000 trees to Sudbury to help offset the carbon footprint of the program.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Creative Arts, Music and Design (<http://cambriancollege.ca/field-of-study/creative-arts-music-design>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

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

Recommended:

- Credits in Visual Arts and/or Media Arts
- Computer competency in relevant software

### Additional Requirements

Applicants are required to submit a portfolio, in hardcopy or digital format, for review. The portfolio should contain five creative and artistic works that showcase the applicant's creative, artistic, and technical abilities. Pieces to be considered can be from the following disciplines: drawings (still-life, figure, landscape, technical, or interior), paintings (in colour), photographs (colour or black and white), sculptures, ceramics or three-dimensional work, computer-generated work (design, typography, animation, etc.), or web-based work. Where no portfolio exists, applicants are required to contact the Program Coordinator.

### Additional Information

Additional expenses for digital photographic equipment, field trips, and portable digital storage should be anticipated. Students in the Graphic Design program are also student members of the Registered Graphic Designers of Ontario (RGD Ontario), and graduates are eligible for Provisional R.G.D. status upon graduation.

### APPLY NOW! (<http://ontariocolleges.ca/apply>)

#### Fall 2016

#### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018  
Semester 5 - Fall 2018  
Semester 6 - Winter 2019

### Program of Study

Semester 1		Credits
ART 1022	Digital Design I	3
ART 1106	Design Foundations I	4
ART 1230	Intro Graphic Design	3
ART 2356	Graphic Design Photography I	3
HST 1106	Art History I	3

The following General Education course:		3
SSC 1000	Media and Current Events	3
<hr/>		
<b>Semester 2</b>		
ART 1240	Design Foundations II	4
ART 1246	Copywriting I	3
ART 2346	Typography	3
ART 2351	Digital Design II	3
ART 2456	Graphic Design Photography II	3
HST 1121	History of Graphic Design	2
Select one of the following General Education courses:		3
PSY 1125	Positive Psychology	3
SOC 1010	Cross-Cultural Understanding	3
<hr/>		
	Term Credits:	21
<b>Semester 3</b>		
ADV 1100	Advertising Fundamentals	2
ART 1345	Copywriting II	2
ART 2305	Illustration I	3
ART 2310	Graphic Production Fundamentals I	3
ART 2360	Website Design I	3
ART 2375	Typography II	3
ART 2496	Digital Design III	3
Select one of the following Elective courses:		3
ART 2325	Painting I	3
ART 2330	Printmaking I	3
<hr/>		
	Term Credits:	22
<b>Semester 4</b>		
ADV 2000	Advertising II	2
ART 2415	Production Fundamentals II	3
ART 2416	Illustration II	3
ART 2450	Graphic Design - Print Media	3
ART 2461	Website Design II	3
ART 3518	Sustainable Design	3
Select one of the following Elective courses:		3
ART 2426	Painting II	3
ART 2431	Printmaking II	3
<hr/>		
	Term Credits:	20
<b>Semester 5</b>		
ART 3515	Corporate Identity	5
ART 3556	Graphic Design: Photography III	2
ART 3566	Advanced Design Applications	4
ART 3570	Professional Practices	2
ART 3585	Website Design III	2
ART 3595	Work Placement	5
<hr/>		
	Term Credits:	20
<b>Semester 6</b>		
ART 3611	Portfolio Preparation	5
ART 3685	Website Design IV	5
ART 3690	Creative Thesis Project	4

ART 3695	Typographic Design	4
Select one of the following General Education courses:		3
ENV 2416	Environmental Sustainability	3
PSY 1050	Introduction To Psychology I	3
<hr/>		
	Term Credits:	21
<hr/>		
	Total Credits:	123

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$4,020.48. Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,979.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$2,200 for first year. This is the best information available at the time of publishing to the website and is subject to change.

## Graduate Options

### Employment Opportunities

Graduates may find employment in both the public and private sectors. These include:

- Design studios
- Advertising agencies
- Web and new media developers
- Architectural firms
- Educational institutions
- Government agencies
- Publishing companies
- Broadcasting
- Newspaper and magazine publishing
- Commercial printing industry

## University Degree Opportunities

Graduates from this program may continue their studies at university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://cambriancollege.ca/agreements>) for further information.

## Contacts

**Ron Beltrame**  
 Program Coordinator  
 705-566-8101, ext 7598  
[ron.beltrame@cambriancollege.ca](mailto:ron.beltrame@cambriancollege.ca)

# HEATING, VENTILATION & AIR CONDITIONING TECHNICIAN (HVTN)

## Ontario College Diploma | 4 semesters | Barrydowne | Capped

With Cambrian's TSSA-endorsed program, you'll be prepared to write the Gas Technician 2 and Oil Burner Technician 2 certification exams administered by the Technical Standards and Safety Authority (TSSA). After gaining a solid understanding of heating, refrigeration, oil-fired systems, and gas systems, you'll learn the air conditioning and refrigeration principles that relate to the layout, installation, and service of residential and light commercial heating and cooling applications.

### Program Highlights

- 2 years – 4 semesters
- Program endorsed by the Technical Standards and Safety Authority (TSSA)
- One of only 2 colleges in Ontario to offer oil burner training
- Hands-on training in the College's HVAC shop
- Prepares you for the Gas Technician 2 and Oil Burner Technician 2 TSSA certification exams
- After first year, you can become certified to work as soon as you successfully write the:
  - Gas Technician Level 3 TSSA licence exam
  - Oil Burner Technician Level 3 TSSA licence exam

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Skills and Trades Training (<http://cambriancollege.ca/field-of-study/skills-and-trades-training>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): 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)

## APPLY NOW! (<http://ontariocolleges.ca/apply>) Fall 2016

### Program of Study

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018

### Program of Study

Semester 1		Credits
GAF 1100	Gas Technician III	12

HVA 1100	Basic Sheet Metal	2
RAC 1100	Refrigeration I	4
The following General Education course:		3
BUS 1008	Personal Finance	3
	Term Credits:	21
<b>Semester 2</b>		
GAF 1200	Gas Technician II (Part I)	6
ENG 1002	College Communication	3
OBU 1201	Oil Burner Technician III	8
RAC 1200	Refrigeration II	4
	Term Credits:	21
<b>Semester 3</b>		
ENG 1780	Applied Communication II	2
GAF 2300	Gas Technician II (Part II)	8
HLG 2300	Heat Loss/Heat Gain	4
OBU 2300	Oil Burner Technician II	6
One of the following General Education courses:		3
BUS 1015	Negotiation Labour Relations	3
CET 1003	Cybernation	3
MUS 1009	Rock Music, Culture Technology	3
PSY 1001	Psychology of Evil	3
SCI 1000	Issues and Ethics in Science	3
	Term Credits:	23
<b>Semester 4</b>		
GAF 2402	Gas Technician II (Part III)	12
HVA 2400	Air Conditioning Heat Pumps	4
HVA 2430	Advanced Hydronics	2
One of the following General Education courses:		3
BUS 1015	Negotiation Labour Relations	3
CET 1003	Cybernation	3
MUS 1009	Rock Music, Culture Technology	3
PSY 1001	Psychology of Evil	3
SCI 1000	Issues and Ethics in Science	3
	Term Credits:	21
	Total Credits:	86

### Fees

#### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

#### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

### Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$1,000. This is the best information available at the time of publishing to the website and is subject to change.

## **Graduate Options**

### **Employment Opportunities**

Graduates may find employment as heating technicians in the natural gas, propane, and oil burner fields or an apprentice within the refrigeration or plumbing and heating industry. Graduates may also be employed as sales or maintenance personnel in commercial, institutional, and industrial areas.

### **Contacts**

**Darryl Squires**

Program Coordinator

705-566-8101, ext 7829

[darryl.squires@cambriancollege.ca](mailto:darryl.squires@cambriancollege.ca)

# HEATING, VENTILATION & AIR CONDITIONING TECHNIQUES (HVTQ)

## Ontario College Certificate | 2 semesters | Barrydowne | Capped Enrolment

With Cambrian's TSSA-endorsed and registered program, you'll be prepared to write Level 3 TSSA license exams to become a certified journeyman so you can start working in the HVAC industry as soon as you graduate.

Courses focus on the layout, installation, and service of residential hydronic and forced warm air systems; the refrigeration cycle and the components of these systems; the installation and service of oil fired systems; and the safe handling and installation of propane and natural gas systems.

### Program Highlights

- 1 years – 2 semesters
- Program endorsed by the Technical Standards and Safety Authority (TSSA)
- One of only 2 colleges in Ontario to offer oil burner training
- Hands-on training in the College's HVAC shop
- Prepares you to write the Gas Technician 3 and Oil Burner Technician 3 TSSA certification exams so you can start working as soon as you graduate

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Skills and Trades Training (<http://cambriancollege.ca/field-of-study/skills-and-trades-training>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): 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)

## APPLY NOW! (<http://ontariocolleges.ca/apply>) Fall 2016

### Program Delivery

Semester 1 - Fall 2016

Semester 2 - Winter 2017

### Course Descriptions

Semester 1		Credits
GAF 1100	Gas Technician III	12
HVA 1100	Basic Sheet Metal	2
RAC 1100	Refrigeration I	4

The following General Education course:		3
BUS 1008	Personal Finance	3
Term Credits:		21
<b>Semester 2</b>		
GAF 1200	Gas Technician II (Part I)	6
ENG 1002	College Communication	3
OBU 1201	Oil Burner Technician III	8
RAC 1200	Refrigeration II	4
Term Credits:		21
Total Credits:		42

### Fees

#### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

#### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

### Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$2,500. This is the best information available at the time of publishing to the website and is subject to change.

### Graduate Options

#### Furthering Your Studies

Students who successfully complete the Heating, Ventilation, and Air Conditioning Techniques program and who receive their G3 TSSA licence may enter directly into semester 3 of the Heating, Ventilation, and Air Conditioning Technician program.

### Employment Opportunities

Graduates may find employment as:

- Gas equipment installers
- Oil burner cleaners
- Entry level apprentice in plumbing, pipefitting, electrical, sheet metal, or refrigeration

### Contacts

**Darryl Squires**

Program Coordinator

705-566-8101, ext 7829

[darryl.squires@cambriancollege.ca](mailto:darryl.squires@cambriancollege.ca)



# HEAVY EQUIPMENT TECHNICIAN (HDTN)

## Ontario College Diploma | 4 semesters | Barrydowne | Capped Enrolment

It's no secret that Cambrian's Heavy Equipment Technician program is among the best – our students compete and win each year at the Ontario Technological Skills Competition. Become part of our program to get access to our experienced faculty and extensive shop training that will put you ahead of the pack.

After learning the basic fundamentals of diesel engines, power trains, electrical systems, hydraulic systems, and brake systems in first year, you will be introduced to diesel engine construction and classification, power trains, traction controls and wheel final drives, electrical and electronics, and air conditioning. Courses will also include an emphasis on shop safety, basic hand and power tools, fasteners, measuring instruments, starting aid, and starting methods used in the trade.

### Program Highlights

- 2 years – 4 semesters
- Co-op Diploma Apprenticeship option
- Students consistently medal at the annual Ontario Technological Skills Competition
- Work on scoop trams and other types of equipment in our heavy equipment shop
- Develop the ability to work service and maintain the various systems and components of heavy equipment

### 4D Learning Opportunities

Ontario Technological Skills Competition – Each year, select Cambrian Heavy Equipment students compete in this provincial competition against other college students and apprentices.

### Co-op Diploma Apprenticeship Program Option

The Co-op Diploma Apprenticeship program combines a college diploma program and apprenticeship training leading to a Certificate of Qualification. The program enables individuals to train as apprenticeship participants, completing all in-school learning outcomes (trade school). In addition, participants have the option to pursue a co-op with an employer. Individuals who want to register for the Co-op Diploma Apprenticeship program must meet all eligibility criteria for both the college diploma program as well as apprenticeship training. For further information, please contact the Coordinators, Cooperative Placements at 705-566-8101, ext 7564 or 7707.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Skills and Trades Training (<http://cambriancollege.ca/field-of-study/skills-and-trades-training>)

## Admissions

### Admission Requirements

For graduates of the new curriculum (OSS): 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)

## APPLY NOW! (<http://ontariocolleges.ca/apply>) Fall 2016

### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018

### Program of Study

Semester 1		Credits
ELC 1120	Electrical Electronics I	4
HDM 1140	Diesel Engines I	2
HDM 1150	Diesel Engines II	3
HDM 1161	Trade Practices Applications I	5
TCA 1100	Trade Math I	2
WLD 1105	Welding and Oxyacetylene	2
The following General Education course:		3
BUS 1008	Personal Finance	3
Term Credits:		21
Semester 2		
ENG 1002	College Communication	3
HDM 1230	Fuels Systems	4
HDM 1221	Hydraulics	4
PWT 1100	Power Train I	3
PWT 1200	Power Train Systems II	3
SSB 1100	Suspen/Steer/Brake Sys I Pneumatics	4
Term Credits:		21
Semester 3		
ELC 2300	Electrical Electronics II	4
ENG 1780	Applied Communication II	2
HDM 2320	Diesel Engines III	2
HDM 2341	Heavy Duty Brakes	6
HDM 2401	Diesel Engines Systems IV	3
HYS 2300	Hydraulic Systems I	3
One of the following General Education courses:		3
BUS 1015	Negotiation Labour Relations	3
CET 1003	Cybernation	3
MUS 1009	Rock Music, Culture Technology	3
PSY 1001	Psychology of Evil	3
SCI 1000	Issues and Ethics in Science	3
Term Credits:		23

**Semester 4**

DFS 2300	Diesel Fuel Injection Systems I	2
DFS 2400	Diesel Fuel Injection Systems II	3
ELC 2400	Electrical Electronics III	5
HYS 2400	Hydraulic Systems II	3
PWT 2300	Power Trains Systems III	3
PWT 2400	Power Trains Systems IV	4
One of the following General Education courses:		3
BUS 1015	Negotiation Labour Relations	3
CET 1003	Cybernation	3
MUS 1009	Rock Music, Culture Technology	3
PSY 1001	Psychology of Evil	3
SCI 1000	Issues and Ethics in Science	3
<hr/>		
Term Credits:		23
<hr/>		
Total Credits:		88

**Fees****Tuition Fee (Canadian Students)**

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

**Tuition Fee (International Students)**

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

**Books & Supplies**

The estimated cost of books and supplies for 2015-2016 is approximately \$500. This is the best information available at the time of publishing to the website and is subject to change.

**Graduate Options****Employment Opportunities**

Graduates may find employment as apprentices in the forestry, mining, and construction industries as well as heavy equipment manufacturing or in truck shops.

**University Degree Opportunities**

Graduates from this program may continue their studies at university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

**Contacts****Robert Huzij**

Program Coordinator

705-566-8101, ext 6437

robert.huzij@cambriancollege.ca

# HEAVY EQUIPMENT TECHNIQUES (HDTQ)

## Ontario College Certificate | 2 semesters | Barrydowne | Capped Enrolment

It's no secret that Cambrian's Heavy Equipment program is among the best – our students compete and win each year at the Ontario Technological Skills Competition. Become part of our program to get access to our experienced faculty and extensive shop training that will put you ahead of the pack.

You will learn the basic fundamentals of diesel engines, power trains, electrical systems, hydraulic systems, and brake systems. Choose the Co-op Diploma Program option to get additional real-world experience.

Please note: The official Ministry name for this program is Motive Power Techniques - Heavy Equipment, and this is the name that will appear on your certificate.

### Program Highlights

- 1 year – 2 semesters
- Co-op Diploma Apprenticeship option
- Students consistently medal at the annual Ontario Technological Skills Competition
- Work on scoop trams and other types of equipment in our heavy equipment shop

### 4D Learning Opportunities

Ontario Technological Skills Competition – Each year, select Cambrian Heavy Equipment students compete in this provincial competition against other college students and apprentices.

### Co-op Diploma Apprenticeship Program Option

The placement for this program is an optional co-op and is not required for you to graduate from your regular postsecondary program. You can choose to complete your postsecondary program, and you can graduate with a diploma without participating in the co-op option. However, if you choose, and qualify, to participate in this optional Co-op Diploma Apprenticeship/SkyTech program, you will become a registered apprentice sponsored by SkyTech. Through your participation in this program, you will have the opportunity to participate in two paid co-op placements while earning a college diploma. The combination of your academic curriculum and the experience from the co-op placements enables you to receive completion from the Ministry of Training, Colleges and Universities for the first, second, and third levels of in-school apprenticeship training.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Skills and Trades Training (<http://cambriancollege.ca/field-of-study/skills-and-trades-training>)

## Admissions

### Admission Requirements

For graduates of the new curriculum (OSS): 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)

## APPLY NOW! (<http://ontariocolleges.ca/apply>) Fall 2016

### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017

### Program of Study

Semester 1		Credits
ELC 1120	Electrical Electronics I	4
HDM 1140	Diesel Engines I	2
HDM 1150	Diesel Engines II	3
HDM 1161	Trade Practices Applications I	5
TCA 1100	Trade Math I	2
WLD 1105	Welding and Oxyacetylene	2
The following General Education course:		3
BUS 1008	Personal Finance	3
Term Credits:		21
Semester 2		
HDM 1230	Fuels Systems	4
ENG 1002	College Communication	3
HDM 1221	Hydraulics	4
PWT 1100	Power Train I	3
PWT 1200	Power Train Systems II	3
SSB 1100	Suspen/Steer/Brake Sys I Pneumatics	4
Term Credits:		21
Total Credits:		42

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$3,100. This is the best information available at the time of publishing to the website and is subject to change.

## **Graduate Options**

### **Furthering Your Studies**

Students who successfully complete the Heavy Equipment Techniques program have the option of continuing into the Heavy Equipment Technician program or into the Truck and Coach Technician program.

### **Employment Opportunities**

Graduates may find employment in the heavy duty equipment industry as:

- An apprentice mechanic
- Parts salesperson

### **Contacts**

**Robert Huzij**

Program Coordinator

705-566-8101, ext 6437

robert.huzij@cambriancollege.ca

# HUMAN RESOURCES MANAGEMENT - GRADUATE CERTIFICATE (HMPD)

## Ontario College Graduate Certificate | 3 semesters | Barrydowne

Human resources professionals know all too well that a company is only as good as the people it employs. Get the skills and experience to become a Certified Human Resources Professional (CHRP) by exploring recruiting opportunities, challenges, and strategies; organizational management; labour relations, and more.

The curriculum is designed to boost your existing qualifications and to support you if you intend to pursue your Certified Human Resources Professional (CHRP) designation. The nine core courses required to access the National Knowledge Exam (NKE) are approved by the Ontario Human Resources Professionals Association. Additional courses include mediation, practitioner seminars, and an eight-week placement in a professional human resources environment. Information on the Human Resources Professionals Association and the CHRP designation is available by visiting [www.hrpa.ca](http://www.hrpa.ca). (<http://www.hrpa.ca>)

### Program Highlights

- 1 year – 3 semesters
- 8-week placement
- Includes the nine approved courses required to access the National Knowledge Exam (NKE) to become a Certified Human Resources Professional (CHRP)

### Fieldwork/Placement

Semester three will be an eight-week, unpaid work placement.

### CHRP Designation

The Human Resources Professionals Association (HRPA) regulates the human resources profession in Ontario and issues the Certified Human Resources Professional (CHRP) designation. Completion of HRPA's certification process confers the right to use the title Certified Human Resources Professional and the right to use the initials C.H.R.P. or CHRP after one's name (excerpt from HRPA's website). It is the responsibility of the graduate to pursue certification. Information on the Human Resources Professionals Association and the CHRP designation is available by visiting [www.hrpa.ca](http://www.hrpa.ca). (<http://www.hrpa.ca>)

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Business and Information Technology (<http://cambriancollege.ca/field-of-study/business-and-information-technology>)

### Admissions

#### Admission Requirements

Graduate of a recognized two- or three-year postsecondary program.

Recommended:

- computer competency in relevant software

- some familiarity with basic accounting principles

## APPLY NOW! (<http://ontariocolleges.ca/apply>) Fall 2016

### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Spring 2017

### Program of Study

Semester 1		Credits
HRP 7101	Applied Mediation Skills - ADR	4
HRP 7106	Organizational Behaviour	4
HRP 7110	Human Resources Management	3
HRP 7120	Occupational Health And Safety	4
HRP 7211	Staffing	4
HRP 7130	Applied HR Practices I	2
Term Credits:		21
Semester 2		Credits
ACC 7300	Managerial Accounting	4
HRP 7115	Training and Development	4
HRP 7205	Compensation Management	4
HRP 7210	Human Resource Planning	4
HRP 7215	Labour Relations	4
HRP 7230	Applied HR Practices II	2
Term Credits:		22
Semester 3		Credits
HRP 7301	Field Placement	7
Term Credits:		7
Total Credits:		50

## Winter 2017

### Program Delivery

Students in the Winter 2017 version will commence their studies in semester 2 of the program.

Semester 2 - Winter 2017  
Semester 1 - Fall 2017  
Semester 3 - Winter 2018

### Program of Study

Semester 1		Credits
HRP 7101	Applied Mediation Skills - ADR	4
HRP 7106	Organizational Behaviour	4
HRP 7110	Human Resources Management	3
HRP 7120	Occupational Health And Safety	4
HRP 7211	Staffing	4
HRP 7130	Applied HR Practices I	2
Term Credits:		21
Semester 2		Credits
ACC 7300	Managerial Accounting	4
HRP 7115	Training and Development	4

HRP 7205	Compensation Management	4
HRP 7210	Human Resource Planning	4
HRP 7215	Labour Relations	4
HRP 7230	Applied HR Practices II	2
<hr/>		
	Term Credits:	22
<b>Semester 3</b>		
HRP 7301	Field Placement	7
<hr/>		
	Term Credits:	7
<hr/>		
	Total Credits:	50

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$6,786.10 for three semesters. Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$16,770.75 for three semesters of study. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$1,400. This is the best information available at the time of publishing to the website and is subject to change.

## Graduate Options

### Employment Opportunities

Specialists in human resources may work in medium- to large- sized organizations that have formal human resources departments. Some specific positions include:

- Recruiter
- Staff trainer
- Human resource coordinator
- Compensation analyst
- Employee relations officer
- Payroll administrator
- Health and safety coordinator
- Job analyst

## Contacts

### Robert Dabous

Program Coordinator

705-566-8101, ext 7245

robert.dabous@cambriancollege.ca

# I.T. BUSINESS ANALYSIS (BAGC)

## Ontario College Graduate Certificate | 3 semesters | Barrydowne

Enhance your IT and business analysis skills, and be prepared to take advantage of career opportunities.

This intensive program is designed to meet industry demand for IT business analysts and will give you the skills and techniques to create and manage organizational process change. You will gain a solid understanding of how to gather, document, and communicate stakeholder requirements and how to recommend solutions, evaluate solutions, and provide quality assurance.

You will select courses from either the business stream or the IT stream, based on your background and specific training needs, and complete an eight-week placement in the third semester.

### Program Highlights

- 1 years – 3 semesters
- 8-week placement
- Take courses in-class and/or online
- Choose from 2 streams to develop specialized skills in IT or business

### Fieldwork/Placement

An unpaid 8-week field placement in the third semester is part of the program of study.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Business and Information Technology (<http://cambriancollege.ca/field-of-study/business-and-information-technology>)

### Admissions

#### Admission Requirements

Graduate of a recognized two- or three-year postsecondary program. Applicants working in related industries without a diploma or degree may be considered on an individual basis.

**APPLY NOW!** (<http://ontariocolleges.ca/apply>)

### Fall 2016

#### Program Delivery

Semester 1 - Fall 2016

Semester 2 - Winter 2017

Semester 3 - Spring 2017

### Program of Study

Semester 1		Credits
BTA 1002	Foundations of B.A.	4
BUS 1081	Proposal Writing	3
BTA 1003	Requirements Elicitation	4
BTA 1007	I.T. Project Management	4
One of the following groups of Elective courses:		7

HRP 7106 & BUS 2302	Organizational Behaviour and Quantitative Management Methods I	4
CMP 1117 & CMP 1121	Introduction to Programming and Data and Information Mgmt	4
	Term Credits:	22
<b>Semester 2</b>		
BTA 1004	Business Process Mapping	4
BTA 1005	Data Mining/Business Intel	3
BTA 1008	Finance for I.T. Decision Make	3
SYS 1002	IS Management Acquisition	4
SYS 1003	Enterprise Architecture	3
SYS 1004	Enterprise Systems	3
	Term Credits:	20
<b>Semester 3</b>		
BTA 1009	Work Placement	7
	Term Credits:	7
	Total Credits:	49

### Fees

#### Tuition Fee (Canadian Students)

The tuition for the 2015-2016 academic year is \$6,510.84 for three semesters of study. Next year's tuition fees will be available by May 1, 2016.

#### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$16,770.75 for three semesters of study. Some exceptions apply. Next year's tuition fees will be available by May 1, 2016.

### Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$1000. This is the best information available at the time of publishing to the website and is subject to change.

### Graduate Options

#### Employment Opportunities

Graduates will find employment in private and not-for-profit organizations and government departments as business analysts. Entrepreneurs can become consultants for organizations.

### Contacts

**Brian Lobban**

Program Coordinator

705-566-8101, ext 7863

[brian.lobban@cambriancollege.ca](mailto:brian.lobban@cambriancollege.ca)



# INDEPENDENT MUSIC PRODUCTION (MPCP)

## Ontario College Certificate | 2 semesters | Barrydowne

This program is the perfect stepping stone if you are interested in further studies in audio recording and music production or if you wish to pursue independent music recording and composition as a career.

You will learn the foundations of music recording, editing, and performance, along with the communications and creative skills necessary to begin navigating the many facets of the music industry. Program activities include a hands-on approach to small-scale, computer-based recording and editing, an overview of the roots of popular music and current trends in the music recording industry, and an examination of the business skills needed to successfully promote one's self in the industry.

You will have the opportunity to work in labs with recording industry professionals. In addition, you will work with Cambrian's world-class music faculty in a one-one-one lesson environment to ensure your musical capabilities progress in step with your technical knowledge.

### Program Highlights

- 1 year – 2 semesters
- Gain a solid foundation in all aspects of music production
- Continue to develop your musical capabilities alongside your technical knowledge

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Creative Arts, Music and Design (<http://cambriancollege.ca/field-of-study/creative-arts-music-design>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including: Demonstrated basic proficiency on an instrument from the following areas:

- Voice
- Orchestral strings
- Winds or brass
- Orchestral percussion
- Drum kit
- Piano/keyboard
- Acoustic or electric guitar

**APPLY NOW!** (<http://ontariocolleges.ca/apply>)  
**Fall 2016**

#### Program Delivery

Semester 1 - Fall 2016

Semester 2 - Winter 2017

### Course Descriptions

Semester 1		Credits
ENG 1002	College Communication	3
MUS 1000	Ensemble I (Large)	2
MUS 1009	Rock Music, Culture Technology	3
MUS 1011	Introduction to MIDI Technology I	2
MUS 1012	Introduction to Recording I	2
MUS 1200	Theory I	5
MUS 3003	The Business Of Music I	3
Any 1 MINOR Subject		2
Term Credits:		22
Semester 2		Credits
MUS 1013	Introduction to MIDI Technology II	2
MUS 1014	Introduction to Recording II	2
MUS 1015	MPF Music Trends	2
MUS 1050	Ensemble II (Large)	2
MUS 1250	Theory II	5
MUS 3004	The Business Of Music II	3
Any 1 MINOR Subject		2
The following General Education course:		3
HST 1106	Art History I	3
Term Credits:		21
Total Credits:		43

### Fees

#### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

#### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Some exceptions apply. Next year's tuition fees will be available May 1, 2016.

### Books & Supplies

The estimated cost of books and supplies is unavailable at this time.

### Graduate Options

#### Employment Opportunities

Graduates may find employment as a composer or music producer.

### Contacts

**Jamie Arrowsmith**  
Program Coordinator  
705-566-8101, ext 7407  
[jamie.arrowsmith@cambriancollege.ca](mailto:jamie.arrowsmith@cambriancollege.ca)

# INDUSTRIAL MECHANICAL MILLWRIGHT TECHNICIAN (IMTN)

## Ontario College Diploma | 4 semesters | Barrydowne

Gain the skills to be an industrial jack-of-all-trades with the ability to diagnose, install, and maintain plant machinery in a systematic manner and with a high degree of efficiency.

In the College's millwright shop, you will gain hands-on experience working on industrial equipment as you learn to install, repair, and maintain complex industrial mechanical machinery in existing and new operations. In second year, you will build upon your electrical, mechanical, instrumentation, and computer-aided drafting skills while increasing your precision in troubleshooting and repairing industry equipment.

Take advantage of the Co-op Diploma Apprenticeship option, and you'll complete all in-school apprenticeship requirements by the time you graduate – making you job-ready for the many opportunities in every industry from aerospace to food manufacturing to mining.

### Program Highlights

- 2 years – 4 semesters
- Co-op Diploma Apprenticeship option
- Unique material handling loop gives you experience installing, troubleshooting, repairing, and maintaining industrial equipment typically found in the mining, refining, forestry, and manufacturing sectors
- Millwright shop includes alignment, machining, precision measuring, and pump stations

### 4D Learning Opportunities

- Ontario Technological Skills Competition – Each year, select Cambrian Millwright students compete in this provincial competition against other college students and apprentices.

### Co-op Diploma Apprenticeship Program Option

The Co-op Diploma Apprenticeship program combines a college diploma program and apprenticeship training leading to a Certificate of Qualification. The program enables individuals to train as apprenticeship participants, completing all in-school learning outcomes (trade school). In addition, participants have the option to pursue a co-op with an employer. Individuals who want to register for the Co-op Diploma Apprenticeship program must meet all eligibility criteria for both the college diploma program as well as apprenticeship training. For further information, please contact the Coordinators, Cooperative Placements at 705-566-8101, ext 7564 or 7707.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Skills and Trades Training (<http://cambriancollege.ca/field-of-study/skills-and-trades-training>)

## Admissions

### Admission Requirements

For graduates of the new curriculum (OSS): 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)

## APPLY NOW! (<http://ontariocolleges.ca/apply>) Fall 2016

### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018

### Program of Study

Semester 1		Credits
IMM 1116	Tools, Materials Fasteners	3
IMM 1151	Industrial Indoctrination Safety	1
IMM 1156	Technical Drawing Schematics	4
IMM 1160	Precision Measuring Equipment	2
IMM 1177	Millwright Machining I	3
IMM 2411	Rigging and Hoist	4
WLD 1100	Welding I	2
The following General Education course:		3
BUS 1015	Negotiation Labour Relations	3
Term Credits:		22
<b>Semester 2</b>		
ENG 1002	College Communication	3
IMM 1246	Bearing Seals Lubrication	5
IMM 1251	Power Transmission Systems	5
IMM 1265	Electric Electronic Controls I	2
IMM 1275	Millwright Machining II	2
IMM 2580	Technical Drawings Schematics II	2
WLD 1200	Welding II	2
Term Credits:		21
<b>Semester 3</b>		
ENG 1780	Applied Communication II	2
IMM 1255	Material Handling System	4
IMM 2440	Machine Installation	4
IMM 2450	Fluid Power I	2
IMM 2460	Electrical Electronic Controls II	2
IMM 2475	Millwright Machining III	2
WLD 2400	Welding III	2
One of the following General Education courses:		3
BUS 1015	Negotiation Labour Relations	3
CET 1003	Cybernation	3
MUS 1009	Rock Music, Culture Technology	3
PSY 1001	Psychology of Evil	3

SCI 1000	Issues and Ethics in Science	3
<hr/>		
	Term Credits:	21
<b>Semester 4</b>		
IMM 2446	Pumps, Valves Piping	5
IMM 2537	Proact. Prevent. Predictive Maint	2
IMM 2550	Set-up and Use Machine Tools IV	2
CAD 1100	Computer-Aided Drafting I	2
IMM 2556	Fluid Power II	3
IMM 2570	Industrial Automated Control	2
IMM 2575	Prime Movers and Machinery	2
WLD 2500	Welding Fabrication	2
One of the following General Education courses:		3
BUS 1015	Negotiation Labour Relations	3
CET 1003	Cybernation	3
MUS 1009	Rock Music, Culture Technology	3
PSY 1001	Psychology of Evil	3
SCI 1000	Issues and Ethics in Science	3
<hr/>		
	Term Credits:	23
<hr/>		
	Total Credits:	87

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$500. This is the best information available at the time of publishing to the website and is subject to change.

## Graduate Options

### Employment Opportunities

Graduates may find employment in:

- Hydro/nuclear installations
- Mining operations
- Manufacturing industry
- Steel industry
- Printing industry
- Pharmaceutical industry

## Contacts

### Tom DeLong

Program Coordinator

705-566-8101, ext 7543

tom.delong@cambriancollege.ca

# INDUSTRIAL MECHANICAL MILLWRIGHT TECHNIQUES (IMTQ)

## Ontario College Certificate | 2 semesters | Barrydowne | Capped Enrolment

Get the foundation to be an industrial jack-of-all-trades by building your electrical, mechanical, and instrumentation skills in our millwright shop working alongside our experienced faculty.

In the College's millwright shop, you will gain hands-on experience working on industrial equipment as you learn to install, repair, and maintain complex industrial mechanical machinery in existing and new operations.

You can also choose to start your apprenticeship while you earn your certificate.

### Program Highlights

- 1 year – 2 semesters
- Start in September or January
- Co-op Diploma Apprenticeship option
- Unique material handling loop gives you experience installing, troubleshooting, repairing, and maintaining industrial equipment typically found in the mining, refining, forestry, and manufacturing sectors
- Millwright shop includes alignment, machining, precision measuring, and pump stations

### 4D Learning Opportunities

- Ontario Technological Skills Competition – Each year, select Cambrian Millwright students compete in this provincial competition against other college students and apprentices.

### Co-op Diploma Apprenticeship Program Option

The placement for this program is an optional co-op and is not required for you to graduate from your regular postsecondary program. You can choose to complete your postsecondary program, and you can graduate with a diploma without participating in the co-op option. However, if you choose, and qualify, to participate in this optional Co-op Diploma Apprenticeship/SkyTech program, you will become a registered apprentice sponsored by SkyTech. Through your participation in this program, you will have the opportunity to participate in two paid co-op placements while earning a college diploma. The combination of your academic curriculum and the experience from the co-op placements enables you to receive completion from the Ministry of Training, Colleges and Universities for the first, second, and third levels of in-school apprenticeship training. For further information, visit [www.cambriancollege.ca/skytech](http://www.cambriancollege.ca/skytech) (<http://www.cambriancollege.ca/skytech>).

### Please Note

The official Ministry name for this program is Mechanical Techniques, and this is the name that will appear on your certificate.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Skills and Trades Training (<http://cambriancollege.ca/field-of-study/skills-and-trades-training>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): 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)

### APPLY NOW! (<http://ontariocolleges.ca/apply>) Fall 2016

#### Program Delivery

Semester 1 - Fall 2016

Semester 2 - Winter 2017

#### Program of Study

Semester 1		Credits
IMM 1116	Tools, Materials Fasteners	3
IMM 1151	Industrial Indoctrination Safety	1
IMM 1156	Technical Drawing Schematics	4
IMM 1160	Precision Measuring Equipment	2
IMM 1177	Millwright Machining I	3
IMM 2411	Rigging and Hoist	4
WLD 1100	Welding I	2
The following General Education course:		3
BUS 1015	Negotiation Labour Relations	3
Term Credits:		22
Semester 2		
ENG 1002	College Communication	3
IMM 1246	Bearing Seals Lubrication	5
IMM 1251	Power Transmission Systems	5
IMM 1265	Electric Electronic Controls I	2
IMM 1275	Millwright Machining II	2
IMM 2580	Technical Drawings Schematics II	2
WLD 1200	Welding II	2
Term Credits:		21
Total Credits:		43

### Winter 2017

#### Program Delivery

Semester 1 - Winter 2017

Semester 2 - Spring 2017

#### Program of Study

Semester 1		Credits
IMM 1116	Tools, Materials Fasteners	3

IMM 1151	Industrial Indoctrination Safety	1	Program Coordinator
IMM 1156	Technical Drawing Schematics	4	705-566-8101, ext 7543
IMM 1160	Precision Measuring Equipment	2	thomas.delong@cambriancollege.ca
IMM 1177	Millwright Machining I	3	
IMM 2411	Rigging and Hoist	4	
WLD 1100	Welding I	2	
The following General Education course:		3	
BUS 1015	Negotiation Labour Relations	3	
		<hr/>	
		Term Credits:	22
<b>Semester 2</b>			
ENG 1002	College Communication	3	
IMM 1246	Bearing Seals Lubrication	5	
IMM 1251	Power Transmission Systems	5	
IMM 1265	Electric Electronic Controls I	2	
IMM 1275	Millwright Machining II	2	
IMM 2580	Technical Drawings Schematics II	2	
WLD 1200	Welding II	2	
		<hr/>	
		Term Credits:	21
		<hr/>	
		Total Credits:	43

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$4,332.00. Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$2,100. This is the best information available at the time of publishing to the website and is subject to change.

## Graduate Options

### Furthering your Studies

Students successfully completing the Industrial Mechanical Millwright Techniques program may enter directly into the Industrial Mechanical Millwright Technician program.

## Employment Opportunities

Graduates may find employment in:

- Hydro/nuclear installations
- Mining operations
- Manufacturing industry
- Steel industry
- Printing industry
- Pharmaceutical industry

## Contacts

Tom DeLong

# INTERNATIONAL BUSINESS MANAGEMENT (IBGC)

## Ontario College Graduate Certificate | 3 semesters | Barrydowne

If you're interested in pursuing a career in global business management, this intensive program will enable you to explore key areas of global management, including global marketing, finance, and supply chains. You will develop the core skills required to effectively manage the aspects of global business activities for an organization and gain hands-on experience during a placement in third semester.

As a graduate, you may pursue additional certification towards a Forum for International Trade Training (FITT) designation as a Certified International Trade Professional (CITP).

### Program Highlights

- 1 year – 3 semesters
- 8-week placement gives you practical experience
- Helps position you for international career opportunities within in public and private organizations
- Courses cover all key areas of global management

### Fieldwork/Placement

Semester three will be an eight-week, unpaid work placement.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Business and Information Technology (<http://cambriancollege.ca/field-of-study/business-and-information-technology>)

### Admissions

#### Admission Requirements

Graduate of a recognized two- or three-year postsecondary program. Applicants working in related industries without a diploma or degree may be considered on an individual basis.

**APPLY NOW!** (<http://ontariocolleges.ca/apply>)

### Fall 2016

#### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Spring 2017

#### Program of Study

Semester 1		Credits
ACC 1018	International Finance	3
BUS 1067	Introduction to Global Business	4
BUS 1132	International E-Commerce	3
HRI 1002	Global Human Resources Management	4
LAW 1005	International Law	3

MKT 1014	Global Marketing Management	4
Term Credits:		21
<b>Semester 2</b>		
BUS 1069	International Trade Management	4
BUS 1050	Global Distribution Channel	4
BUS 1072	Trade Research Design	4
PRM 1000	Project Management	4
SOC 1005	Ethics Social Responsibility	4
Term Credits:		20
<b>Semester 3</b>		
BUS 1066	Work Placement	7
Term Credits:		7
Total Credits:		48

### Winter 2017

#### Program Delivery

Semester 2 - Winter 2017  
Semester 1 - Fall 2017  
Semester 3 - Winter 2018

#### Program of Study

Semester 1		Credits
ACC 1018	International Finance	3
BUS 1067	Introduction to Global Business	4
BUS 1132	International E-Commerce	3
HRI 1002	Global Human Resources Management	4
LAW 1005	International Law	3
MKT 1014	Global Marketing Management	4
Term Credits:		21
<b>Semester 2</b>		
BUS 1069	International Trade Management	4
BUS 1050	Global Distribution Channel	4
BUS 1072	Trade Research Design	4
PRM 1000	Project Management	4
SOC 1005	Ethics Social Responsibility	4
Term Credits:		20
<b>Semester 3</b>		
BUS 1066	Work Placement	7
Term Credits:		7
Total Credits:		48

### Fees

#### Tuition Fee (Canadian Students)

The tuition fee for the 2014-2015 academic year is \$6,906.12. Next year's tuition fees will be available May 1, 2016.

#### Tuition Fee (International Students)

The tuition fee for the 2014-2015 academic year is \$13,327.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## **Books & Supplies**

The estimated cost of books and supplies for 2015-2016 is approximately \$1,200. This is the best information available at the time of publishing to the website and is subject to change.

## **Graduate Options**

### **Employment Opportunities**

Employment opportunities for graduates may be found in a wide range of private and public international business environments in areas that include:

- Exporting and importing
- Distribution and logistics
- International trade development
- International research
- International sales and marketing
- International finance administration

## **Contacts**

### **Brian Vendramin**

Program Coordinator

705-566-8101, ext 7559

[brian.vendramin@cambriancollege.ca](mailto:brian.vendramin@cambriancollege.ca)



# MAGNETIC RESONANCE IMAGING (MRI) (MRIP)

## Ontario College Graduate Certificate | 2 semesters | Barrydowne | Capped Enrolment

If you have the natural ability to put people at ease and can maintain a high level of accuracy, organization, and patience during stressful situations in a fast-paced environment, a career as a Medical Resonance Imaging Technologist could be for you. In just eight months, Cambrian's program will provide you with the technical skills needed to excel in this field while exposing you to the day-to-day demands of this profession through a clinical placement in a hospital.

Cambrian's program is accredited by the Canadian Medical Association and prepares you for the Canadian Association of Medical Radiation Technologist's entry-to-practice certification exam in Magnetic Resonance Imaging.

### Program Highlights

- 1 year – 2 semesters
- Placement in semester two in an accredited hospital in Ontario
- One of only two colleges in Ontario that offer this program
- Grads are eligible to write the national certification exam set by the Canadian Association of Medical Radiation Technologists (CAMRT)

### Fieldwork/Placement

A 15-week clinical placement is a requirement for completion of this certificate. The clinical semester will be delivered at an approved clinical partner of Cambrian College. Information on placement sites will be available at the time of acceptance.

### Accreditation

Cambrian's program is accredited by the Canadian Medical Association.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Health Sciences, Nursing, and Emergency Services (<http://cambriancollege.ca/field-of-study/health-sciences-nursing-emergency-services>)

### Admissions

#### Admission Requirements

- Graduation from a Canadian Medical Association accredited and relevant diploma or degree program. Preference will be given to graduates of Medical Radiation Imaging Sciences – Radiologic Technology, Nuclear Medicine, Radiation Therapy, and Diagnostic Ultrasonography programs. Kinesiology, Biomedical Biology and Biomedical Physics degree programs may also be considered.
- Completion of the MRI Application Screening Form

#### Additional Requirements

- Immunization as required by the Ontario Hospitals Act.

**APPLY NOW!** (<http://www.ontariocolleges.ca/apply>)

**Fall 2016**

### Program Delivery

Semester 1 - Fall 2016

Semester 2 - Winter 2017

### Program of Study

Semester 1		Credits
MRI 1000	Abd/Thorax/Pelvis/MSK	3
MRI 1001	Head/Neck/Spinal Column	3
MRI 1002	MRI Techniques Clinical Applications	4
MRI 1004	Physical Properties/Principles MRI	4
MRI 1005	MRI Procedures	4
MRI 1006	MRI Pathology	3
MRI 1009	MRI Patient Care and Safety	4
Term Credits:		25
Semester 2		
MRI 1007	Comprehensive Review	3
MRI 1205	Clinical Practicum	30
Term Credits:		33
Total Credits:		58

### Fees

#### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$8,182.36. Next year's tuition fees will be available May 1, 2016.

#### Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$1,000. This is the best information available at the time of publishing to the website and is subject to change.

### Graduate Options

#### Employment Opportunities

Graduates may find employment in:

- Hospitals
- Medical clinics
- Private industry
- Education
- Sales

### University Degree Opportunities

Graduates from this program may continue their studies at university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

## Contacts

**Lorry MacDonald**

Program Coordinator

705-566-8101, ext 6377

[lorry.macdonald@cambriancollege.ca](mailto:lorry.macdonald@cambriancollege.ca)

# MEDICAL LABORATORY TECHNOLOGY (MLTY)

## Ontario College Advanced Diploma | 7 semesters | Barrydowne | Limited Enrolment

Become a behind-the-scenes member of health care teams. Cambrian's program will prepare you with the medical detective skills to analyze and interpret scientific data to detect health issues and recommend courses of treatment for patients. As a certified medical laboratory technologist, you'll find a wide range of career opportunities in hospitals, private practices/labs, consulting, sales, and more.

A combination of classroom learning, laboratory exercises, and clinical placements prepare you for entry-level medical laboratory technology practice in each of the following five disciplines:

1. Clinical hematology - Blood and blood disorders including coagulopathies
2. Transfusion science medicine - Preparation and transfusion of blood and blood products
3. Clinical chemistry - Determination of the presence, absence, or quantity of chemical substances in body fluids
4. Clinical microbiology - Detection of bacteria, fungi, viruses, and other pathogens
5. Clinical histotechnology - Gross dissection and preparation of body fluids and tissues for microscopy

### Program Highlights

- 3 years – 7 semesters
- 3 placements in an accredited laboratory
- Courses and lab work cover hematology, transfusion science medicine, chemistry, microbiology, and pathology
- Grads are eligible to write the national certification examination conducted by the Canadian Society for Medical Laboratory Sciences (CSMLS)

### Fieldwork/Placement

In the final three semesters, you will be placed in an accredited clinical laboratory where you will function, under supervision, as a member of the clinical laboratory team. You may be required to complete your clinical placement out of town. You must be financially prepared to relocate and support yourself away from Sudbury for your clinical placement. You may complete your clinical placement at one of the following sites:

- Thunder Bay Regional Health Sciences Centre, Thunder Bay
- Timmins and District Hospital, Timmins
- West Nipissing General Hospital, Sturgeon Falls
- West Parry Sound Health Centre, Parry Sound
- Blind River District Health Centre, Blind River
- Dryden Regional Health Centre, Dryden
- Health Sciences North/ Horizon Santé-Nord, Sudbury
- Kirkland and District Hospital, Kirkland Lake
- Lake of the Woods District Hospital, Kenora
- LifeLabs, Sudbury
- North Bay Regional Health Centre, North Bay

- Riverside Health Care Facilities, Fort Frances
- Sault Area Hospital, Sault Ste. Marie
- Sensenbrenner Hospital, Kapuskasing
- Meno-Ya-Win Health Centre, Sioux Lookout
- St. Joseph's Health Center, Elliot Lake
- Hôpital Notre-Dame Hospital, Hearst
- Temiskaming Hospital, New Liskeard
- Georgian Bay General Hospital, Midland

### Registration to Practice

Graduates are eligible to write the national certification examinations conducted by the Canadian Society for Medical Laboratory Sciences (CSMLS). Certification qualifies you for registration with the College of Medical Laboratory Technologists of Ontario (CMLTO), which is a requirement to practice in Ontario.

### Limited Enrolment - 60 seats available

Please note that possession of the requirements for application to the MLTY program does not guarantee admission. If the number of qualified applicants exceeds the number of places available in the program, Cambrian College reserves the right to select from among those qualified applicants. All students applying by February 1 will be given equal consideration. Preference will be given to Ontario residents.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Health Sciences, Nursing, and Emergency Services (<http://cambriancollege.ca/field-of-study/health-sciences-nursing-emergency-services>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum Ontario Secondary School Diploma (30 credits) curriculum or equivalent or mature student status, including:

- Grade 12 English (C) or (U)
- Grade 12 mathematics (C) or (U)
- Grade 12 chemistry (C) or (U)
- Grade 11 or 12 biology (C) or (U)

Please note: A minimum of 75% is required in each prerequisite course.

Recommended:

- computer competency in relevant software

Graduates of recognized Medical Laboratory Assistant programs may be eligible for advanced standing into the second semester of the program, provided there is space and that clinical opportunities are available.

Note: Cambrian College's Pre-Health Sciences (HLPG) program is the designated preferred preparatory program for admission to Cambrian College's limited enrolment health sciences programs. Limited enrolment programs are identified within the detailed program descriptions. The minimum GPA and grades required for successful admission will be determined by the quality and quantity of the applicant pool.

## Additional Information

Graduates of Cambrian's MLTY program are eligible to write the national certification examination conducted by the Canadian Society for Medical Laboratory Science (CSMLS).

Registered CSMLS members pay a reduced cost for the national certification exam. Students can register as members with CSMLS for periods of 2 years or 4 years at a reasonable additional cost. In 2015 - 2016, the cost to write the CSMLS exam for a member will be \$720 while the cost for non-members will be \$950. For more information, please visit the CSMLS website ([www.csmls.org](http://www.csmls.org) (<http://www.csmls.org>)).

Medical laboratory science is a regulated health profession. Certification qualifies the graduate for registration with the College of Medical Laboratory Technologists of Ontario (CMLTO), which is a requirement to practice in Ontario.

**APPLY NOW!** (<http://www.ontariocolleges.ca/apply>)

**Fall 2016**

### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018  
Semester 5 - Fall 2018  
Semester 6 - Winter 2019  
Semester 7 - Spring 2019

### Program of Study

Semester 1		Credits
BIO 1001	Anatomy Physiology	3
CHM 1001	Clinical Chemistry I	4
ENG 1121	Research Writing/Health Sciences	3
MLT 1004	Principles Practice I	4
MLT 1008	Laboratory Math	3
MLT 1009	Immunology	2
The following General Education course:		3
SSC 1002	Thinking, Reasoning, Relating	3
One of the following General Education courses:		3
GER 1200	Introduction To Gerontology	3
SOC 1205	Social Issues/Social Welfare in CA	3
Term Credits:		25
Semester 2		
BIO 1011	Clinical Microbiology I	3
CHM 1004	Clinical Chemistry II	5
MLT 1010	Molecular Techniques	3
MLT 1011	Principles Practice II	4
MLT 1012	Histotechnology I	2
MLT 1013	Clinical Hematology I	2
One of the following General Education courses:		3

PSY 1003	Concurrent Disorders, Mental Health Addictions	3
SOC 1000	Introduction To Sociology	3
Term Credits:		22
Semester 3		
BIO 1012	Clinical Microbiology II	6
CHM 1006	Clinical Chemistry III	6
MLT 1014	Histotechnology II	5
MLT 1015	Clinical Hematology II	6
MLT 1016	Transfusion Science I	5
Term Credits:		28
Semester 4		
BIO 1013	Clinical Microbiology III	6
CHM 1007	Clinical Chemistry IV	6
MLT 1017	Transfusion Science II	6
MLT 1018	Histotechnology III	2
MLT 1019	Clinical Hematology III	6
Term Credits:		26
Semester 5		
MLT 1020	Program Management	2
MLT 3509	Clinical Transfusion Science I	4
MLT 3510	Clinical Chemistry V	4
MLT 3565	Clinical Hematology IV	4
Term Credits:		14
Semester 6		
MLT 3508	Clinical Microbiology IV	4
MLT 3520	Clinical Histotechnology III	4
Term Credits:		8
Semester 7		
MLT 3615	Clinical Microbiology V	4
MLT 3625	Clin. Transfusion Science II	4
MLT 3630	Clinical Chemistry VI	4
MLT 3640	Clinical Histotechnology IV	4
MLT 3665	Clinical Hematology V	4
Term Credits:		20
Total Credits:		143

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$6,694.70. Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$17,889.24 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$2,000. This is the best information available at the time of publishing to the website and is subject to change.

## **Graduate Options**

### **Employment Opportunities**

While most medical laboratory technologists (MLTs) work in hospitals, physicians' offices, and private laboratories, MLTs also find challenging employment in other areas. From industrial research and public health laboratories to forensic and pharmaceutical laboratories, the MLTs analytical, scientific, and technical skills are a valuable asset. Other career options may include:

- Consulting
- Sales and marketing
- Research and product systems
- Laboratory information systems
- Supervision/administration/management
- Education
- Public health/infection control
- Technical support
- Quality assurance/total quality improvement
- Forensic biological sciences

### **University Degree Opportunities**

Graduates from this program may continue their studies at university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

### **Contacts**

**Brad Hann**

Program Coordinator

705-566-8101, ext 7223

[bradley.hann@cambriancollege.ca](mailto:bradley.hann@cambriancollege.ca)

# MEDICAL RADIATION TECHNOLOGY (MRTY)

## Ontario College Advanced Diploma | 6 semesters | Barrydowne | Limited Enrolment

Master the science and art of capturing and analyzing the inner structure of the human body through x-rays with hands-on experience in Cambrian's medical labs and during three hospital placements.

You will gain the skills and experience to support the different departments of a clinical facility including the trauma unit, operating room, and intensive care area as well as the diagnostic imaging department.

### Program Highlights

- 3 years – 6 semesters
- Students attend 3 semesters in the clinical environment
- Graduates are eligible to write the Canadian Association of Medical Radiation Technologists (CAMRT) certification examinations to become registered to practice

### Fieldwork/Placement

You must participate in a relevant clinical experience during the program. Clinical experience is gained at a variety of affiliate hospitals throughout Ontario. Students must be financially prepared to relocate and support themselves away from Sudbury for the clinical semesters. Students will be assigned a principle clinical site with short-term rotations and additional clinical sites arranged at the discretion of the clinical partners' clinical coordinator.

To graduate from the Medical Radiation Technology program at Cambrian College, you must demonstrate the skills, knowledge, and judgment determined by the competency profile of the Canadian Association of Medical Radiation Technologists (CAMRT). These competencies must be demonstrated within the timeframe of the clinical portion of the program. Failure to demonstrate competency in Medical Radiation Technology practice will result in failure and exit from the program.

### Accreditation

Cambrian's program is accredited by the Canadian Medical Association-Conjoint Accreditation.

### Limited Enrolment – 35 seats available

Please note that possession of the requirements does not guarantee admission. If the number of qualified applicants exceeds the number of places available in the program, the College reserves the right to select from among those applicants. All students applying by February 1 will be given equal consideration. Preference will be given to Ontario residents. Please see the Limited Enrolment F.A.Q.'s on our website under "How to Apply" for further details.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Health Sciences, Nursing, and Emergency Services (<http://cambriancollege.ca/field-of-study/health-sciences-nursing-emergency-services>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

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

Please note: A minimum of 70% is required in each prerequisite course

Recommended:

- computer competency in relevant software

Note: Cambrian College's Pre-Health Sciences (HLPG) program is the preferred preparatory program for admission to Cambrian College's limited enrolment Health Sciences programs. Limited enrolment programs are identified within the detailed program descriptions. The minimum GPA and grades required for successful admission will be determined by the quality and quantity of the applicant pool.

### Additional Requirements

- Fit mask testing
- Current WHMIS training certificate
- Current Basic Cardiac Life Support certificate
- Immunization as necessary according to the Ontario Hospitals Act
- Current criminal record check

### Additional Information

Upon successful completion of the program, the graduate must write the CAMRT (Canadian Association of Medical Radiation Technologists) certification examinations to become registered. In Ontario, the College of Medical Radiation Technologists of Ontario recognizes and accepts the CAMRT certification exam. Graduates must register with the College of Medical Radiation Technologists of Ontario to be eligible for employment in Ontario. The cost for the examination/registration process is the responsibility of the graduate and will be required in the final semester of the program.

**APPLY NOW!** (<http://www.ontariocolleges.ca/apply>)

### Fall 2016

#### Program Delivery

- Semester 1 - Fall 2016
- Semester 2 - Winter 2017
- Semester 3 - Fall 2017
- Semester 4 - Winter 2018
- Semester 5 - Spring 2018
- Semester 6 - Fall 2018

## Program of Study

### Semester 1

		Credits
BIO 1005	Radiographic Skeletal Anatomy	2
BIO 1107	Anatomy Physiology I	3
ENG 1121	Research Writing/Health Sciences	3
MRT 1000	Radiation Sciences	5
MRT 1100	Medical Radiation Lab Practice I	2
MRT 1120	Imaging Principles and Concepts I	3
MRT 1144	Radiographic Procedures I	6
MRT 1150	Patient Management I	2
The following General Education course:		3
PSY 1003	Concurrent Disorders, Mental Health Addictions	3
Term Credits:		29

### Semester 2

BIO 1207	Anatomy Physiology II	3
MRT 1200	Medical Radiation Lab Practice II	2
MRT 1201	Radiographic Pathology I	3
MRT 1210	Dedicated Radiographic Equip	3
MRT 1220	Imaging Principles Concepts II	3
MRT 1241	Intro to Health Research	3
MRT 1244	Radiographic Procedures II	5
HEA 1022	Canadian Health Care	3
One of the following General Education courses:		3
GER 1200	Introduction To Gerontology	3
MUS 1009	Rock Music, Culture Technology	3
Term Credits:		28

### Semester 3

BIO 1006	Cross Sectional Anatomy	3
MRT 1202	Radiographic Pathology II	3
MRT 2300	Medical Radiation Lab Practice III	2
MRT 2310	Computed Tomography Princ/Pro	3
MRT 2320	Imaging Principles Concepts III	3
MRT 2340	Health Legis. Professional Pract	3
MRT 2344	Radiographic Procedures III	5
MRT 2350	Patient Management	4
MRT 2360	Radiation Health Safety	3
Term Credits:		29

### Semester 4

MRT 1001	Clinical Practicum I	26
One of the following General Education courses:		3
PSY 1125	Positive Psychology	3
SOC 1205	Social Issues/Social Welfare in CA	3
Term Credits:		29

### Semester 5

MRT 1002	Clinical Practicum II	26
MRT 3520	Theory Review Test	1
Term Credits:		27

### Semester 6

MRT 3620	Comprehensive Exam	1
MRT 1003	Clinical Practicum III	26
Term Credits:		27
Total Credits:		169

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$6,694.70. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2016-2017 is approximately \$2,000. This is the best information available at the time of publishing to the website and is subject to change.

## Graduate Options

### Employment Opportunities

Graduates may find employment as a medical radiation technologist in diagnostic imaging departments in hospitals and independent health facilities.

### Furthering Your Studies

Students successfully completing the Medical Radiation Technology program may be eligible to further their studies in Cambrian's one-year Magnetic Resonance Imaging (MRI) – Graduate Certificate program.

## University Degree Opportunities

Graduates from this program may continue their studies at university and receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

## Contacts

**Brenda Cliff**  
 Program Coordinator  
 705-566-8101, ext 7206  
[brenda.cliff@cambriancollege.ca](mailto:brenda.cliff@cambriancollege.ca)



# MINING ENGINEERING TECHNICIAN (MNTN)

## Ontario College Diploma | 4 semesters | Barrydowne

The mining industry is dynamic and ever-changing, and Cambrian's Mining Engineering Technician program challenges you to explore why and how things work and to find innovative solutions to problems.

As you learn and live in one of the mining centres of the world, you will prepare to become part of mining engineering teams responsible for a wide range of projects involving surveying, drafting, design, environmental studies, industrial geological and geophysical fieldwork, ventilation, ground control, and supervision.

Industry-experienced faculty members will guide your progress and understanding through examples gained from industry experience, field trips in the renowned Sudbury basin, and hands-on demonstrations. You will benefit from a variety of experiential learning opportunities, including activities at an active mine site to gain a broad understanding of the various aspects of mining engineering as well as communication and leadership skills.

You will also participate in Service Type Common Core training (requires an employer sign-off for registration) as part of your practical underground learning experience.

### Program Highlights

- 2 years – 2 semesters
- Optional 4-month co-op placement
- Gain a solid foundation in surveying, geology, AutoCAD, mine development, environmental management, and more
- 10-day field camp at the end of the second semester
- Field trips to mine sites and/or mining suppliers
- Annual Mining Day conference provides networking opportunities with industry professionals

### Fieldwork/Placement

There is a field camp for 10 days following the end of the second semester.

An optional Co-op Placement is available for 12-16 weeks between the second and third semesters.

### 4D Learning Opportunities

Mining Day Conference – Each year, Cambrian College, Laurentian University, and Collège Boréal students spend the day networking with industry guest speakers and hearing about the latest trends and issues in the mining industry.

### Accreditation

Cambrian's Mining Engineering Technology program is accredited by Technology Accreditation Canada (TAC), which includes the curriculum of the Mining Engineering Technician program.

In addition, our graduates are recognized by The Ontario Association of Certified Engineering Technicians and Technologists (OACETT), which

will give you access to career development opportunities and a national network of engineering professionals.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Engineering Technology (<http://cambriancollege.ca/field-of-study/engineering-technology>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

- Any grade 12 English (C), (U), or (M)
- Any grade 12 mathematics (C) or (U) (MCT4C is highly recommended)

Recommended:

- Any grade 12 physics (C) or (U)
- Computer competency in relevant software

### APPLY NOW! (<http://ontariocolleges.ca/apply>)

#### Fall 2016

#### Program Delivery

Semester 1 - Fall 2016

Semester 2 - Winter 2017

Semester 3 - Fall 2017

Semester 4 - Winter 2018

#### Program of Study

Semester 1		Credits
ENG 1002	College Communication	3
GEO 1100	Geology I	4
MNG 1100	Introduction to Mining	4
MTH 1050	Algebra I	3
SUR 1115	Surveying I	4
The following General Education course:		3
BUS 1015	Negotiation Labour Relations	3
Term Credits:		21
Semester 2		Credits
CAD 1100	Computer-Aided Drafting I	2
ENG 1754	Technical Communication II	3
GEO 1200	Geology II	4
MNG 1200	Mining Methods	4
MNG 1014	Mineral Resources Field Camp	1
MTH 1250	Algebra II	3
SUR 1225	Mine Surveying	5
Term Credits:		22
Semester 3		Credits
GEO 2305	Geological Field Data Collection	5
GEO 2307	Digital Map Making	2
GEO 2434	Core Logging	3
MNG 2335	Mine Layouts and Planning	5

MTH 2325	Technical Math III	3
One of the following Elective courses:		4
GEO 2311	Exploration Geophysics	4
MNG 2330	Mine Equipment Maintenance Safety	4
One of the following General Education courses:		3
POL 1500	Canadian Political Studies	3
SOC 1007	Intro to Indigenous Studies	3
<hr/>		
	Term Credits:	25
<b>Semester 4</b>		
CHM 1206	Chemistry for the Geosciences	3
GEO 2420	Intro To Structural Geology	4
MNG 2300	Mine Blasting Techniques	4
MNG 3000	Ground Control	5
MNG 3505	Environmental Management for Mining	3
One of the following Elective courses:		4
MNG 2310	Mine Ventilation	4
GEO 1002	Introductory Petrology	4
One of the following General Education courses:		3
ECN 1002	Economics	3
PSY 2700	Client Comm. Leadership Develop	3
<hr/>		
	Term Credits:	26
<hr/>		
	Total Credits:	94

- Mine ventilation
- Mine safety
- Field exploration
- Mine Geology
- Mine Planning

Graduates of this program may continue into Cambrian College's Mining Engineering Technology advanced diploma program or seek job opportunities in the mining and mineral resources industry.

## Furthering Your Studies

Students successfully completing the Mining Engineering Technician program may enter directly into the Mining Engineering Technology program.

## Contacts

**Katherine Bruce**  
 Program Coordinator  
 705-566-8101, ext 7555  
[katherine.bruce@CambrianCollege.ca](mailto:katherine.bruce@CambrianCollege.ca)

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$1000; including \$500 for Personal Protective Equipment. This is the best information available at the time of publishing to the website and is subject to change.

## Graduate Options

### Employment Opportunities

Graduates may find employment in mineral resources exploration or in the operations of surface or underground mines. Graduates may be employed in a mine engineering office or in mine production. Some graduates may find work in more specialized areas such as:

- Mine Surveying
- Ground control

# MINING ENGINEERING TECHNOLOGY (MNTY)

## Ontario College Advanced Diploma | 6 semesters | Barrydowne

Prepare for a career in the dynamic mining industry in one of the nickel mining capitals of the world – Sudbury, Ontario.

Our nationally-accredited program is the only one of its kind in Ontario and will provide you with the skills and hands-on experience to become part of underground or open pit mine engineering teams anywhere in the world that are responsible for a wide range of projects involving surveying, drafting, design, environmental studies, industrial geological and geophysical fieldwork, ventilation, ground control, and supervision.

Industry-experienced faculty members will guide your progress and understanding through examples gained from industry experience, field trips in the renowned Sudbury basin, and hands-on demonstrations. You will benefit from a variety of experiential learning opportunities, including activities at an active mine site to gain a broad understanding of the various aspects of mining engineering as well as communication and leadership skills.

You will also participate in Service Type Common Core training (requires an employer sign-off for registration) as part of your practical underground learning experience.

In your third year, you will further develop practical skills in surveying and GIS, mine ventilation planning, mine design, and project management. This skill set is highly valued by employers across the mining industry and enhances your career opportunities within this exciting sector.

### Program Highlights

- 3 years – 6 semesters
- Accredited by Technology Accreditation Canada
- The only Mining Engineering Technology program in Ontario
- Field trips to mine sites and/or mining suppliers
- Gain a solid foundation in technical reports, project planning and design, surveying, geology, AutoCAD, mine development, environmental management, and more

### Fieldwork/Placement

There is a field camp for 10 days following the end of the second semester.

An optional co-op placement is available for 12-16 weeks between the second and third semesters.

### 4D Learning Opportunities

Mining Day Conference – Each year, Cambrian College, Laurentian University, and Collège Boréal students spend the day networking with industry guest speakers and hearing about the latest trends and issues in the mining industry.

### Accreditation

Cambrian's Mining Engineering Technology program is accredited by Technology Accreditation Canada (TAC).

In addition, our graduates are recognized by The Ontario Association of Certified Engineering Technicians and Technologists (OACETT), which will give you access to career development opportunities and a national network of engineering professionals.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Engineering Technology (<http://cambriancollege.ca/field-of-study/engineering-technology>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

- Any grade 12 English (C), (U), or (M)
- Any grade 12 mathematics (C) or (U) (MCT4C is highly recommended)

Recommended:

- Any grade 12 physics (C) or (U)
- Computer competency in relevant software

### APPLY NOW! (<http://ontariocolleges.ca/apply>)

#### Fall 2016

#### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018  
Semester 5 - Fall 2018  
Semester 6 - Winter 2019

#### Program of Study

Semester 1		Credits
GEO 1100	Geology I	4
ENG 1002	College Communication	3
MNG 1100	Introduction to Mining	4
MTH 1050	Algebra I	3
SUR 1115	Surveying I	4
The following General Education course:		3
BUS 1015	Negotiation Labour Relations	3
Term Credits:		21
Semester 2		Credits
CAD 1100	Computer-Aided Drafting I	2
ENG 1754	Technical Communication II	3
GEO 1200	Geology II	4
MNG 1200	Mining Methods	4
MNG 1014	Mineral Resources Field Camp	1
MTH 1250	Algebra II	3
SUR 1225	Mine Surveying	5
Term Credits:		22
Semester 3		Credits

GEO 2305	Geological Field Data Collection	5
GEO 2307	Digital Map Making	2
GEO 2434	Core Logging	3
MNG 2335	Mine Layouts and Planning	5
MTH 2325	Technical Math III	3
One of the following Elective courses:		
GEO 2311	Exploration Geophysics	4
MNG 2330	Mine Equipment Maintenance Safety	4
One of the following General Education courses:		
POL 1500	Canadian Political Studies	3
SOC 1007	Intro to Indigenous Studies	3
Term Credits:		25
<b>Semester 4</b>		
CHM 1206	Chemistry for the Geosciences	3
GEO 2420	Intro To Structural Geology	4
MNG 2300	Mine Blasting Techniques	4
MNG 3000	Ground Control	5
MNG 3505	Environmental Management for Mining	3
One of the following Elective courses:		
MNG 2310	Mine Ventilation	4
GEO 1002	Introductory Petrology	4
One of the following General Education courses:		
ECN 1002	Economics	3
PSY 2700	Client Comm. Leadership Develop	3
Term Credits:		26
<b>Semester 5</b>		
MNG 1001	Geoscience Applications	3
MNG 3500	Mine Ventilation Planning	5
MNG 3531	Scheduling-Estimating/Mine Projects	4
MNG 3625	Applied Geomechanics	5
MTH 2332	Applied Calculus	3
SUR 3600	Surveying III	4
TEC 3501	Technical Report Research	1
Term Credits:		25
<b>Semester 6</b>		
GEO 3611	Mineral Economics Project Mgmt.	5
GIS 3600	GIS Applications	3
MNG 3525	Mine Services	4
MNG 3545	Applied Mine Design	3
MNG 3611	Mine Problems Equipment	4
TEC 3601	Technical Report	1
Term Credits:		20
Total Credits:		139

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

### Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$800. This is the best information available at the time of publishing to the website and is subject to change.

## Graduate Options

### Employment Opportunities

Graduates may find employment in the operations of all sizes of underground or open pit mines and may be employed in the mine engineering office or in mine production as a supervisor.

Some graduates may work in more specialized areas such as:

- Rock mechanics
- Mine ventilation
- Air conditioning
- Mine safety

Many technicians/technologists may also work for government agencies or as technical sales representatives with the industrial suppliers who service this large industry. Others may elect to work overseas. A career in mining may offer travel opportunities, varied living environments, and experience with other cultures and people.

## University Degree Opportunities

Graduates from this program may continue their studies at university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

## Contacts

### Tony Insinna

Program Coordinator  
705-566-8101, ext 7880  
tony.insinna@cambriancollege.ca

# MOTIVE POWER TECHNICIAN - SERVICE AND MANAGEMENT (VMTN)

## Ontario College Diploma | 4 semesters | Barrydowne | Capped Enrolment

Get hands-on training servicing gas-powered and hybrid vehicles and learn the ropes of shop management in Cambrian's state-of-the-art shop. You can also choose to start your apprenticeship.

After an introduction to basic work safety and fasteners and hand/pneumatic tools, your courses will be a 50/50 split between hands-on and classroom training in steering suspension and brakes, drivetrains, and engines.

You will learn to diagnose and repair complex wiring systems, understand serial data communications, and perform quality repairs. Emissions systems, automatic transmissions, ABS brakes, air conditioning, computer applications, scan tools, lab scopes, and gas analyzers will be explored in depth. Special focus will be placed on electrical and electronic components throughout the program.

## Program Highlights

- 2 year – 4 semesters
- Fully functioning automotive shop
- Hands-on training in the servicing and repair of gas and hybrid engines and drive train systems
- Educational partnership with ConsuLab

## Co-op Diploma Apprenticeship Program Option

The Co-op Diploma Apprenticeship program combines a college diploma program and apprenticeship training leading to a Certificate of Qualification. The program enables individuals to train as apprenticeship participants, completing all in-school learning outcomes (trade school). In addition, participants have the option to pursue a co-op with an employer. Individuals who want to register for the Co-op Diploma Apprenticeship program must meet all eligibility criteria for both the college diploma program as well as apprenticeship training. For further information, please contact the Coordinators, Cooperative Placements at 705-566-8101, ext 7564 or 7707.

## Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Skills and Trades Training (<http://cambriancollege.ca/field-of-study/skills-and-trades-training>)

## Admissions

### Admission Requirements

For graduates of the new curriculum (OSS): 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)

**APPLY NOW!** (<http://ontariocolleges.ca/apply>)

**Fall 2016**

## Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018

## Program of Study

Semester 1		Credits
APP 1101	Trades Practice Applications I	6
DTS 1141	Drive Train Systems I	5
MTH 1205	Computer Methods - Trades Software	2
SSB 1151	Steering/Suspension/Brakes I	6
The following General Education course:		3
BUS 1008	Personal Finance	3
Term Credits:		22
<b>Semester 2</b>		
ELC 1217	Electrical Electronics I	6
ENG 1002	College Communication	3
FLS 1000	Basic Fuel System Fuel Manag	7
MOT 1000	Gas Engines I	5
Term Credits:		21
<b>Semester 3</b>		
APP 1000	Repairer s Rights and Responsibilities	2
ELC 2303	Electrical Systems Electronics	8
ENG 1780	Applied Communication II	2
MOT 1002	Gas Engines II	3
PWT 2305	Power Train Controls II	4
One of the following General Education course:		3
BUS 1015	Negotiation Labour Relations	3
CET 1003	Cybernation	3
MUS 1009	Rock Music, Culture Technology	3
PSY 1001	Psychology of Evil	3
SCI 1000	Issues and Ethics in Science	3
Term Credits:		22
<b>Semester 4</b>		
DTS 2401	Drive Train System II	5
EFI 2401	Electronic Fuel Injection Systems	5
ICE 1000	Air Conditioning Systems 4RS	4
PRS 1430	Personal Relations Skill Attitude	2
SSB 1411	Steering/Suspension/ABS Brakes	4
One of the following General Education course:		3
BUS 1015	Negotiation Labour Relations	3
CET 1003	Cybernation	3
MUS 1009	Rock Music, Culture Technology	3
PSY 1001	Psychology of Evil	3

SCI 1000	Issues and Ethics in Science	3
Term Credits:		23
Total Credits:		88

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$3,000 (for first year including tools for both years). This is the best information available at the time of publishing to the website and is subject to change.

## Graduate Options

### Employment Opportunities

Graduates may find employment as:

- General automotive service technicians
- Specialty technicians (e.g., electrical/driveability, transmission)
- Service advisors/consultants
- Automotive parts/retail salespersons
- Manufacturing/fabricating/custom work employees

## University Degree Opportunities

Graduates from this program may continue their studies at university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

## Contacts

### John Weiss

Program Coordinator

705-566-8101, ext 7804

[john.weiss@cambriancollege.ca](mailto:john.weiss@cambriancollege.ca)

# MOTIVE POWER TECHNICIAN - TRUCK AND COACH (TCTN)

## Ontario College Diploma | 4 semesters | Barrydowne | Capped Enrolment

After learning the basic fundamentals of diesel engines, power trains, electrical systems, hydraulic systems, and brake systems for heavy equipment in first year, you'll undertake training in second year that will enable you to meet the challenges of the truck and coach trade. In-class work is complemented by extensive shop training where you will be expected to develop a high standard of craftsmanship, problem-solving skills, and personal pride in the trade.

### Program Highlights

- 2 years – 4 semesters
- Co-op Diploma Apprenticeship option
- Work on scoop trams, trucks, coach buses, and other types of equipment in our heavy equipment shop

### Co-op Diploma Apprenticeship Program Option

The Co-op Diploma Apprenticeship program combines a college diploma program and apprenticeship training leading to a Certificate of Qualification. The program enables individuals to train as apprenticeship participants, completing all in-school learning outcomes (trade school). In addition, participants have the option to pursue a co-op with an employer. Individuals who want to register for the Co-op Diploma Apprenticeship program must meet all eligibility criteria for both the college diploma program as well as apprenticeship training. For further information, please contact the Coordinators, Cooperative Placements at 705-566-8101, ext 7564 or 7707.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Skills and Trades Training (<http://cambriancollege.ca/field-of-study/skills-and-trades-training>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): 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)

**APPLY NOW!** (<http://ontariocolleges.ca/apply>)

**Fall 2016**

### Program Delivery

Semester 1 - Fall 2016

Semester 2 - Winter 2017

Semester 3 - Fall 2017

Semester 4 - Winter 2018

### Program of Study

Semester 1		Credits
ELC 1120	Electrical Electronics I	4
HDM 1140	Diesel Engines I	2
HDM 1150	Diesel Engines II	3
HDM 1161	Trade Practices Applications I	5
TCA 1100	Trade Math I	2
WLD 1105	Welding and Oxyacetylene	2
The following General Education course:		3
BUS 1008	Personal Finance	3
Term Credits:		21
Semester 2		
HDM 1221	Hydraulics	4
ENG 1002	College Communication	3
HDM 1230	Fuels Systems	4
PWT 1100	Power Train I	3
PWT 1200	Power Train Systems II	3
SSB 1100	Suspen/Steer/Brake Sys I Pneumatics	4
Term Credits:		21
Semester 3		
ENG 1780	Applied Communication II	2
TCT 1000	Fuel Systems II	7
TCT 1001	Steering, Suspension Brake S	7
TCT 1002	Drive Train Systems	6
One of the following General Education courses:		3
BUS 1015	Negotiation Labour Relations	3
CET 1003	Cybernation	3
PSY 1001	Psychology of Evil	3
SCI 1000	Issues and Ethics in Science	3
MUS 1009	Rock Music, Culture Technology	3
Term Credits:		25
Semester 4		
TCT 1003	Trade Practices	6
TCT 1004	Electrical/Electronics	7
TCT 1005	Engine Systems	7
One of the following General Education courses:		3
BUS 1015	Negotiation Labour Relations	3
CET 1003	Cybernation	3
MUS 1009	Rock Music, Culture Technology	3
PSY 1001	Psychology of Evil	3
SCI 1000	Issues and Ethics in Science	3
Term Credits:		23
Total Credits:		90



## **Fees**

### **Tuition Fee (Canadian Students)**

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available May 1, 2016.

### **Tuition Fee (International Students)**

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## **Books & Supplies**

The estimated cost of books and supplies for 2015-2016 is approximately \$500. This is the best information available at the time of publishing to the website and is subject to change.

## **Graduate Options**

### **Employment Opportunities**

Graduates may find employment as apprentices in the trucking industry or may find employment in related truck component overhaul shops.

## **Contacts**

**Robert Huzij**

Program Coordinator

705-566-8101, ext 6437

robert.huzij@cambriancollege.ca

# MUSIC - PERFORMANCE (PATM)

## Ontario College Advanced Diploma | 6 semesters | Barrydowne

This program provides aspiring musicians with well-rounded, yet in-depth specialized training in the art and business of music performance. You have the opportunity to receive one-on-one classical training on a major and a minor instrument chosen from the following options: brass, classical guitar, piano, percussion, strings, voice, and woodwinds. Performance skills are developed in weekly performance classes and through frequent performance opportunities. You will also gain valuable ensemble experience via choirs, orchestras, chamber groups and bands.

Concerts and recitals presented throughout the school year showcase Cambrian's Music students and faculty. In addition, the Cambrian Concert Series enhances your educational experience by featuring distinguished guest artists who host workshops and perform recitals.

Music theory and history courses will deepen your understanding of style and musicianship as it applies to your chosen specialty and beyond. Regardless of training background or skill level, specially-designed theory courses ensure that all students can be accommodated. Courses in language, teaching methods, and business skills equip you for both the teaching and commerce ends of the music profession.

Whether performing, composing, teaching, or working in some other facet of the music industry, all musicians require an education that not only develops their skills, but also strengthens their perceptual, imaginative, and expressive powers. The Cambrian College Music-Performance program delivers an educational experience that is tailored to the multifaceted, competitive arena that is the world of music.

### Program Highlights

- 3 years – 6 semesters
- Only classical performance advanced diploma program in the province
- Only undergraduate postsecondary program in Ontario that includes courses in pedagogy
- Choose from seven instruments for your major and minor
- Easy access to a huge bank of instruments and practice facilities
- Highly-experienced, industry-recognized faculty who are all performing musicians

### 4D Learning Opportunities

Cambrian Concert Series – You'll perform in this annual concert series that also features distinguished guest artists who host workshops and perform recitals for students and the public in the campus theatre.

Weekly performance opportunities – Depending on your major and minor, you'll perform in music ensembles, choirs, orchestras, bands, and jazz groups on campus and around the city.

High school performances and workshops – You may be selected to tour various high schools across Ontario to showcase your performance skills and teach music concepts to high school students.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Creative Arts, Music and Design (<http://cambriancollege.ca/field-of-study/creative-arts-music-design>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

- Any grade 12 English (C), (U), or (M)
- Must demonstrate musical aptitude during an audition

#### Additional Requirements

Training in a major instrument.

### APPLY NOW! (<http://ontariocolleges.ca/apply>)

#### Fall 2016

#### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018  
Semester 5 - Fall 2018  
Semester 6 - Winter 2019

#### Program of Study

Semester 1		Credits
ENG 1002	College Communication	3
MUS 1000	Ensemble I (Large)	2
MUS 1010	History I	3
MUS 1117	String Class I	2
MUS 1200	Theory I	5
PSY 1160	Performance Psychology	3
Any 1 MAJOR Subject		5
Any 1 MINOR Subject		2
Term Credits:		25
Semester 2		
ENG 2305	Business Employment Correspondence	3
MUS 1050	Ensemble II (Large)	2
MUS 1217	String Class II	2
MUS 1020	History II	3
MUS 1250	Theory II	5
Any 1 MAJOR Subject		5
Any 1 MINOR Subject		2
The following General Education course:		3
HST 1106	Art History I	3
Term Credits:		25
Semester 3		
MUS 1114	Winds Class I	2

MUS 2200	Theory III	5
MUS 2311	Pedagogy I	2
MUS 2312	Conducting I	2
Any 1 MAJOR Subject		5
Any 1 MINOR Subject		2
Any 1 ENSEMBLE Subject		2
One of the following General Education courses:		3
SSC 1000	Media and Current Events	3
SOC 1010	Cross-Cultural Understanding	3
Term Credits:		23
<b>Semester 4</b>		
MUS 1030	History III	3
MUS 1214	Winds Class II	2
MUS 2250	Theory IV	5
MUS 2351	Pedagogy II	2
MUS 2412	Conducting II	2
Any 1 MAJOR Subject		5
Any 1 MINOR Subject		2
Any 1 ENSEMBLE Subject		2
One of the following General Education courses:		3
ANI 1049	Film Studies	3
CET 1003	Cybernation	3
Term Credits:		26
<b>Semester 5</b>		
MUS 1040	History IV	3
MUS 1003	Percussion Class I	1
MUS 3003	The Business Of Music I	3
MUS 3200	Theory V	3
MUS 3311	Pedagogy III	3
Any 1 MAJOR Subject		5
Any 1 MINOR Subject		2
Any 1 ENSEMBLE Subject		2
Term Credits:		22
<b>Semester 6</b>		
MUS 1004	Percussion Class II	1
MUS 1216	Guitar Class	2
MUS 3004	The Business Of Music II	3
MUS 3250	Theory VI	3
MUS 3351	Music Pedagogy IV	3
Any 1 MAJOR Subject		5
Any 1 MINOR Subject		2
Any 1 ENSEMBLE Subject		2
Term Credits:		21
Total Credits:		142

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

### Books & Supplies

The estimated cost of books and supplies, including an instrument rental fee for 2015-2016 is approximately \$1,580. This includes an instrumental rental fee of \$150. This is the best information available at the time of publishing to the website and is subject to change.

### Graduate Options

#### Employment Opportunities

Graduates may choose to continue their music studies at other postsecondary institutions and may receive transfer credits for their work at Cambrian. Other graduates return to their communities to work as private teachers and community musicians, and some may pursue their personal goals of recording and touring as performers. Other employment opportunities include private teaching in studios, conservatories, and commercial music schools.

Graduates may also find employment in other music-related businesses such as:

- Retailing
- Direct sales
- Publishing
- Radio
- Television
- Music agencies

### University Degree Opportunities

Graduates from this program may continue their studies at university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

### Contacts

#### Pamela Teed

Program Coordinator  
705-566-8101, ext 7227  
pamela.teed@cambriancollege.ca

#### Jamie Arrowsmith

Program Coordinator  
705-566-8101, ext 7407  
jamie.arrowsmith@cambriancollege.ca

# NETWORK TECHNICIAN (NETN)

## Ontario College Diploma | 4 semesters | Barrydowne

Gain the in-depth networking skills to manage and solve the networking and security needs of all sizes and types of organizations. You will learn how to install, manage, and troubleshoot networks and internetworks.

Plus, you'll learn from faculty like Bob Vachon – one of our pros who literally helped write the Cisco Systems book on networking.

### Program Highlights

- 2 year – 4 semesters
- Cambrian is an authorized Cisco Systems Networking Academy and Microsoft IT Academy
- Courses cover programming, server administration, LANs and WANs, client service, and more
- Graduates can enter directly into the third year of Cambrian's Computer Systems Technology program

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Business and Information Technology (<http://cambriancollege.ca/field-of-study/business-and-information-technology>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS):

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

- Any grade 12 English (C), (U), or (M)
- Any grade 12 mathematics (C), (U), or (M) (MCT4C is highly recommended)

Recommended: computer competency in relevant software

## APPLY NOW! (<http://ontariocolleges.ca/apply>)

### Fall 2016

#### Program Delivery

Semester 1 - Fall 2016

Semester 2 - Winter 2017

Semester 3 - Fall 2017

Semester 4 - Winter 2018

#### Program of Study

##### Semester 1

		Credits
CET 2306	Local Area Networks	5
CET 2321	Windows for IT Professionals	4
CMP 1117	Introduction to Programming	4
CMP 1119	IT Essentials	4
ENG 1002	College Communication	3
The following General Education course:		3

BUS 3585	Entrepreneurship	3
Term Credits:		23
<b>Semester 2</b>		
CET 1210	Deploying Windows Server	4
CET 1007	Routing Switching Essentials	5
ENG 1754	Technical Communication II	3
STY 1211	Database Design	4
One of the following General Education courses:		3
FIT 1115	Health Wellness	3
PSY 2700	Client Comm. Leadership Develop	3
Term Credits:		19
<b>Semester 3</b>		
CET 2310	Managing Windows Servers	4
CET 1008	Scaling Networks	4
CET 2345	Accessing the WAN	4
CMP 1102	SQL Server	4
One of the following General Education courses:		3
BUS 1008	Personal Finance	3
SOC 1010	Cross-Cultural Understanding	3
Term Credits:		19
<b>Semester 4</b>		
CET 2331	UNIX System Administration	4
CET 2425	Network Infrastructure	4
CET 3511	Active Directory	4
CET 3520	Building Scalable Networks	4
CET 3621	Multi-Layer Switching	4
Term Credits:		20
Total Credits:		81

### Fees

#### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

#### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

### Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$1100 for two semesters. This is the best information available at the time of publishing and is subject to change.

### Graduate Options

#### Employment Opportunities

Graduates may seek employment across various industries as a:

- Network Technician
- Network Administrator
- Helpdesk Support

- End-user Support

## **Furthering Your Studies**

Graduates can enter directly into the third year of Cambrian's Computer Systems Technology program.

## **University Degree Opportunities**

Graduates from this program may continue their studies at university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

## **Contacts**

### **Brian Lobban**

Program Coordinator

705-566-8101, ext 7863

[brian.lobban@cambriancollege.ca](mailto:brian.lobban@cambriancollege.ca)

# ORGANIZATION MANAGEMENT (MOGC)

## Ontario College Graduate Certificate | 2 semesters | Barrydowne and Online

Maximize your leadership potential by expanding your management skills through this one-year program. You will take a series of carefully selected business courses that will build and enhance your skills in critical areas of management such as finance, marketing, human resources, and leadership. These courses are designed to enhance your employability and career advancement.

This program features a hybrid delivery of in-class and online courses. You must also participate in two weekend residency (virtual or on-campus) activities.

### Program Highlights

- 1 year – 2 semesters
- The only graduate certificate program of its kind in Ontario
- Courses delivered online in combination with 2 weekend residencies on campus
- Flexible delivery allows you to continue working while earning your certificate
- Choose from 4 streams to develop specialized management skills – health care, community services, non-profit, or skilled trades

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Business and Information Technology (<http://cambriancollege.ca/field-of-study/business-and-information-technology>)

### Admissions

#### Admission Requirements

Graduate of a recognized two- or three-year postsecondary program. Applicants working in related industries without a diploma or degree may be considered on an individual basis.

**APPLY NOW!** (<http://ontariocolleges.ca/apply>)

### Fall 2016

#### Program of Delivery

Semester 1 - Fall 2016

Semester 2 - Winter 2017

#### Program of Study

Semester 1		Credits
SOC 1005	Ethics Social Responsibility	4
BUS 1085	Roles and Competencies	3
BUS 1048	Trends and Issues I	1
BUS 1133	Customer Service Planning	3
BUS 3550	Corporate Finance I	3
HRP 7106	Organizational Behaviour	4

One of the following Elective courses:		3
BUS 1080	Organizational Governance	3
MKT 3550	Marketing Management	3
BUS 3595	Business Research	4

Term Credits: 21

#### Semester 2

BUS 1081	Proposal Writing	3
ACC 7300	Managerial Accounting	4
BUS 1083	Leading in Organizations	3
BUS 1134	Trends and Issues II	1
BUS 3585	Entrepreneurship	3
HRP 7110	Human Resources Management	3

One of the following Elective courses: 3

MKT 3680	Professional Selling	3
BUS 1135	Cultural Awareness	3
PRM 1000	Project Management	4

Term Credits: 20

Total Credits: 41

### Winter 2017

#### Program Delivery

Students in the Winter 2017 version will commence their studies in semester 2 of the program.

Semester 2 - Winter 2017

Semester 1 - Fall 2017

#### Program of Study

Semester 1		Credits
SOC 1005	Ethics Social Responsibility	4
BUS 1085	Roles and Competencies	3
BUS 1116	Trends and Issues I	1
BUS 1133	Customer Service Planning	3
BUS 3550	Corporate Finance I	3
HRP 7106	Organizational Behaviour	4
One of the following Elective courses:		3
BUS 1080	Organizational Governance	3
MKT 3550	Marketing Management	3
BUS 3595	Business Research	4

Term Credits: 21

#### Semester 2

BUS 1081	Proposal Writing	3
ACC 7300	Managerial Accounting	4
BUS 1083	Leading in Organizations	3
BUS 1134	Trends and Issues II	1
BUS 3585	Entrepreneurship	3
HRP 7110	Human Resources Management	3

One of the following Elective courses: 3

MKT 3680	Professional Selling	3
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BUS 1135	Cultural Awareness	3
PRM 1000	Project Management	4
<hr/>		
	Term Credits:	20
<hr/>		
	Total Credits:	41

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$6,418.34. Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for the 2015-2016 is approximately \$800 per semester. This is the best information available at the time of publishing to the website and is subject to change.

## Graduate Options

### Employment Opportunities

Graduates of this one-year graduate certificate program will be positioned to pursue management positions in a wide range of organizations including:

- Financial institutions
- Not-for-profit organizations
- Government offices
- Public accounting firms
- Small businesses
- Manufacturing industries
- Health care
- Community services
- Entrepreneurial ventures

## Contacts

### Brian Vendramin

Program Coordinator

705-566-8101, ext 7559

brian.vendramin@cambriancollege.ca



# PARAMEDIC (PARA)

## Ontario College Diploma | 4 semesters | Barrydowne | Limited Enrolment

Cambrian's experienced faculty will train you to safely and efficiently handle the rigors of this fast-paced and often very intense profession that is also extremely rewarding.

Courses focus on basic patient care, with supporting subjects in high acuity pathologies, biological sciences, humanities and EMS services. Clinical practice, planned concurrently with classes, emphasizes emergency care procedures. You will learn how to prevent or reduce complications in the care of the sick and injured during the prehospital phase of patient care. In addition to providing emergency medical care, you will be trained to identify and correct potential health and safety hazards.

### Program Highlights

- 2 years – 4 semesters
- 1 placement
- Extensive hands-on training in the safe transport of ill and injured patients through simulated drills and a clinical placement at a hospital or with an ambulance service
- Cambrian's PET Test will ensure your physical fitness level meets professional standards

### Fieldwork/Placement

You will have a rotation of clinical placement in area hospitals and in-town and out-of-town ambulance services. You must be prepared to cover the cost incurred in clinical and preceptorship in-town and out-of-town. You must be Educationally Certified by a provincial Medical Direction prior to preceptorship. You will be required to cover this cost.

### Registration to Practice

Upon completion of this program, you must be successful in a theoretical examination set by the Ministry of Health, Emergency Health Services Branch, Ontario in order to be certified as a Paramedic and thus, to be eligible to work in an ambulance service in Ontario. The cost for the examination process is the responsibility of the graduate.

### Limited Enrolment – 55 seats available

Please note that possession of the requirements does not guarantee admission. If the number of qualified applicants exceeds the number of places available in the program, the College reserves the right to select from among those applicants. All students applying by February 1 will be given equal consideration. Preference will be given to Ontario residents. Please see the Limited Enrolment F.A.Q.'s on our website under "How to Apply" for further details.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Health Sciences, Nursing, and Emergency Services (<http://cambriancollege.ca/field-of-study/health-sciences-nursing-emergency-services>)

## Admissions

### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

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

Please note: A minimum of 60% is required in each prerequisite course.

Recommended:

- computer competency in relevant software

Note: Cambrian College's Pre-Health Sciences (HLPG) program is the designed preferred preparatory program for admission to Cambrian College's limited enrolment Health Sciences programs. Limited enrolment programs are identified within the detailed program descriptions. The minimum GPA and grades required for successful admission will be determined by the quality and quantity of the applicant pool.

### Additional Requirements

- Current Standard First Aid Certificate
- Current CPR (HCP level)
- Must obtain a valid Ontario Class "F" driver's license prior to December 31 of the enrolled year.
- Criminal record check (Vulnerable Sector Screening included) to satisfy the requirements of the Ambulance Act (prior to Dec. 31 of enrolled year).
- Hepatitis B immunization and immunization status current
- Students are required to attend an information session prior to receiving final admission into the program. Although attendance is required, this session is not a pass/fail component. This session includes participation in fitness exercises, which will be at a reasonable additional cost to the student
- Applicants should have a good level of physical fitness, flexibility, and lifting strength. Physical fitness testing will be ongoing throughout the program. Students must meet the College's minimum requirements to graduate.

### Additional Information

Upon completion of this program, graduates must be successful in a theoretical examination set by the Ministry of Health, Emergency Health Services Branch, Ontario in order to be certified as a Paramedic and thus, to be eligible to work in an ambulance service in Ontario. The cost for the examination process is the responsibility of the graduate.

**APPLY NOW!** (<http://www.ontariocolleges.ca/apply>)

**Fall 2016**

**Program Delivery**

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018

## Course Descriptions

Semester 1		Credits
BIO 1107	Anatomy Physiology I	3
PAR 1100	Medico - Legal Aspects	2
PAR 1141	Patient Care Theory I	4
PAR 1002	Patient Care Procedures I	4
PAR 1242	Ambulance Operations	2
PSY 1106	Interpersonal Tactical Response	3
FIT 1101	Physical Fitness and Wellness	2
One of the following General Education courses:		3
BIO 1000	Fungus Among Us	3
SSC 1002	Thinking, Reasoning, Relating	3
Term Credits:		23
Semester 2		Credits
BIO 1207	Anatomy Physiology II	3
ENG 1121	Research Writing/Health Sciences	3
FIT 1201	Physical Fitness and Wellness	2
PAR 1200	Clinical Experience I	6
PAR 1241	Patient Care Theory II	4
PAR 1251	Principles of Pharmacology	2
SEC 2400	Conflict Management	3
PAR 1003	Patient Care Procedures II	4
One of the following General Education courses:		3
PSY 1003	Concurrent Disorders, Mental Health Addictions	3
SCI 1000	Issues and Ethics in Science	3
Term Credits:		30
Semester 3		Credits
ENG 1215	College Writing II	3
PAR 1004	Adv. Skills/Primary Care Para	5
PAR 1301	Independent Fitness Evaluation	1
PAR 1316	Ambulance Field Clinic Experience	9
PAR 1320	Adv Skills/Primary Care Para Theory	2
PAR 1335	Prof. Issues, Research Leadership	2
PAR 1341	Patient Care Theory III	4
PAR 1345	Lifting Competency Evaluation	1
PAR 1005	Patient Care Procedures III	4
The following General Education course:		3
GER 1200	Introduction To Gerontology	3
Term Credits:		34
Semester 4		Credits
PAR 1400	Ambulance Field Consolidation	20
PAR 1405	Paramedic Comprehensive Review	2
PAR 1410	Independent Study	3
Term Credits:		25
Total Credits:		112

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$6,989.70. Next year's tuition fees will be available by May 1, 2016.

### Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$2,000. This is the best information available at the time of publishing to the website and is subject to change.

### Graduate Options

### Employment Opportunities

Certified Paramedics may find appropriate employment in an ambulance service in Ontario, other provinces in Canada, or internationally.

### University Degree Opportunities

Graduates from this program may continue their studies at university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

### Other Opportunities

Graduates from Cambrian (who have successfully completed provincial certification) may also choose to apply directly into Cambrian's Advanced Care Flight Paramedic Program. Please refer to APPD for requirements.

## Contacts

### Derek McKinnon

Program Coordinator  
705-566-8101, ext 7222  
[derek.mckinnon@cambriancollege.ca](mailto:derek.mckinnon@cambriancollege.ca)

# PERSONAL SUPPORT WORKER (PSPG)

## Ontario College Certificate | 2 semesters | Barrydowne

An aging population, shorter hospital stays, and increased costs for long-term care are creating an increased demand for personal support workers (PSWs). Cambrian will prepare you to work as a PSW in just 8 months through clinical three practicums and hands-on training in the College's state-of-the-art simulation lab and nursing lab.

You will become prepared to assist clients with activities of daily living and contribute to the quality of life of individuals who live in a facility or community setting by promoting their independence, dignity, social, emotional and physical well-being, mobility, personal appearance, comfort, and safety.

As a graduate, you may be able to bridge into Cambrian's Practical Nursing program to further enhance your career options.

### Program Highlights

- 1 year – 2 semesters
- 3 placements: two in a long-term care setting or hospital and another in a community setting
- Hands-on training in the 1,200-square-foot PSW simulation lab, as well as the nursing lab
- Qualified graduates can bridge into the second semester of Cambrian's Practical Nursing program

### Fieldwork/Placement

You must complete 192 hours of supervised placement (PSW 1135 Supervised Practicum I & PSW 1256 Supervised Practicum II) in an approved long-term care facility and 60 hours of precepted placement (PSW 1255 Precepted Community Practicum) in a community home care agency.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Health Sciences, Nursing, and Emergency Services (<http://cambriancollege.ca/field-of-study/health-sciences-nursing-emergency-services>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

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

Recommended:

- any grade 12 Biology (C), (U), or (M)

### Additional Information

At registration students must provide:

- Proof of current immunization
- Proof (original certificate) of CPR HCP and Standard First Aid
- Original copy of an Adult Criminal Record Check with Vulnerable Sectors Check

Registered students must:

- Complete Cambrian College WHMIS, General Safety Awareness course (online approximately \$10)
- Details to be provided at the beginning of second semester
- Complete Cambrian College GPA course when offered by program prior to first placement. Details to be provided at orientation.

### Location

This program may also be offered through the Espanola (program code PSPE) or Little Current (program code PSPL) campus locations. For further information, please contact Judy Proux at (705) 368-3194 or (705) 869-4113.

**APPLY NOW!** (<http://www.ontariocolleges.ca/apply>)

**Fall 2016**

### Program Delivery

Semester 1 - Fall 2016

Semester 2 - Winter 2017

### Program of Study

Semester 1		Credits
ENG 1121	Research Writing/Health Sciences	3
PSW 1007	Health Promotion Practice I	4
PSW 1111	Human Relations	3
PSW 1113	Health Promotion Theory I	3
PSW 1135	Supervised Practicum I	6
PSW 1142	Lifespan Health I	2
PSW 1146	Foundations of PSW I	2
Term Credits:		23
Semester 2		Credits
PSW 1008	Health Promotion Practice II	4
PSW 1114	Health Promotion Theory II	3
PSW 1117	Pharmacology for PSW	2
PSW 1118	Foundations for PSW II	3
PSW 1009	Lifespan Health II	3
PSW 1255	Precepted Community Practicum	4
PSW 1256	Supervised Practicum II	6
PSW 1000	Technical Concepts Health Care	3
Term Credits:		28
Total Credits:		51

### Fees

#### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

## **Tuition Fee (International Students)**

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by April 1, 2016.

## **Books & Supplies**

The estimated cost of books and supplies for 2015-2016 is approximately \$1,600. This is the best information available at the time of publishing to the website and is subject to change.

## **Graduate Options**

### **Employment Opportunities**

Graduates of the Personal Support Worker program may find employment in a community setting, long-term care facilities, or hospital setting.

### **Furthering Your Studies**

Effective 2012, graduates of the Cambrian PSW program who maintain a 3.00 GPA may be eligible to bridge directly to the second semester of the Practical Nursing program provided there is capacity. To qualify for this opportunity, students will take a minimum number of pathway requirements to ensure all admission and first semester Practical Nursing learning outcomes are met. For more information, please contact the program coordinator.

## **Contacts**

### **Fern Gauthier**

Program Coordinator

705-566-8101, ext 6272

fern.gauthier@CambrianCollege.ca

# PERSONAL SUPPORT WORKER - ALTERNATE DELIVERY (PSAD)

## Ontario College Certificate | 3 semesters | Barrydowne and Online

Earn your Personal Support Worker (PSW) certificate through a blended learning experience that combines the comfort and convenience of learning from home with hands-on labs and clinical experiences during the summer months.

From September to April, you will be enrolled in the same theory courses as traditional onsite learners. You will acquire a foundation in how to assist clients with activities of daily living and how to contribute to the quality of life of individuals who live in a facility or community setting by promoting their independence, dignity, social, emotional and physical well-being, mobility, personal appearance and safety.

Upon successfully completing all theoretical components of the curriculum, you will attend eight final full-time weeks of study in May and June at the Barrydowne campus. All hands-on training will be delivered in Cambrian's state-of-the-art simulation and nursing labs, as well as various clinical placement settings throughout Greater Sudbury.

### Program Highlights

- 1 year – 3 semesters
- Courses delivered online and hands-on training completed on campus
- Three practicums: two in a long-term care setting or hospital and another in a community setting
- Curriculum meets the program standards as defined by the Ministry of Colleges, Training, and Universities

### Fieldwork/Placement

Students must complete 252 hours of supervised placement (PSW 1135 Supervised Practicum I & PSW 1256 Supervised Practicum II) in an approved long-term care facility and 100 hours of precepted placement (PSW 1255 Precepted Community Practicum) in a community home care agency.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Sciences, Nursing and Emergency Services (<http://cambriancollege.ca/field-of-study/health-sciences-nursing-emergency-services>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

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

Recommended:

- any grade 12 biology (C), (U), or (M)

### Additional Information

At registration, you must:

- Provide proof of current immunization
- Provide proof (original certificate) of CPR HCP and Standard First Aid
- Provide original copy of an Adult Criminal Record Check with vulnerable sectors check
- Provide proof of 30 hours volunteer work in an accredited long-term care facility

Once you are registered in the program, you must complete the Cambrian College WHMIS, General Safety Awareness course (online approximately \$10). Details will be provided at the beginning of second semester.

**APPLY NOW!** (<http://www.ontariocolleges.ca/apply>)

**Fall 2016**

### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Spring 2017

### Program of Study

Semester 1		Credits
ENG 1121	Research Writing/Health Sciences	3
PSW 1111	Human Relations	3
PSW 1113	Health Promotion Theory I	3
PSW 1142	Lifespan Health I	2
PSW 1146	Foundations of PSW I	2
Term Credits:		13
Semester 2		
PSW 1000	Technical Concepts Health Care	3
PSW 1009	Lifespan Health II	3
PSW 1114	Health Promotion Theory II	3
PSW 1117	Pharmacology for PSW	2
PSW 1118	Foundations for PSW II	3
Term Credits:		14
Semester 3		
PSW 1007	Health Promotion Practice I	4
PSW 1008	Health Promotion Practice II	4
PSW 1135	Supervised Practicum I	6
PSW 1255	Precepted Community Practicum	4
PSW 1256	Supervised Practicum II	6
Term Credits:		24
Total Credits:		51

### Fees

#### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,840.48 for three semesters of study. Next year's tuition fees will be available May 1, 2016.

## **Tuition Fee (International Students)**

The tuition fee for the 2014-2015 academic year is \$13,327.00 for two semesters of study. Some exceptions apply. Next year's tuition fees will be available May 1, 2015.

## **Books & Supplies**

The estimated cost of books and supplies for 2015-2016 is approximately \$1,600. This is the best information available at the time of publishing to the website and is subject to change.

## **Graduate Options**

### **Employment Opportunities**

Graduates of the Personal Support Worker Program may find employment in a community setting, long-term care facility or hospital setting.

### **Furthering Your Studies**

For continued personal and professional development, graduates may also be eligible for advanced standing in Cambrian's Practical Nursing program.

## **Contacts**

### **Fern Gauthier**

Program Coordinator

705-566-8101, ext 6272

[fern.gauthier@cambriancollege.ca](mailto:fern.gauthier@cambriancollege.ca)

# PERSONAL SUPPORT WORKER - ESPANOLA (PSPE)

## Ontario College Certificate | 2 semesters | Española

An aging population, shorter hospital stays, and increased costs for long-term care are creating an increased demand for personal support workers (PSWs). Cambrian will prepare you to work as a PSW in just 8 months through clinical three practicums and hands-on training in the College's state-of-the-art simulation lab and nursing lab.

You will become prepared to assist clients with activities of daily living and contribute to the quality of life of individuals who live in a facility or community setting by promoting their independence, dignity, social, emotional and physical well-being, mobility, personal appearance, comfort, and safety.

As a graduate, you may be able to bridge into Cambrian's Practical Nursing program to further enhance your career options.

### Program Highlights

- 1 year – 2 semesters
- 3 placements: two in a long-term care setting or hospital and another in a community setting
- Hands-on training in the 1,200-square-foot PSW simulation lab, as well as the nursing lab
- Qualified graduates can bridge into the second semester of Cambrian's Practical Nursing program

### Fieldwork/Placement

You must complete 192 hours of supervised placement (PSW 1135 Supervised Practicum I & PSW 1256 Supervised Practicum II) in an approved long-term care facility and 60 hours of precepted placement (PSW 1255 Precepted Community Practicum) in a community home care agency.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Health Sciences, Nursing, and Emergency Services (<http://cambriancollege.ca/field-of-study/health-sciences-nursing-emergency-services>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

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

Recommended:

- any grade 12 biology (C), (U), or (M)

### Additional Information

At registration students must provide:

- Proof of current immunization
- Proof (original certificate) of CPR HCP and Standard First Aid
- Original copy of an Adult Criminal Record Check with Vulnerable Sectors Check

Registered students must:

- Complete Cambrian College WHMIS, General Safety Awareness course (online approximately \$10)
- Details to be provided at the beginning of second semester
- Complete Cambrian College GPA course when offered by program prior to first placement. Details to be provided at orientation.

**APPLY NOW!** (<http://www.ontariocolleges.ca/apply>)

### Fall 2016

#### Program Delivery

##### Winter 2016

Semester 1 - Winter 2016

Semester 2 - Spring 2016

##### Fall 2016

Semester 1 - Fall 2016

Semester 2 - Winter 2017

### Program of Study

Semester 1		Credits
ENG 1121	Research Writing/Health Sciences	3
PSW 1007	Health Promotion Practice I	4
PSW 1111	Human Relations	3
PSW 1113	Health Promotion Theory I	3
PSW 1135	Supervised Practicum I	6
PSW 1142	Lifespan Health I	2
PSW 1146	Foundations of PSW I	2
Term Credits:		23
Semester 2		
PSW 1008	Health Promotion Practice II	4
PSW 1009	Lifespan Health II	3
PSW 1114	Health Promotion Theory II	3
PSW 1117	Pharmacology for PSW	2
PSW 1118	Foundations for PSW II	3
PSW 1255	Precepted Community Practicum	4
PSW 1256	Supervised Practicum II	6
PSW 1000	Technical Concepts Health Care	3
Term Credits:		28
Total Credits:		51

### Fees

#### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.



## **Tuition Fee (International Students)**

The tuition fee for the 2015-2016 academic year is \$1614.00 for two semesters of study. Next year's tuition fees will be available by April 1, 2016.

## **Books & Supplies**

The estimated cost of books and supplies for 2015-2016 is approximately \$1,600. This is the best information available at the time of publishing to the website and is subject to change.

## **Graduate Options**

### **Employment Opportunities**

Graduates of the Personal Support Worker program may find employment in a community setting, long-term care facilities, or hospital setting.

## **Furthering Your Studies**

Effective 2012, graduates of the Cambrian PSW program who maintain a 3.00 GPA may be eligible to bridge directly to the second semester of the Practical Nursing Program provided there is capacity. To qualify for this opportunity, students will take a minimum number of pathway requirements to ensure all admission and first semester Practical Nursing learning outcomes are met. For more information, please contact the program coordinator.

## **Contacts**

**Judy Proux**

Program Coordinator

705-869-4113

[judy.proux@cambriancollege.ca](mailto:judy.proux@cambriancollege.ca)

# PERSONAL SUPPORT WORKER - LITTLE CURRENT (PSPL)

## Ontario College Certificate | 2 semesters | Little Current

An aging population, shorter hospital stays, and increased costs for long-term care are creating an increased demand for personal support workers (PSWs). Cambrian will prepare you to work as a PSW in just 8 months through clinical three practicums and hands-on training in the College's state-of-the-art simulation lab and nursing lab.

You will become prepared to assist clients with activities of daily living and contribute to the quality of life of individuals who live in a facility or community setting by promoting their independence, dignity, social, emotional and physical well-being, mobility, personal appearance, comfort, and safety.

As a graduate, you may be able to bridge into Cambrian's Practical Nursing program to further enhance your career options.

### Program Highlights

- 1 year – 2 semesters
- 3 placements: two in a long-term care setting or hospital and another in a community setting
- Hands-on training in the 1,200-square-foot PSW simulation lab, as well as the nursing lab
- Qualified graduates can bridge into the second semester of Cambrian's Practical Nursing program

### Fieldwork/Placement

You must complete 192 hours of supervised placement (PSW 1135 Supervised Practicum I & PSW 1256 Supervised Practicum II) in an approved long-term care facility and 60 hours of precepted placement (PSW 1255 Precepted Community Practicum) in a community home care agency.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Health Sciences, Nursing, and Emergency Services (<http://cambriancollege.ca/field-of-study/health-sciences-nursing-emergency-services>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

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

Recommended:

- any grade 12 biology (C), (U), or (M)

#### Additional Information

At registration students must provide:

- Proof of current immunization
- Proof (original certificate) of CPR HCP and Standard First Aid
- Original copy of an Adult Criminal Record Check with Vulnerable Sectors Check

Registered students must:

- Complete Cambrian College WHMIS, General Safety Awareness course (online approximately \$10)
- Details to be provided at the beginning of second semester
- Complete Cambrian College GPA course when offered by program prior to first placement. Details to be provided at orientation.

**APPLY NOW!** (<http://www.ontariocolleges.ca/apply>)

**Fall 2016**

### Program Delivery

Semester 1 - Fall 2016

Semester 2 - Winter 2017

### Program of Study

Semester 1		Credits
ENG 1121	Research Writing/Health Sciences	3
PSW 1007	Health Promotion Practice I	4
PSW 1111	Human Relations	3
PSW 1113	Health Promotion Theory I	3
PSW 1135	Supervised Practicum I	6
PSW 1142	Lifespan Health I	2
PSW 1146	Foundations of PSW I	2
Term Credits:		23
Semester 2		
PSW 1008	Health Promotion Practice II	4
PSW 1009	Lifespan Health II	3
PSW 1114	Health Promotion Theory II	3
PSW 1117	Pharmacology for PSW	2
PSW 1118	Foundations for PSW II	3
PSW 1255	Precepted Community Practicum	4
PSW 1256	Supervised Practicum II	6
PSW 1000	Technical Concepts Health Care	3
Term Credits:		28
Total Credits:		51

### Fees

#### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

#### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$1614.00 for two semesters of study. Next year's tuition fees will be available by April 1, 2016.

## **Books & Supplies**

The estimated cost of books and supplies for 2015-2016 is approximately \$1,600. This is the best information available at the time of publishing to the website and is subject to change.

## **Graduate Options**

### **Employment Opportunities**

Graduates of the Personal Support Worker program may find employment in a community setting, long-term care facilities, or hospital setting.

## **Furthering Your Studies**

Effective 2012, graduates of the Cambrian PSW program who maintain a 3.00 GPA may be eligible to bridge directly to the second semester of the Practical Nursing Program provided there is capacity. To qualify for this opportunity, students will take a minimum number of pathway requirements to ensure all admission and first semester Practical Nursing learning outcomes are met. For more information, please contact the program coordinator.

## **Contacts**

### **Judy Proulx**

Program Coordinator

705-869-4113

[judy.proulx@cambriancollege.ca](mailto:judy.proulx@cambriancollege.ca)

# PHYSICAL FITNESS MANAGEMENT (FLBU)

## Ontario College Advanced Diploma | 6 semesters | Barrydowne | Capped Enrolment

People are living longer than ever before and are increasingly concerned about maintaining their health and physical fitness. This program will provide you a blend of fitness education and business principles in order to effectively serve, motivate, and counsel diverse clients. Whether you want to work for a fitness or recreation facility or start your own business, you'll have the skills and knowledge to change and inspire the lives of others through a strong understanding of physical exercise techniques, proper nutrition, and the mental obstacles individuals may need to overcome to achieve their goals.

Our indoor facilities include a fully-equipped weight room, cardio room, multi-purpose room, squash courts, double gymnasium, and stretching area. You will also have exclusive access to a state-of-the-art multi-purpose/functional fitness and assessment laboratory to master your personal training skills on new and traditional equipment. Outdoor facilities include running track, soccer/football field, baseball diamond, and beach volleyball courts.

### Program Highlights

- 3 years – 6 semesters
- 15-week co-op term in semester four or five
- 90 hours of volunteer placements throughout the length of the program gives you opportunities to work with community sports organizations, special populations, and personal training clients
- CSEP-CPT certification content embedded into the curriculum so you can apply for the Gold Standard in exercise science and personal training certifications before graduation
- OFT-PFT certification is built into curriculum so you can earn certification through your coursework and be recognized as a personal trainer internationally.
- Free access to Cambrian's Athletics Centre (for full-time students)

### Co-op Work Term/Fieldwork

You are required to complete a 15-week co-operative work term prior to graduation. The work term provides you with the opportunity to apply classroom studies to an actual work situation, gain extensive practical, on-the-job training, and potentially earn a salary while doing so. Tuition fees are levied for the co-op work term. Although you receive assistance from the coordinators, it is sole your responsibility to secure a co-op work term. You have the option of completing the co-op work term at the end of semester 4 or 5 as long as you meet academic requirements.

You must also complete approximately 90 hours of volunteer fieldwork as a requirement of courses in first, second, and third year. Placement opportunities include working with community partners, sports organizations, individuals within specific population groups, and personal training clients.

### 4D Learning Opportunities

Peru trip, 2015 – Students led nutrition and fitness projects for young children in Peru.

Cambodia trip, 2013 – Students travelled to Cambodia to build bikes for underprivileged children.

Personal training on campus – You can put your skills and knowledge to the test as a personal trainer for Cambrian students, staff or faculty.

### Capacity - 60 seats available

There are limited seats available in this program.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Health Sciences, Nursing, and Emergency Services (<http://cambriancollege.ca/field-of-study/health-sciences-nursing-emergency-services>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

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

Recommended:

- any grade 11 or 12 health and physical education (e.g., PLF4C, PPL40) or exercise science (e.g., PSE4U)

#### Additional Requirements

This program includes a physical fitness component and requires that students perform cardio-respiratory endurance, muscular strength and endurance, and flexibility exercises. Additional activities include aerobics, team sports, and racquet sports. Students must, therefore, complete a Physical Activity Readiness Questionnaire for Everyone (PAR-Q+) and/or a Physical Activity Readiness Medical Examination (PARMED-X) and an Informed Consent form prior to entrance into the program. Prospective students with health-related concerns that may affect their participation in the program are encouraged to discuss their career goals with the program coordinator.

#### Additional Information

Field placement agencies and co-op employers may require that First Aid/CPR and a criminal record check be obtained prior to placements or co-op work terms. A criminal record check (CPIC) can be completed by local police departments, and First Aid/CPR certification can be obtained through either St. John's Ambulance or Canadian Red Cross. These requirements can be obtained prior to or during the program. **It is highly recommended that students have up-to-date immunizations.**

**APPLY NOW!** (<http://www.ontariocolleges.ca/apply>)

**Fall 2016**

#### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018

Semester 5 - Fall 2018  
Semester 6 - Winter 2019

FLM 2700	Coop Work Term I	12
Term Credits:		12
Total Credits:		119

## Program of Study

### Semester 1

		Credits
BIO 1009	Applied Anatomy Kinesiology I	4
ENG 1002	College Communication	3
FLM 1101	Mental Training For Exercise	3
FLM 1150	Group Exercise and Wellness	4
FLM 1225	Leisure Leadership	4
The following General Education course:		3
SSC 1002	Thinking, Reasoning, Relating	3
Term Credits:		21

### Semester 2

BIO 1007	Applied Anatomy Kinesiology II	4
ENG 1200	Effective Presentation Skills	3
FLM 1250	Circuit/Resistance Training I	4
FLM 2400	Nutrition	4
FLM 1275	Stress Management	4
Term Credits:		19

### Semester 3

ACC 1220	Business Records	3
FLM 2316	Physiology Of Exercise	5
FLM 2350	Resistance Training II	4
FLM 2421	Job Search Career Planning	2
FLM 3505	Program and Event Management	4
PSY 2700	Client Comm. Leadership Develop	3
One of the following General Education courses:		3
PSY 1003	Concurrent Disorders, Mental Health Addictions	3
PSY 1125	Positive Psychology	3
Term Credits:		24

### Semester 4

FLM 3410	Leisure and Recreation Trends	4
FLM 2440	Fitness Appraisal/Training I	4
FLM 1002	Fitness For Youth	4
FLM 3640	Facilities Management	4
MKT 1100	Introduction To Marketing I	4
One of the following General Education courses:		3
GER 1200	Introduction To Gerontology	3
SCI 1001	Human Sexuality	3
Term Credits:		23

### Semester 5

FLM 2446	Fitness Appraisal/Training II	5
FLM 3400	Sport Injuries Ex. Therapy	4
FLM 3500	Ex. For Special Populations	4
MKT 3645	Advertising Sales Promotion	3
FLM 1003	Team Sports Leadership	4
Term Credits:		20

### Semester 6

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Some exceptions apply. Next year's tuition fees will be available May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$1 000. This is the best information available at the time of publishing to the website and is subject to change.

## Graduate Options

### Employment Opportunities

Graduates may seek employment with:

- Retail fitness and sport stores
- Public, private, and corporate fitness and health clubs (as trainers, supervisors/managers)
- Municipal recreation and leisure service organizations
- Sport and special event coordinators
- Rehabilitation clinics (as exercise therapists or physiotherapy assistants)
- Sports clubs and camps
- Government-funded health and fitness programs (e.g. military, senior centre fitness instructor)
- Tourism industry (e.g. fitness leaders for resorts, cruise liners)
- Corporate wellness consultants
- Entrepreneur

Graduates may also choose to start their own business.

## University Degree Opportunities

Graduates from this program may continue their studies at university and receive credit for their College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

## Contacts

### Martin Dubuc

Program Coordinator  
705-566-8101, ext 6243  
martin.dubuc@cambriancollege.ca

# POLICE FOUNDATIONS (PFPG)

## Ontario College Diploma | 4 semesters | Barrydowne

Cambrian's blend of in-class assignments, scenario training, fitness components, and community work complement topics covered by the Ontario Police College and assist in preparing you for potential employment with a police service.

Extensive involvement in community initiatives, training with the Ontario Provincial Police, and participation in crime prevention projects with the Greater Sudbury Police Service offer you opportunities to network and volunteer within the community alongside working professionals. Further interaction with currently serving officers is provided as all local police agencies are represented within the program's part-time faculty.

Also, your theoretical knowledge will continually be put into practice in the program's scenario room where you are required to perform practical demonstrations, and various physical fitness courses and testing procedures that simulate industry testing are offered in each semester, providing opportunities to practice meeting requirements of applicant testing.

### Program Highlights

- 2 years – 4 semesters
- Field trips to correctional institutions
- Guest speakers from municipal, provincial, and national law enforcement agencies
- Physical fitness integrated throughout the program to prepare you for the police academy fitness test
- Hands-on training in Cambrian's scenario room that includes three replica jail cells
- Community policing opportunities where you'll work alongside the Greater Sudbury Police Service in the community
- Fast-track options to complete other Cambrian Justice programs when you graduate

### 4D Learning Opportunities

Cambrian College Community Justice Association (CCCJA) – Join this volunteer, student-run organization and get hands-on experience working for various community and organizations while making valuable industry connections.

Teddy Bear Picnic Fundraiser – Each year Police Foundations students run the Teddy Bear Picnic, where donated teddy bears are auctioned off to raise funds for pediatric research.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Law and Justice (<http://cambriancollege.ca/field-of-study/law-and-justice>)

### Admissions

### Admission Requirements

For graduates of the new curriculum (OSS): 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)

Recommended:

- Grade 11 physical education (O)
- Computer competency in relevant software

### Additional Information

- A criminal record check may be required for volunteer initiatives.

**APPLY NOW!** (<http://ontariocolleges.ca/apply>)

### Fall 2016

### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018

### Program of Study

Semester 1		Credits
FIT 1500	Physical Fitness And Wellness I	3
ENG 1002	College Communication	3
LAW 1010	Canadian Criminal Justice	3
PFP 1065	Community Policing I	2
POL 1500	Canadian Political Studies	3
PSY 1050	Introduction To Psychology I	3
SOC 1000	Introduction To Sociology	3
The following General Education course:		3
SSC 1000	Media and Current Events	3
Term Credits:		23
Semester 2		Credits
ENG 1126	Commun. Skills/Justice Students I	3
FIT 1501	Physical Fitness Wellness II	2
LAW 1105	Ethics Diversity Issues	3
LAW 3050	Youth In Conflict With Law	3
PFP 3010	Criminal And Civil Law	3
PSY 1106	Interpersonal Tactical Response	3
One of the following General Education courses:		3
BUS 1008	Personal Finance	3
BUS 1015	Negotiation Labour Relations	3
GER 2310	Dementia	3
PSY 1125	Positive Psychology	3
SCI 1001	Human Sexuality	3
SOC 1007	Intro to Indigenous Studies	3
Term Credits:		20
Semester 3		Credits
FIT 1502	Physical Fit Wellness III	2
PFP 3020	Criminal Code	3
PFP 3030	Police Powers	3
PFP 3040	Interviewing And Investigation	3
PFP 3065	Community Policing II	2

PSY 1003	Concurrent Disorders, Mental Health Addictions	3
SOC 1210	Introduction To Criminology	3
One of the following General Education courses:		3
SCI 1001	Human Sexuality	3
GER 2310	Dementia	3
BUS 1008	Personal Finance	3
BUS 1015	Negotiation Labour Relations	3
PSY 1125	Positive Psychology	3
SOC 1007	Intro to Indigenous Studies	3
Term Credits:		22
<b>Semester 4</b>		
FIT 1503	Physical Fitness Wellness IV	2
PFP 1000	Career Options in Policing	3
PFP 4010	Provincial Offences	3
PFP 4020	Criminal Code And Federal Statutes	3
PFP 4040	Investigations And Evidence	3
PFP 4050	Conflict Management	3
PFP 4065	Community Policing III	3
PFP 4070	Traffic Management I II	3
Term Credits:		23
Total Credits:		88

## University Degree Opportunities

Graduates from this program may continue their studies at university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

## Contacts

**David Lalonde**  
 Program Coordinator  
 705-566-8101, ext 6489  
[david.lalonde@cambriancollege.ca](mailto:david.lalonde@cambriancollege.ca)

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$1,200 for first year. This is the best information available at the time of publishing to the website and is subject to change.

## Graduate Options

### Employment Opportunities

Cambrian College has been offering programs in law enforcement for 40 years. As an established postsecondary institution, Cambrian College is well recognized by employers. Our graduates may find employment with municipal, provincial, and federal police forces. Graduates may also find employment in:

- Areas of corrections
- Youth work
- Private investigation
- Insurance investigation
- Military police
- Customs and excise



# POWER ENGINEERING TECHNICIAN (PWTN)

## Ontario College Diploma | 4 semesters | Barrydowne | Capped Enrolment

A registered 2nd Class power plant training facility on campus. Curriculum that is endorsed by the Technical Standards and Safety Authority (TSSA). The only program of its kind in northern Ontario. Just a few of the reasons Cambrian's Power Engineering Technician program is in high demand.

You'll gain knowledge and skills in all aspects of power plant operation and maintenance, both theoretical and practical, at the 4th Class level in first year and at the 3rd Class level in second year. Theoretical concepts discussed in class are further explained and illustrated in the College's Power Plant Training Facility – a registered 2nd Class plant where you will help to operate and maintain working equipment in a safe and efficient manner.

Subjects of instruction closely follow the Standardized Power Engineers Examination Committee (SOPEEC) syllabus and help prepare you to challenge the Technical Standards and Safety Authority (TSSA) examinations required for 4th Class and 3rd Class certifications as an Operating Engineer.

This program has been officially recognized and approved by the Technical Standards and Safety Authority. This will grant a qualifying time reduction to you upon successful completion of the program.

## Program Highlights

- 2 years – 4 semesters
- Program endorsed by the Technical Standards and Safety Authority (TSSA)
- One of only four colleges in Ontario to offer this program (only college in northern Ontario)
- Hands-on training in Cambrian's 2nd Class power plant
- Grads are eligible to challenge the TSSA examinations for 3rd Class certification as an Operating Engineer

## Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Skills and Trades Training (<http://cambriancollege.ca/field-of-study/skills-and-trades-training>)

## Admissions

### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

- Any grade 12 English (C), (U), or (M)
- Any grade 12 mathematics (C) or (U) (MCT4C is highly recommended)

Recommended:

- Any grade 11 science or technical course (C), (U), or (M)

## APPLY NOW! (<http://ontariocolleges.ca/apply>)

### Fall 2016

### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018

### Course Descriptions

Semester 1		Credits
PEG 1108	Power Plant Operation I	11
PEG 1115	Applied Science	3
PEG 1121	Boilers Auxiliaries I	2
PEG 1126	Safety Administration I	2
PEG 1215	Applied Chemistry I	2
The following General Education course:		3
BUS 1008	Personal Finance	3
Term Credits:		23
<b>Semester 2</b>		
PEG 1220	Heating, Refrig./Gas Compression I	3
PEG 1225	Electricity Control Systems I	3
PEG 1231	Power Plant Operations II	11
PEG 1235	Prime Movers I	3
ENG 1002	College Communication	3
Term Credits:		23
<b>Semester 3</b>		
ENG 1780	Applied Communication II	2
PEG 2325	Math, Physics Thermodynamics	4
PEG 2330	Power Plant Operation III	4
PEG 2420	Electricity Control Systems II	4
PEG 2430	Safety Administration II	4
One of the following General Education courses:		3
BUS 1015	Negotiation Labour Relations	3
CET 1003	Cybernation	3
MUS 1009	Rock Music, Culture Technology	3
PSY 1001	Psychology of Evil	3
SCI 1000	Issues and Ethics in Science	3
Term Credits:		21
<b>Semester 4</b>		
PEG 2310	Applied Chemistry II	2
PEG 2315	Heating, Refrig. Gas Comp. II	4
PEG 2321	Boilers and Auxiliaries II	3
PEG 2426	Prime Movers II	3
PEG 2442	Power Plant Operation IV	4
One of the following General Education courses:		3
BUS 1015	Negotiation Labour Relations	3
CET 1003	Cybernation	3
MUS 1009	Rock Music, Culture Technology	3
PSY 1001	Psychology of Evil	3

SCI 1000	Issues and Ethics in Science	3
Term Credits:		19
Total Credits:		86

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$1,400. This is the best information available at the time of publishing to the website and is subject to change.

## Graduate Options

### Furthering Your Studies

Students successfully completing the Power Engineering Technician program and obtaining a valid 3rd Class Operating Engineering certificate may enter directly into the Power Engineering Technology program.

## Employment Opportunities

Graduates may find employment in industrial and non-industrial settings having power plants or boiler rooms registered by the government and requiring services of a certified operating engineer. These settings may be located in:

- Manufacturing plants
- Cogeneration facilities
- Mining operations
- Pulp and paper mills
- Hospitals
- District heating plants

## University Degree Opportunities

Graduates from this program may continue their studies at university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

## Contacts

### Robert Baker

Program Coordinator

705-566-8101, ext 7471

robert.baker@cambriancollege.ca

# POWER ENGINEERING TECHNIQUES (PETQ)

## Ontario College Certificate | 2 semesters | Barrydowne | Limited Enrolment

A registered 2nd Class power plant training facility on campus. Curriculum that is endorsed by the Technical Standards and Safety Authority (TSSA). The only program of its kind in northern Ontario. Just a few of the reasons Cambrian's Power Engineering Techniques program is in high demand.

You'll be introduced to all aspects of power plant operation and maintenance, both theoretical and practical, at the 4th Class level. Theoretical concepts discussed in class are further explained and illustrated in the College's Power Plant Training Facility - a registered 2nd Class plant where you will help to operate and maintain working equipment in a safe and efficient manner. Subjects of instruction closely follow the Standardized Power Engineers Examination Committee (SOPEEC) syllabus and help prepare you to challenge the Technical Standards and Safety Authority (TSSA) examinations required for 4th Class certification as an Operating Engineer.

This program has been officially recognized and approved by the Technical Standards and Safety Authority. This will grant a qualifying time reduction to you upon successful completion of the program.

### Program Highlights

- 1 year – 2 semesters
- Program endorsed by the Technical Standards and Safety Authority (TSSA)
- One of only two colleges in Ontario to offer this program
- Hands-on training in Cambrian's 2nd Class power plant
- Grads are eligible to challenge the TSSA examinations for 4th Class certification as an Operating Engineer

### Limited Enrolment – 60 seats available

Please note that possession of the requirements does not guarantee admission. If the number of qualified applicants exceeds the number of places available in the program, the College reserves the right to select from among those applicants. All students applying by February 1 will be given equal consideration. Preference will be given to Ontario residents. Please see the Limited Enrolment F.A.Q.'s on our website under "How to Apply" for further details.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Skills and Trades Training (<http://cambriancollege.ca/field-of-study/skills-and-trades-training>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

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

- Any grade 12 mathematics (C) or (U) (MCT4C is highly recommended)

Recommended:

- Any grade 11 science or technical course (C), (U), or (M)

## APPLY NOW! (<http://ontariocolleges.ca/apply>) Fall 2016

### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017

### Program of Study

Semester 1		Credits
PEG 1108	Power Plant Operation I	11
PEG 1115	Applied Science	3
PEG 1121	Boilers Auxiliaries I	2
PEG 1126	Safety Administration I	2
PEG 1215	Applied Chemistry I	2
The following General Education course:		3
BUS 1008	Personal Finance	3
Term Credits:		23
Semester 2		
ENG 1002	College Communication	3
PEG 1220	Heating, Refrig./Gas Compression I	3
PEG 1225	Electricity Control Systems I	3
PEG 1231	Power Plant Operations II	11
PEG 1235	Prime Movers I	3
Term Credits:		23
Total Credits:		46

### Fees

#### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

#### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

### Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$2,000. This is the best information available at the time of publishing to the website and is subject to change.

### Graduate Options

#### Employment Opportunities

Graduates may find employment in industrial and non-industrial settings having power plants or boiler rooms registered by the government and requiring the services of a Certified Operating Engineer. These settings may be located in:

- Manufacturing plants

- Cogeneration facilities
- Mining operations
- Pulp and paper mills
- Hospitals
- Electrical generation plants

Also, many non-registered plants located in highrise and office buildings employ power engineers to operate and maintain their complex heating and cooling systems.

## **Contacts**

### **Robert Baker**

Program Coordinator

705-566-8101, ext 7471

robert.baker@cambriacollege.ca

# POWER ENGINEERING TECHNOLOGY (PWTY)

## Ontario College Advanced Diploma | 7 semesters | Barrydowne and Online | Capped Enrolment

A registered 2nd Class power plant training facility on campus. Curriculum that is endorsed by the Technical Standards and Safety Authority (TSSA). The only program of its kind in northern Ontario. Just a few of the reasons to take Cambrian's Power Engineering Technology program.

This program will help you maximize your career opportunities by preparing to challenge the TSSA 2nd Class Operating Engineering exam. It will also prepare you for supervisory and management of both power plant systems and personnel. You'll gain knowledge and skills in all aspects of power plant operation and maintenance, both theoretical and practical, at the 4th Class level in first year, the 3rd Class level in second year, and the 2nd Class level in your final year.

Theoretical concepts discussed in class are further explained and illustrated in the College's Power Plant Training Facility – a registered 2nd Class plant where you will help to operate and maintain working equipment in a safe and efficient manner.

The third year is delivered as a combination of online courses and classroom experiences. This delivery alternative gives students the flexibility to learn from the convenience of their home communities.

Subjects of instruction closely follow the Standardized Power Engineers Examination Committee (SOPEEC) syllabus and help prepare you to challenge the Technical Standards and Safety Authority (TSSA) examinations required for 4th Class, 3rd Class, and 2nd Class certifications as an Operating Engineer.

This program has been officially recognized and approved by the Technical Standards and Safety Authority. This will grant a qualifying time reduction to you upon successful completion of the program.

### Program Highlights

- 3 years – 6 semesters
- Final year consists of 45 weeks over three semesters (fall, winter, spring)
- Final year is offered completely online
- Program endorsed by the Technical Standards and Safety Authority (TSSA)
- The only college in Ontario to offer this program
- Hands-on training in Cambrian's 2nd Class power plant
- Advanced level courses operations of power plants, technical reports, and aspects of management that comply with the Standardized Power Engineers Examination Committee (SOPEEC) 2005 2nd Class syllabus
- Grads are eligible to challenge the TSSA examinations for 2nd Class certification as an Operating Engineer (students can challenge 4th Class and 3rd Class certifications as an Operating Engineer after completing the first and second years of this program, respectively)

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Skills and Trades Training (<http://cambriancollege.ca/field-of-study/skills-and-trades-training>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

- Any grade 12 English (C), (U), or (M)
- Any grade 12 mathematics (C) or (U) (MCT4C is highly recommended)

Recommended:

- Any grade 11 science or technical course (C), (U), or (M)

**APPLY NOW!** (<http://ontariocolleges.ca/apply>)

### Fall 2016

#### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018  
Semester 5 - Fall 2018  
Semester 6 - Winter 2019  
Semester 7 - Spring 2019

### Course Descriptions

Semester 1		Credits
PEG 1108	Power Plant Operation I	11
PEG 1115	Applied Science	3
PEG 1121	Boilers Auxiliaries I	2
PEG 1126	Safety Administration I	2
PEG 1215	Applied Chemistry I	2
The following General Education course:		3
BUS 1008	Personal Finance	3
Term Credits:		23
Semester 2		Credits
PEG 1220	Heating, Refrig./Gas Compression I	3
PEG 1225	Electricity Control Systems I	3
PEG 1231	Power Plant Operations II	11
PEG 1235	Prime Movers I	3
ENG 1002	College Communication	3
Term Credits:		23
Semester 3		Credits
ENG 1780	Applied Communication II	2
PEG 2325	Math, Physics Thermodynamics	4
PEG 2330	Power Plant Operation III	4
PEG 2420	Electricity Control Systems II	4
PEG 2430	Safety Administration II	4
One of the following General Education courses:		3

BUS 1015	Negotiation Labour Relations	3
CET 1003	Cybernation	3
MUS 1009	Rock Music, Culture Technology	3
PSY 1001	Psychology of Evil	3
SCI 1000	Issues and Ethics in Science	3
Term Credits:		21
<b>Semester 4</b>		
PEG 2310	Applied Chemistry II	2
PEG 2315	Heating, Refrig. Gas Comp. II	4
PEG 2321	Boilers and Auxiliaries II	3
PEG 2426	Prime Movers II	3
PEG 2442	Power Plant Operation IV	4
One of the following General Education courses:		3
BUS 1015	Negotiation Labour Relations	3
CET 1003	Cybernation	3
MUS 1009	Rock Music, Culture Technology	3
PSY 1001	Psychology of Evil	3
SCI 1000	Issues and Ethics in Science	3
Term Credits:		19
<b>Semester 5</b>		
PEG 1000	Applied Mechanics	3
PEG 1001	Metallurgy Testing of Materials	2
PEG 3525	Thermodynamics	4
PEG 3530	Indust. Admin Code Calculations	4
PEG 3541	Power Plant Operations V	3
TEC 3501	Technical Report Research	1
Term Credits:		17
<b>Semester 6</b>		
PEG 3610	Industrial Water Treatment	4
PEG 3620	Boilers Auxiliaries III	4
PEG 3625	Prime Movers III	4
PEG 3630	Piping Systems Mechanical Drawing	4
PEG 3641	Power Plant Operations VI	3
TEC 3601	Technical Report	1
Term Credits:		20
<b>Semester 7</b>		
PEG 3712	Fuels Combust. Envir. Protection	4
PEG 3715	Refrigeration Gas Compression	4
PEG 3722	Electrotechnology	4
PEG 3725	Power Plant Systems Controls	4
Term Credits:		16
Total Credits:		139

## Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$19,927.50 for three semesters of study. Some exceptions apply. Next year's tuition fees will be available May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$1,100. This is the best information available at the time of publishing to the website and is subject to change.

## Graduate Options

### Employment Opportunities

Graduates may find employment in industrial and non-industrial settings having power plants or boiler rooms registered by the Technical Standards & Safety Authority and requiring the services of a certified operating engineer. These settings may be located in:

- Manufacturing plants
- Cogeneration facilities
- Pulp and paper mills
- Hospitals
- District heating plants
- Factories

Also, many non-registered plants located in high rise and commercial buildings employ power engineers to operate and maintain their complex heating and cooling systems. Typically, graduates who have completed studies to this level of Power Engineering may find employment in supervisory positions within the industry.

## Contacts

**Robert Baker**  
 Program Coordinator  
 705-566-8101, ext 7471  
 robert.baker@CambrianCollege.ca

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$7,633.70 for three semesters of study. Next year's tuition fees will be available May 1, 2016.

# POWERLINE TECHNICIAN (PLTN)

## Ontario College Diploma | 4 semesters | Barrydowne | Limited Enrolment

With Cambrian's on-campus outdoor training field, industry-experienced faculty, and track record as the longest-running Powerline Technician program in Ontario, as a Cambrian grad, you'll be prepared to take on the demands of this dynamic industry in any type of weather condition at any time.

You will learn to work safely in the various areas of the trade and acquire skills in the drafting, design, construction, maintenance, and repair of powerline systems including:

- Transmission lines
- Overhead and underground distribution
- Communication networks
- Electrical power stations

You also have the option to begin an apprenticeship while earning your diploma.

### Program Highlights

- 2 years – 4 semesters
- Start in September or January
- Co-op Diploma Apprenticeship option
- Real-world, hands-on training year round in the College's outdoor powerline field located on campus
- Program is completely tailored to Powerline students, including electrical courses
- Partnership with the Infrastructure Health and Safety Association allows you to take industry certificate courses prior to starting your co-op and to network with industry members

### 4D Learning Opportunities

Science North Festival of Lights – Each year, our students help set up more than 300 light displays at Science North in Sudbury for the community to enjoy.

### Co-op Diploma Apprenticeship Option

If you wish to work as a journeyman, you will be provided an option to register as Powerline Technician Apprentices with the Ministry of Training, Colleges and Universities (MTCU). You will be required to complete level 1 and 2 in-school training through the Infrastructure Health and Safety Association and will be required to pay a portion of the cost of the in-school training (approximately \$2,000). You will also be required to complete two co-op semesters in addition to the regular program.

The placement is an optional co-op and is not required in order for you to graduate from Cambrian's regular postsecondary Powerline Technician program. You can elect to complete your postsecondary program, and you can graduate with a diploma, without participating in the co-

op option. However, Powerline Technician students who choose, and qualify, to participate in this optional Co-op/PowerTech program, become registered apprentices sponsored by PowerTech. In order to qualify for sponsorship, you must meet strict academic standards. Through your participation in this program, you have the opportunity to participate in two paid co-op placements while earning a college diploma. The combination of your academic curriculum and the experience from the co-op placements enables you to receive completion from the Ministry of Training, College and Universities for two of the four levels of in-school apprenticeship training of the trade related to the program.

### Limited Enrolment – 24 seats available

Please note that possession of the requirements does not guarantee admission. If the number of qualified applicants exceeds the number of places available in the program, the College reserves the right to select from among those applicants. All students applying by February 1 (for September start) or (September 3) for January start will be given equal consideration. Preference will be given to Ontario residents. Please see the Limited Enrolment F.A.Q.'s on our website under "How to Apply" for further details.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Skills and Trades Training (<http://cambriancollege.ca/field-of-study/skills-and-trades-training>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

- Any grade 12 English (C), (U), or (M)
- Any grade 12 mathematics (C), (U), or (M) (MCT4C is highly recommended)

Recommended: any grade 11 or 12 chemistry or physics (C) or (U), or any technical course (C), (U), or (M)

### Additional Information

Students will write a math test at the start of the first semester and may be required to take an additional two-hour math tutorial.

### APPLY NOW! (<http://ontariocolleges.ca/apply>)

#### Fall 2016

#### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018

### Program of Study

Semester 1		Credits
CAD 1100	Computer-Aided Drafting I	2
ELC 1130	Electrical Theory and Wiring I	6
FIT 1015	Fitness Healthy Lifestyles	2



PLT 1100	Powerline Theory and Construction I	8	ELC 1130	Electrical Theory and Wiring I	6
MTH 1152	Electrical Math I	3	FIT 1015	Fitness Healthy Lifestyles	2
The following General Education course:		3	PLT 1100	Powerline Theory and Construction I	8
BUS 1008	Personal Finance	3	MTH 1152	Electrical Math I	3
	Term Credits:	24	The following General Education course:		3
<b>Semester 2</b>			BUS 1008	Personal Finance	3
ENG 1002	College Communication	3		Term Credits:	24
ELC 1230	Electrical Theory and Wiring II	6	<b>Semester 2</b>		
MTH 1252	Electrical Math II	3	ELC 1230	Electrical Theory and Wiring II	6
PLT 1101	Workplace Safety And The Law	2	ENG 1002	College Communication	3
PLT 1200	Powerline Theory Construction II	8	MTH 1252	Electrical Math II	3
	Term Credits:	22	PLT 1101	Workplace Safety And The Law	2
<b>Semester 3</b>			PLT 1200	Powerline Theory Construction II	8
ELC 2335	Electrical Theory and Wiring III	6		Term Credits:	22
ENG 1780	Applied Communication II	2	<b>Semester 3</b>		
MTH 2352	Electrical Math III	3	ELC 2335	Electrical Theory and Wiring III	6
PLT 2300	Powerline Theory Construction III	8	ENG 1780	Applied Communication II	2
PLT 2350	Computer Aided Drafting II	2	MTH 2352	Electrical Math III	3
One of the following General Education courses:		3	PLT 2300	Powerline Theory Construction III	8
BUS 1015	Negotiation Labour Relations	3	PLT 2350	Computer Aided Drafting II	2
CET 1003	Cybernation	3	One of the following General Education courses:		3
MUS 1009	Rock Music, Culture Technology	3	BUS 1015	Negotiation Labour Relations	3
PSY 1001	Psychology of Evil	3	CET 1003	Cybernation	3
SCI 1000	Issues and Ethics in Science	3	MUS 1009	Rock Music, Culture Technology	3
	Term Credits:	24	PSY 1001	Psychology of Evil	3
<b>Semester 4</b>			SCI 1000	Issues and Ethics in Science	3
ELC 2435	Electrical Theory and Wiring IV	6		Term Credits:	24
PLT 2400	Powerline Theory Construction IV	8	<b>Semester 4</b>		
PLT 2405	Transformer Metering Theory	2	ELC 2435	Electrical Theory and Wiring IV	6
PLT 2435	Applied Mechanics	3	PLT 2400	Powerline Theory Construction IV	8
One of the following General Education courses:		3	PLT 2405	Transformer Metering Theory	2
BUS 1015	Negotiation Labour Relations	3	PLT 2435	Applied Mechanics	3
CET 1003	Cybernation	3	One of the following General Education courses:		3
MUS 1009	Rock Music, Culture Technology	3	BUS 1015	Negotiation Labour Relations	3
PSY 1001	Psychology of Evil	3	CET 1003	Cybernation	3
SCI 1000	Issues and Ethics in Science	3	MUS 1009	Rock Music, Culture Technology	3
	Term Credits:	22	PSY 1001	Psychology of Evil	3
	Total Credits:	92	SCI 1000	Issues and Ethics in Science	3
				Term Credits:	22
				Total Credits:	92

## Winter 2017

### Program Delivery

Semester 1 - Winter 2017  
 Semester 2 - Spring 2017  
 Semester 3 - Winter 2018  
 Semester 4 - Spring 2018

### Program of Study

Semester 1		Credits
CAD 1100	Computer-Aided Drafting I	2

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$4,191.88. Next year's tuition fee will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$3,100. This is the best information available at the time of publishing to the website and is subject to change.

## Graduate Options

### Employment Opportunities

A recent study by the Canadian Electrical Sector indicates that over the next nine years, one third of the employees in that sector will be retiring, creating a shortfall of between 1840 and 3542 employees. Graduates of this program may find employment with:

- Engineering companies
- Contractors
- Equipment suppliers
- Utility companies

## Contacts

### **Bruce Cowtan**

Program Coordinator

705-566-8101, ext 6388

[bruce.cowtan@cambriancollege.ca](mailto:bruce.cowtan@cambriancollege.ca)

# PRACTICAL NURSING (PNDP)

## Ontario College Diploma | 4 semesters | Barrydowne | Limited Enrolment

If providing care and helping to improve the lives of others is your passion, consider a career as a registered practical nurse (RPN). Cambrian's program, which is accredited by the College of Nurses of Ontario (CNO), offers you hands-on experience, smaller class sizes, and unique placement opportunities. You'll practice clinical skills in our high-tech nursing lab, help patients in Cambrian's fully operating medical clinic, and advance your skills by working alongside healthcare professionals in the community.

### Program Highlights

- 2 years – 4 semesters
- 5 placements, including a 8-week clinical placement in semester four
- Hands-on training in Cambrian's high-tech nursing lab
- Graduates can apply to write the College of Nurses of Ontario (CNO) certification exam

### Accreditation

Cambrian's program is currently approved (Category 1) by the College of Nurses of Ontario ([www.cno.org](http://www.cno.org) (<http://www.cno.org>)). Current graduates from this program are eligible to apply for registration as a Registered Practical Nurse in Ontario.

### Limited Enrolment – 80 seats available

Please note that possession of the requirements does not guarantee admission. If the number of qualified applicants exceeds the number of places available in the program, the College reserves the right to select from among those applicants. All students applying by February 1 will be given equal consideration. Preference will be given to Ontario residents. Please see the Limited Enrolment F.A.Q.'s on our website under "How to Apply" for further details.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Health Sciences, Nursing, and Emergency Services (<http://cambriancollege.ca/field-of-study/health-sciences-nursing-emergency-services>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

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

Please note: A minimum of 60% is required in each prerequisite course

Recommended:

- Computer competency in relevant software

Note: Cambrian College's Pre-Health Sciences (HPLG) program is the designated preferred preparatory program for admission to Cambrian College's limited enrolment Health Sciences programs. Limited enrolment programs are identified within the detailed program descriptions. The minimum GPA and grades required for successful admission will be determined by the quality and quantity of the applicant pool.

### Additional Requirements

- Current Basic Cardiac Life Support Certificate Level C (must be current for entire program)
- Current Standard First Aid Certificate (must be current for entire program)
- Mask testing (for N-95 mask)
- Criminal record check
- WHMIS certification Proof of immunization status at registration for the following:
  - Two-step TB test
  - Immunizations: Measles, mumps, rubella, varicella, polio
  - Current tetanus - diphtheria vaccination
  - Current influenza immunization (when available for season)
  - Hepatitis B vaccination
  - If born after 1970, must have 2 measles vaccinations
  - Hepatitis A vaccination is recommended but not require

Note: Criminal record check, influenza immunization, TB skin test ,WHMIS and Basic Cardiac Life Support certificates MUST be renewed on an annual basis - there is a fee required for these renewals. Proof of previous varicella infection (chickenpox) must be supplied if not immunized for this disease.

**APPLY NOW!** (<http://www.ontariocolleges.ca/apply>)

**Fall 2016**

### Program Delivery

Semester 1 - Fall 2016

Semester 2 - Winter 2017

Semester 3 - Fall 2017

Semester 4 - Winter 2018

### Program of Study

Semester 1		Credits
BIO 1107	Anatomy Physiology I	3
ENG 1121	Research Writing/Health Sciences	3
PND 1001	Technical Concepts Health Care	3
PND 1105	Human Relations	3
PND 1120	Nursing Practice I	4
PND 1125	Professional Growth I	3
PND 1130	Nursing Theory I	3
The following General Education course:		3
PSY 1135	Issues in Developmental Psychology	3
Term Credits:		25
Semester 2		Credits
BIO 1207	Anatomy Physiology II	3

PND 1000	Health Assessment	4
PND 1211	Nursing Practice II	16
PND 1230	Nursing Theory II	3
One of the following General Education courses:		3
BIO 1000	Fungus Among Us	3
GER 1200	Introduction To Gerontology	3
<hr/>		
	Term Credits:	29
<b>Semester 3</b>		
BIO 2305	Pathophysiology I	4
PND 2315	Nursing Practice III	16
PND 2320	Pharmacology I	3
PND 2325	Professional Growth II	3
PND 2330	Nursing Theory III	4
One of the following General Education courses:		3
SCI 1001	Human Sexuality	3
SSC 1002	Thinking, Reasoning, Relating	3
<hr/>		
	Term Credits:	33
<b>Semester 4</b>		
BIO 2415	Pathophysiology II	3
PND 2400	Pharmacology II	2
PND 2415	Nursing Practice IV	16
PND 2426	Nursing Practice V	16
PND 2430	Nursing Theory IV	3
<hr/>		
	Term Credits:	40
<hr/>		
	Total Credits:	127

## University Degree Opportunities

Graduates from this program may continue their studies at university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

## Contacts

### Valerie Walker

Program Coordinator

705-566-8101, ext 7671

[valerie.walker@cambriancollege.ca](mailto:valerie.walker@cambriancollege.ca)

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$4,409.10. Next year's tuition fees will be available by May 1, 2016

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Some exceptions apply. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$2,000. This is the best information available at the time of publishing to the website and is subject to change.

## Graduate Options

### Employment Opportunities

Graduates may seek employment opportunities in:

- Hospitals
- Community
- Long-term care facilities
- Health care facilities, services, and programs

# PRE-HEALTH SCIENCES (HPLG)

## Ontario College Certificate | 2 semesters | Barrydowne

Missing an admission requirement or need to improve your grades for pre-requisite courses to gain admission into a limited enrolment Health Sciences or Nursing program? This program provides you with the opportunity to acquire and/or enhance your knowledge and skills in English, math, and science, and you will also choose electives to ensure you have all pre-requisites required to apply to your program of choice.

Note: The Pre-Health Sciences program is the preferred designated preparatory program for admission to Cambrian College's limited enrolment Health Sciences programs.

### Program Highlights

- 1 year – 2 semesters
- Start in September or January
- Courses cover English, math, and sciences
- Strong foundation for entry into Cambrian's limited enrolment Health Sciences programs
- Grads who continue into another full-time Cambrian program have a high degree of success

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

General Studies (<http://cambriancollege.ca/field-of-study/general-studies>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): 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)

Recommended:

- Grade 11 science (M)
- Computer competency in relevant software

## APPLY NOW! (<http://ontariocolleges.ca/apply>) Fall 2016

### Program Delivery

Semester 1 - Fall 2016

Semester 2 - Winter 2017

### Program of Study

Semester 1		Credits
BIO 1003	Biology I	4
CHM 1106	Science Chemistry I	4
ENG 1006	Technical Reading Writing for the Health Science	3

HPL 1013	Exploring Careers Health Science	2
MTH 1113	Pre Health Math I	4
One of the following Elective courses:		3
PHY 1031	Health Science Physics I	3
PSY 1125	Positive Psychology	3
Term Credits:		20

#### Semester 2

BIO 1010	Biology II	4
CHM 1002	Physical Chemistry	2
CHM 1003	Organic and Biological Chemistry	4
ENG 1121	Research Writing/Health Sciences	3
MTH 1213	Advanced Pre-Health Math	4
One of the following Elective courses:		3

PHY 1002	Health Science Physics II	3
HSC 1005	Medical Terminology	3

One of the following General Education courses:

SOC 1010	Cross-Cultural Understanding	3
SCI 1000	Issues and Ethics in Science	3

Term Credits: 23

Total Credits: 43

## Winter 2017

### Program Delivery

Semester 1 - Winter 2017

Semester 2 - Spring 2017

### Program of Study

Semester 1		Credits
BIO 1003	Biology I	4
CHM 1106	Science Chemistry I	4
ENG 1006	Technical Reading Writing for the Health Science	3
HPL 1013	Exploring Careers Health Science	2
MTH 1113	Pre Health Math I	4
One of the following Elective courses:		3
PHY 1031	Health Science Physics I	3
PSY 1125	Positive Psychology	3
Term Credits:		20

#### Semester 2

BIO 1010	Biology II	4
CHM 1002	Physical Chemistry	2
CHM 1003	Organic and Biological Chemistry	4
ENG 1121	Research Writing/Health Sciences	3
MTH 1213	Advanced Pre-Health Math	4
One of the following Elective courses:		3

PHY 1002	Health Science Physics II	3
HSC 1005	Medical Terminology	3

One of the following General Education courses:		3
SOC 1010	Cross-Cultural Understanding	3
SCI 1000	Issues and Ethics in Science	3
<hr/>		
	Term Credits:	23
<hr/>		
	Total Credits:	43

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$950. This is the best information available at the time of publishing to the website and is subject to change.

## Contacts

**Joanne Maclellan**

Program Coordinator

705-566-8101, ext 6405

joanne.maclellan@cambriancollege.ca

# PRE-SERVICE FIREFIGHTER EDUCATION AND TRAINING (PSFP)

## Ontario College Certificate | 3 semesters | Barrydowne

Prepare for entry into a fire service career. Cambrian's partnerships with fire departments and the community offer you intensive practical experience and testing in both simulated and controlled live fire training scenarios.

The curriculum is based on the requirements for the NFPA 1001 and NFPA 472 standards as identified by the National Fire Protection Association. Graduates of the Pre-Service Firefighter Education and Training program are eligible to write the OFM Provincial Firefighter test, and upon successful completion of this test can apply for standing under NFPA 1001 as Firefighter Level I and II from the Proboard.

### Program Highlights

- 1 year – 3 semesters
- On-campus training on the College's climbing wall and fire trucks, in the firefighter shop, and in the athletics centre
- Simulated and controlled live fire training with the Greater Sudbury Fire Services

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Health Sciences, Nursing, and Emergency Services (<http://cambriancollege.ca/field-of-study/health-sciences-nursing-emergency-services>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

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

#### Additional Requirements

- Current certificate in CPR (Level C) and First Aid
- Students must attend a mandatory information session at Cambrian College. The session includes mandatory participation in firefighting and fitness exercises, which will be at a reasonable additional cost to the student.

**APPLY NOW!** (<http://www.ontariocolleges.ca/apply>)

**Fall 2016**

#### Program Delivery

Semester 1 - Fall 2016

Semester 2 - Winter 2017

Semester 3 - Spring 2015

### Program of Study

Semester 1		Credits
FIT 1002	Fitness I	2
PSF 1003	Fire Theory I	3
PSF 1004	Fire Prevention	3
PSF 1005	Firefighter Skills I	8
PSF 1006	Firefighter Medical I	3
PSF 1007	Hazardous Materials I	3
PSY 1104	Interpersonal Comm. Trauma Response	3
Term Credits:		25
Semester 2		
FIT 1004	Fitness II	2
PSF 1008	Fire Theory II	3
PSF 1009	Hazardous Materials II	4
PSF 1011	Firefighter Medical II	3
PSF 1012	Firefighter Skills II	8
PSY 1203	Crisis Intervention	3
Term Credits:		23
Semester 3		
PSF 1013	Firefighter Skills III	7
PSF 1014	Technical Rescue	3
Term Credits:		10
Total Credits:		58

### Fees

#### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$9,623.50 for three semesters of study. Next year's tuition will be available by May 1, 2016.

#### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$16,770.75 for 3 semesters of study. Next year's tuition fees will be available by May 1, 2016.

### Books & Supplies

The estimated cost of books and supplies for 2014-2015 is approximately \$1,700. This is the best information available at the time of publishing to the website and is subject to change.

### Graduate Options

#### Employment Opportunities

Graduates may find entry-level opportunities to launch their career with a fire service.

The curriculum is based on the requirements for the NFPA 1001 and NFPA 472 standards as identified by the National Fire Protection Association. Graduates of the Pre-Service Firefighter Education and Training program are eligible to write the OFM Provincial Firefighter test, and upon successful completion of this test can apply for standing under NFPA 1001 as Firefighter Level I and II from the Proboard.

### Contacts

Richard Maxwell



Program Coordinator  
705-566-8101, ext 7254  
richard.maxwell@cambriancollege.ca

# PRE-TRADES/TECHNOLOGY (PRET)

## Ontario College Certificate | 2 semesters | Barrydowne

Want a career in a skilled trade or the engineering technology field but don't know which profession to pursue? Or are you missing an admission requirement or need to improve your grades for pre-requisite courses to gain admission into a full-time program? Cambrian's Pre-Trades/Technology program is a great first step to explore career options and to brush up on your math and science skills.

In this program, you'll learn the basic fundamentals of work safety, measuring instruments, and hand/power tools. Class projects, such as small engine repair, combined with practical courses in technology, math, English, and computers provide a strong foundation to pursue subsequent postsecondary programs.

Successful graduates are eligible to apply to a number of programs offered through Cambrian College's School of Skills Training and the Schools of Engineering Technology and Environmental Studies. The Pre-Trades/Technology program is the preferred designated preparatory program for admission to Cambrian College Trades and Technology programs.

Successful completion of the Pre-Trades/Technology program also provides students who have obtained their Ontario Secondary School Diploma, but lack key English and math prerequisites, to be eligible to apply to other Cambrian College programs that have these requirements.

### Program Highlights

- 1 year – 2 semesters
- Combination of theory and hands-on work in labs and trades shops
- Opportunity to shadow students in your program of interest
- A minimum of 10% of seats in Cambrian's Skills Training and Engineering Technology programs are reserved for Pre-Trades/Technology grads who meet admission requirements

### Location

This program may also be offered through the West Bay campus (program code PTWB). For further information, please contact Judy Proux at (705) 368-3194.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

General Studies (<http://cambriancollege.ca/field-of-study/general-studies>)

### Admissions

#### Admission Requirements

Ontario Secondary School Diploma (30 credits) or equivalent or mature student status.

## APPLY NOW! (<http://ontariocolleges.ca/apply>) Fall 2016

### Program of Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017

### Program of Study

Semester 1		Credits
ENG 1182	Reading Skills: Trades/Technology	3
MTH 1172	Mathematics for Trades Tech. I	4
PRT 1000	Applied Technology I	4
PRT 1009	Exploring Careers in Trades	4
PRT 1115	Computers in Pre-Trades Tech I	3
SCI 1003	Applied Science	2
Term Credits:		20
Semester 2		Credits
ELN 1001	Introductory Electronics	2
MTH 1272	Mathematics for Trades Tech. II	4
ENG 1002	College Communication	3
PRT 1001	Applied Technology II	4
PRT 1002	Computers for Technology	3
PRT 1003	Physics for Trades and Tech	3
One of the following General Education courses:		3
BUS 1008	Personal Finance	3
SSC 1000	Media and Current Events	3
Term Credits:		22
Total Credits:		42

### Fees

#### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

#### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Some exceptions apply. Next year's tuition fees will be available May 1, 2016.

### Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$1,350. This is the best information available at the time of publishing to the website and is subject to change.

### Contacts

**Andrew Young**  
Program Coordinator  
705-566-8101, ext 7696  
[andrew.young@cambriancollege.ca](mailto:andrew.young@cambriancollege.ca)

# PROTECTION, SECURITY AND INVESTIGATION (PSIP)

## Ontario College Diploma | 4 semesters | Barrydowne

In this program, you'll learn the fundamentals of criminology, sociology, psychology, and the criminal justice system which will ultimately prepare you for wide-ranging career paths including policing, private security, and the Canadian Forces.

Please note: A criminal record can be a serious impediment to employment in this particular field. Many law and security employers insist on a clean criminal record.

### Program Highlights

- 2 years – 4 semesters
- Hands-on training in the College's scenario room
- Field trips to various venues to see protection and security systems first-hand
- Fast-track options to complete other Cambrian Justice programs when you graduate

### 4D Learning Opportunities

Cambrian College Community Justice Association (CCCJA) – Join this volunteer, student-run organization and get hands-on experience working for various community and organizations while making valuable industry connections.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Law and Justice (<http://cambriancollege.ca/field-of-study/law-and-justice>)

### Admissions

#### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

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

Recommended:

- Computer competency in relevant software

**APPLY NOW!** (<http://ontariocolleges.ca/apply>)

**Fall 2016**

### Program Delivery

Semester 1 - Fall 2016

Semester 2 - Winter 2017

Semester 3 - Fall 2017

Semester 4 - Winter 2018

### Program of Study

Semester 1		Credits
SEC 1001	Note Taking and Report Writing	3
ENG 1002	College Communication	3
SEC 1004	Private Investigating and Specialized Services	3
SEC 1200	Security Communities	3
SEC 2322	Security Guard Private Inv. Duties	3
SEC 2410	Security Guard: Powers of Arrest	3
The following General Education course:		3
SSC 1000	Media and Current Events	3
Term Credits:		21
Semester 2		
LAW 1105	Ethics Diversity Issues	3
PSY 1106	Interpersonal Tactical Response	3
SEC 1205	Investigations and Evidence	3
SEC 1215	Personal Safety Techniques	3
SEC 2400	Conflict Management	3
SEC 2421	Security Management	3
One of the following General Education courses:		3
BUS 1008	Personal Finance	3
GER 2310	Dementia	3
BUS 1015	Negotiation Labour Relations	3
PSY 1125	Positive Psychology	3
SCI 1001	Human Sexuality	3
SOC 1007	Intro to Indigenous Studies	3
Term Credits:		21
Semester 3		
FIT 1500	Physical Fitness And Wellness I	3
LAW 1010	Canadian Criminal Justice	3
PFP 1065	Community Policing I	2
POL 1500	Canadian Political Studies	3
PSY 1050	Introduction To Psychology I	3
SOC 1000	Introduction To Sociology	3
SOC 1210	Introduction To Criminology	3
One of the following General Education courses:		3
BUS 1015	Negotiation Labour Relations	3
BUS 1008	Personal Finance	3
GER 2310	Dementia	3
PSY 1125	Positive Psychology	3
SCI 1001	Human Sexuality	3
SOC 1007	Intro to Indigenous Studies	3
Term Credits:		23
Semester 4		
ENG 1126	Commun. Skills/Justice Students I	3
FIT 1501	Physical Fitness Wellness II	2
LAW 3050	Youth In Conflict With Law	3
PFP 3010	Criminal And Civil Law	3
PFP 4010	Provincial Offences	3

PSY 2000	Abnormal Psychology	3
<hr/>		
	Term Credits:	17
<hr/>		
	Total Credits:	82

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$1,000. This is the best information available at the time of publishing to the website and is subject to change.

## Graduate Options

### Employment Opportunities

Graduates may find employment with:

- Security guard or private investigation firms
- Public police services (such as the Ontario Provincial Police)
- Canada Customs
- Various provincial ministries and the Canadian Forces

## University Degree Opportunities

Graduates from this program may continue their studies at university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

## Contacts

### Paul Denniston

Program Coordinator

705-566-8101, ext 7449

[paul.denniston@cambriancollege.ca](mailto:paul.denniston@cambriancollege.ca)

# PUBLIC RELATIONS (PRPG)

## Ontario College Advanced Diploma | 6 semesters | Barrydowne

Cambrian College's Public Relations program is right up your alley if:

- You want a program that puts you on the path to both an advanced diploma AND a degree
- You're a talker and/or a great listener
- You love socializing and people love you
- You give great relationship advice
- You are totally creative
- You love to write and you're good at it

Students in Cambrian's Public Relations program learn the ropes of the public relations industry and put their natural abilities to work preparing for an exciting and growing profession. Classes, labs, hands-on work, and a seven-week field placement help students gain the range of skills they need to be great communicators, including:

- Media relations
- Event planning and execution
- Speechwriting and presenting
- Writing for web, social media, print and broadcast
- Photography and podcast production
- Strategic communications planning

Graduates of the program have a portfolio of professional-grade work to showcase to potential employers and may also consider completing a university degree program in communications. For example, graduates may complete their four-year BA in Communications at Laurentian University with only one additional year of study.

Cambrian College is a member of both the Canadian Public Relations Society and the International Association of Business Communicators. Students are encouraged to consider purchasing a student membership in these professional associations.

## 4D Learning Opportunities

Fundraising initiatives – Each year, Public Relations students undertake various fundraisers that have included the Cambrian Food Bank Drive, United Way campaign, and Comedy for a Cause.

## Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Business and Information Technology (<http://cambriancollege.ca/field-of-study/business-and-information-technology>)

## Admissions

### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

- Any grade 12 English (C), (U), or (M)
- Any grade 10 mathematics (C), (U), or (M)

Recommended: Computer competency in relevant software.

## APPLY NOW! (<http://ontariocolleges.ca/apply>)

### Fall 2016

### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018  
Semester 5 - Fall 2018  
Semester 6 - Winter 2019

### Program of Study

Semester 1		Credits
BUS 1045	Intro to Business Practices	3
ENG 1002	College Communication	3
JRN 1005	Introduction to Video	3
MKT 1100	Introduction To Marketing I	4
PRO 1001	Introduction to PR and Business Writing	4
PRO 1105	Intro To Public Relations Theory	3
The following General Education course:		3
POL 1500	Canadian Political Studies	3
Term Credits:		23
Semester 2		
PRO 1002	Corp. Social Responsibility	3
PRO 1106	Untangling the Web	3
PRO 1215	Media Relations	3
PRO 1220	Communications Research	3
PRO 2417	Speechwriting and Presenting	4
PRO 3555	Fundraising	3
Term Credits:		19
Semester 3		
BUS 2040	Organizational Behavior	3
ISP 1216	Communication Design	4
PRO 2305	Event Management Theory	3
PRO 2400	Writing for Media Relations	4
PRO 3560	Connecting Through New Media	3
One of the following General Education courses:		3
PSY 1001	Psychology of Evil	3
SCI 1001	Human Sexuality	3
Term Credits:		20
Semester 4		
BUS 2465	Global Business	4
ISP 3026	Spreadsheet Management	3
PRO 1004	Internal Investor Communicat	3
PRO 2425	Event Management Practicum	3
PRO 3541	Corporate Communications	4
One of the following General Education courses:		3
MUS 1009	Rock Music, Culture Technology	3

PSY 1125	Positive Psychology	3
Term Credits:		20
<b>Semester 5</b>		
ADV 1225	Integrated Marketing Communications	3
ADV 1231	Photography	3
ISP 1225	Database Management	4
PRO 1107	Copywriting: Art of Persuasion	3
PRO 3520	Strategic Communications Planning	3
PRO 3550	Public Relations Agency	3
Term Credits:		19
<b>Semester 6</b>		
BUS 2355	Management Decision Making	3
LAW 1060	Communications Law	3
PRO 1000	Crisis Communications	3
PRO 1006	Field Placement	7
Term Credits:		16
Total Credits:		117

University Agreements at [www.cambriancollege.ca/agreements](http://www.cambriancollege.ca/agreements) (<http://www.cambriancollege.ca/agreements>) for further information.

## Contacts

### Nancy Griffin

Program Coordinator  
705-566-8101, ext 7857  
[nancy.griffin@cambriancollege.ca](mailto:nancy.griffin@cambriancollege.ca)

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$1400.00 for first year. This includes \$600 for books and \$800 for camera, tripod, mic, etc. This is the best information available at the time of publishing to the website and is subject to change.

## Graduate Options

### Employment Opportunities

The Public Relations program prepares graduates for positions in public relations and communications, but it is a skill set that is relevant to and has applications in many other fields. Graduates may find employment in a public relations capacity as:

- Communication/information officers and specialists
- Marketing specialists
- Social media specialists
- Special events coordinators
- Publicists
- Media relations officers
- Speechwriters

## University Degree Opportunities

Graduates from this program may continue their studies at university and may receive credit for their prior College education. Refer to College/

# PUBLIC RELATIONS - GRADUATE CERTIFICATE (PRPD)

## Ontario College Graduate Certificate | 2 semesters | Barrydowne and Online/Virtual

World-renowned business mogul Warren Buffett once said, "It takes 20 years to build a reputation and five minutes to ruin it." In just eight months, you'll learn how to communicate effectively, build relationships, and manage internal and external forces in order to maintain and enhance reputations for all types and sizes of organizations.

You will learn the ropes of the public relations industry through classes, labs, and hands-on assignments and gain the range of skills you need to be a great communicator, including:

- Media relations
- Event planning and execution
- Speechwriting and presenting
- Writing for web, social media, print, and broadcast
- Photography and podcast production
- Strategic communications planning

This program is delivered as a combination of online or virtual courses, classroom experiences, and practical experiences, giving you the flexibility to learn from the convenience of your home community.

Cambrian College is a member of both the Canadian Public Relations Society and the International Association of Business Communicators. Students are encouraged to consider purchasing a student membership in these professional associations.

### Program Highlights

- 1 year – 2 semesters
- Delivered as a combination of online courses, classroom experiences, and practical experiences
- Real-world experience from planning and executing community events and developing strategic plans for community clients
- Courses cover all aspects of public relations, including event planning, media relations, speechwriting, social media communications, and more

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Business and Information Technology (<http://cambriancollege.ca/field-of-study/business-and-information-technology>)

### Admissions

#### Admission Requirements

Graduate of a recognized two- or three-year postsecondary program.

Recommended:

- a communications background

## APPLY NOW! (<http://ontariocolleges.ca/apply>) Fall 2016

### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017

### Program of Study

Semester 1		Credits
ADV 1231	Photography	3
ISP 1216	Communication Design	4
PRO 1105	Intro To Public Relations Theory	3
PRO 1215	Media Relations	3
PRO 2305	Event Management Theory	3
PRO 3541	Corporate Communications	4
Term Credits:		20
Semester 2		Credits
MKT 1100	Introduction To Marketing I	4
PRO 2400	Writing for Media Relations	4
PRO 2417	Speechwriting and Presenting	4
PRO 3000	Applied Public Relations	4
PRO 3520	Strategic Communications Planning	3
PRO 3560	Connecting Through New Media	3
Term Credits:		22
Total Credits:		42

### Fees

#### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$6,418.34. Next year's tuition fees will be available by May 1, 2016.

#### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

### Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$1,500. This includes \$800 for a camera and \$700 for books. This is the best information available at the time of publishing to the website and is subject to change.

### Graduate Options

#### Employment Opportunities

Graduates are prepared for positions in PR and communications, but it is a skill set that is relevant to, and has applications in, many other fields. Graduates may find employment in a public relations capacity as:

- Communication/information officers and specialists
- Marketing specialists
- Social media specialists
- Special events coordinator
- Publicists



- Media relations officers

## **University Degree Opportunities**

Graduates from this program may continue their studies at university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

## **Contacts**

### **Nancy Griffin**

Program Coordinator

705-566-8101, ext 7857

[nancy.griffin@cambriancollege.ca](mailto:nancy.griffin@cambriancollege.ca)

# SOCIAL SERVICE WORKER (SSPG)

## Ontario College Diploma | 4 semesters | Barrydowne

Learn to help vulnerable or at-risk individuals, families, and groups deal with various personal and social problems through engaging fieldwork and in-depth casework. As a Social Service Worker student, you'll learn to be an effective communicator and understanding counsellor in order to encourage positive change in the lives of clients.

You will be challenged to bring a special level of maturity and motivation to your work, along with a commitment to work for social justice, a fundamental belief in the dignity and potential of people, and a desire to promote justice, equality, and access to culturally-appropriate services regardless of race, gender, age, religion, etc.

Cambrian's program is recognized by the Ontario College of Social Workers and Social Service Workers, which allows you to apply to become a Registered Social Service Worker in Ontario when you graduate.

### Program Highlights

- 2 years – 4 semesters
- 2 placements
- Dynamic course delivery that includes case studies, role playing, theoretical concepts, guest speakers, and real-world experience
- Mental health and dementia course options unique to Cambrian's program
- Earn certification in Non-violent Crisis Intervention during program

### Fieldwork/Placement

Two supervised field experiences with a community-based organization are integral parts of the program. You should budget for expenses incurred during out-of-town placements for those who qualify and for the first semester's week-long seminar (lunches, gas, parking, bus fare, etc.).

During the second semester, there will be a four-week block placement in a community agency. The entire fourth semester will be a placement in a community agency. Prior to the second placement, you will receive non-violent crisis intervention training as part of fieldwork.

### Registration to Practice

Persons who wish to use the title Social Service Worker or Registered Social Service Worker must be registered with the Ontario College of Social Workers and Social Service Workers. Generally, graduates who have obtained a two-year college diploma in social service work from a College of Applied Arts and Technology qualify for registration. It is the responsibility of the graduate to register with the Ontario College of Social Workers and Social Service Workers.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Community Services (<http://cambriancollege.ca/field-of-study/community-services>)

## Admissions

### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

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

Recommended:

- Computer competency in relevant software

### Additional Requirements

- First Aid Certificate prior to field placement
- Criminal record check completed at least one month prior to field placement.
- Two-step TB test and flu shot

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### Fall 2016

### Program Delivery

Semester 1 - Fall 2016

Semester 2 - Winter 2017

Semester 3 - Fall 2017

Semester 4 - Winter 2018

### Program of Study

Semester 1		Credits
PSY 1050	Introduction To Psychology I	3
ENG 1002	College Communication	3
WES 1001	Communication in Small Groups I	3
WES 1110	Social Work Practice I	4
WES 1115	Social Services I	3
The following General Education course:		3
SOC 1007	Intro to Indigenous Studies	3
Term Credits:		19
Semester 2		Credits
ENG 1242	Speaking/Writing Comm. Services I	3
GER 1002	Introduction to Gerontology	2
WES 1210	Social Work Practice II	4
WES 1215	Social Services II	3
WES 1240	Communication in Small Groups II	3
WES 1295	Field Work I	2
One of the following General Education courses:		3
BUS 1008	Personal Finance	3
PSY 1125	Positive Psychology	3
SSC 1000	Media and Current Events	3
SCI 1001	Human Sexuality	3
Term Credits:		20
Semester 3		Credits
WES 1251	Ethics	3
WES 2052	Recording Observation	3
WES 2310	Social Work Practice III	4

WES 2320	Group Dynamics	3
WES 2330	Family Dynamics	3
One of the following General Education courses:		3
BUS 1015	Negotiation Labour Relations	3
GER 2310	Dementia	3
BUS 1008	Personal Finance	3
PSY 1125	Positive Psychology	3
SCI 1001	Human Sexuality	3
Term Credits:		19
<b>Semester 4</b>		
WES 2490	Field Work II	20
Term Credits:		20
Total Credits:		78

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$1,500 for first year. This is the best information available at the time of publishing to the website and is subject to change.

## Graduate Options

### Employment Opportunities

Graduates may seek employment for casework and counselling positions within:

- Social agencies of the municipal, provincial, and federal governments
- Non-government services
- Charitable organizations
- Clinics
- Foster and group homes
- Half-way houses

## University Degree Opportunities

Graduates from this program may continue their studies at university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

## Contacts

### Bonita Georgekish

Program Coordinator

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# THEATRE ARTS - TECHNICAL PRODUCTION (PATT)

## Ontario College Diploma | 4 semesters | Barrydowne

This intensive, hands-on program will prepare you to work in all sectors of the entertainment industry, including northern Ontario's booming film and TV production industry.

You'll hit the ground running and work alongside your classmates to build and run a minimum of two main stage productions each year. You'll also provide technical support for the Music program's concert series, various productions and events within the school, as well as community based productions and events. Courses cover every aspect of the business, from the practical elements of stage and running crew, to design and management. Special emphasis is placed on applying theory and technology in practical situations, while working safely in the theatre environment.

At the program's core is highly talented faculty. With more than 100 years of combined experience in the professional production world, they bring a knowledge base of theory and practical experience from national and international careers working in all disciplines of the entertainment industry, including theatre, live events, and film/video production.

As a graduate, you can put your skills to work or enter directly into the third year of the Bachelor of Fine Arts program at Thorneloe University (affiliated with Laurentian University) to pursue a major in Theatre Production or Theatre Performance.

## Program Highlights

- 2 years – 4 semesters
- 1-week placement in second semester
- Hands-on experience in all technical aspects of the entertainment industry including lighting, special effects, set design, rigging, electrical, carpentry, prop making, costuming, and stage management
- Highly talented faculty, each with more than 25 years of national and international experience in live entertainment industry. Work on 4 full-length productions with professional and community theatre groups – more live theatre productions than any other college in Ontario
- Opportunities to take leadership roles (e.g. stage manager, costume designer, etc.) for full-length theatre productions
- Provide technical support for the Music department's concert series and various video productions for the eDome, the College's state-of-the-art multi-media centre
- Earn industry-standard certifications at no extra cost: Fall Protection Certification, Lift Training, Workplace Hazardous Materials Inventory System (WHMIS)

## 4D Learning Opportunities

Sudbury Theatre Centre placement – In the second semester, you'll spend one week working with the technical production team at Sudbury's professional theatre company.

Tunnel of Terror at Dynamic Earth – You will work with your classmates and industry experts to create and build the Tunnel of Terror underground

experience at Sudbury's Dynamic Earth, a popular component of the tourist attraction's Halloween festivities.

## Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Creative Arts, Music and Design (<http://cambriancollege.ca/field-of-study/creative-arts-music-design>)

## Admissions

### Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

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

**APPLY NOW!** (<http://ontariocolleges.ca/apply>)

## Fall 2016

### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018

## Program of Study

Semester 1		Credits
TAP 1000	Lighting I	3
TAP 1002	Audio I	3
TAP 1004	Industry Health and Safety	1
TAP 1008	Production Applications I	2
TAP 1110	Stagecraft I	4
TAP 1130	Drafting Design Interpretation	4
TAP 1141	Entertainment Industry Rigging	4
The following General Education course:		3
PSY 1125	Positive Psychology	3
Term Credits:		24
Semester 2		Credits
ENG 1002	College Communication	3
TAP 1001	Lighting II	3
TAP 1005	Audio II	4
TAP 1009	Production Applications II	2
TAP 1010	Stage Management	3
TAP 2120	Stagecraft II	4
One of the following General Education courses:		3
ANI 1049	Film Studies	3
HST 1106	Art History I	3
Term Credits:		22
Semester 3		Credits
AAD 1010	Production Tour Management	3
ENG 2305	Business Employment Correspondence	3
TAP 1011	Set and Lighting Design I	3

TAP 1210	Costume Management	4	in Theatre Production or Theatre Performance to earn a Bachelor of Fine Arts Degree.
TAP 1220	Set Painting	4	
TAP 2105	Professional Development	2	<b>Contacts</b>
TAP 2160	History of the Theatre I	2	
One of the following General Education courses:			3
MUS 1009	Rock Music, Culture Technology	3	<b>Ken Salah</b>
PSY 1001	Psychology of Evil	3	Program Coordinator
Term Credits:			24

**Semester 4**

TAP 1240	Special Effects	2
TAP 2106	Professional Development II	2
TAP 2110	Prop Making	4
TAP 2215	Set and Lighting Design II	3
TAP 2230	Model Making	4
TAP 2260	History of the Theatre II	2
Term Credits:		17
Total Credits:		87

**Fees****Tuition Fee (Canadian Students)**

The tuition fee for the 2015-2016 academic year is \$3,655.48. Next year's tuition fees will be available by May 1, 2016.

**Tuition Fee (International Students)**

The tuition fee for the 2015-2016 academic year is \$13,614.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

**Books & Supplies**

The estimated cost of books and supplies for 2015-2016 is approximately \$2,800 for first year. This amount includes the costs for Personal Protective Equipment, tools, equipment, textbooks and school supplies. This information is the best available at the time of publishing to the website and is subject to change.

**Graduate Options****Employment Opportunities**

Graduates will have the knowledge to find employment in the diverse entertainment industry – an industry limited only by one's imagination and creativity. You may find positions in:

- Stage management
- Lighting design
- Set design
- Special effects
- Costume and prop design
- Make-up

**University Degree Opportunities**

Qualified graduates, those who achieve a GPA of 3.2 or higher, can enter directly into the third year of the Bachelor of Fine Arts program at Thorneloe University (affiliated with Laurentian University) and can major

# WELDING AND FABRICATION TECHNICIAN (WFTN)

## Ontario College Diploma | 4 semesters | Barrydowne | Capped Enrolment

Working in the College's welding lab, you will take metal fabrication projects from the engineering drawing stage through cutting and forming processes to the welding and inspection phase. You have the option to start your apprenticeship and will also have unique opportunities to put your welding skills into practice by working on real community and applied research projects.

### Program Highlights

- 2 years – 4 semesters
- Co-op Diploma Apprenticeship option
- Opportunities to participate in applied research projects
- Real-world experience using industry-standard equipment in the College's welding lab to take projects from concept to finished product

### 4D Learning Opportunities

Ontario Technological Skills Competition – Each year, select Cambrian Welding students compete in this provincial competition against other college students and apprentices.

Pedestrian bridge for Rotary Park – Students worked alongside industry partner Lopes Mechanical to build a 50-foot long bridge for a park in Sudbury.

Material handling loop – Students helped to build components of an industrial training circuit used by Cambrian's Millwright students.

Nature observation deck for Rotary Park – Students volunteered 900 hours to construct a fully-galvanized metal deck for a park in Sudbury.

### Co-op Diploma Apprenticeship Program Option

The Co-op Diploma Apprenticeship program combines a college diploma program and apprenticeship training leading to a Certificate of Qualification. The program enables individuals to train as apprenticeship participants, completing all in-school learning outcomes (trade school). In addition, participants have the option to pursue a co-op with an employer. Individuals who want to register for the Co-op Diploma Apprenticeship program must meet all eligibility criteria for both the college diploma program as well as apprenticeship training. For further information, please contact the Coordinators, Cooperative Placements at 705-566-8101, ext 7564 or 7707.

### Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Skills and Trades Training (<http://cambriancollege.ca/field-of-study/skills-and-trades-training>)

## Admissions

### Admission Requirements

For graduates of the new curriculum (OSS): 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)

### Additional Information

There is a testing fee that is determined by the type and number of different welding certifications for which the student wishes to test.

The Skills Technology Institute (SkyTech) sponsors qualified Co-op Diploma Apprenticeship students to work as apprentices on a 16-week cooperative work term following their first and second academic years. For further information, visit [www.cambriancollege.ca/skytech](http://www.cambriancollege.ca/skytech) (<http://www.cambriancollege.ca/skytech>).

## APPLY NOW! (<http://ontariocolleges.ca/apply>) Fall 2016

### Program Delivery

Semester 1 - Fall 2016  
Semester 2 - Winter 2017  
Semester 3 - Fall 2017  
Semester 4 - Winter 2018

### Program of Study

Semester 1		Credits
TCA 1101	Trade Math I	3
WLD 1001	Blueprint Reading Drafting I	3
WLD 1003	Metal Trades Practices	3
WLD 1122	Welding Applications I	8
WLD 1131	Welding Processes Technology I	3
The following General Education course:		3
BUS 1008	Personal Finance	3
Term Credits:		23
Semester 2		
FAB 1200	Fabrication Assembly Practices I	4
ENG 1002	College Communication	3
WLD 1000	Welding Metallurgy	3
WLD 1004	Layout Template Development I	3
WLD 1006	Drawing/Inter. Drafting I	4
WLD 1226	Welding Appl. Practical Skill I	4
Term Credits:		21
Semester 3		
ENG 1780	Applied Communication II	2
FAB 2300	Fabrication Assembly Practices II	4
WLD 1007	Drawing Interpretation	4
WLD 1008	Layout Template Develop. II	3
WLD 1009	Welding Processes Practices	3
WLD 2322	Welding Appl. Practical Skill II	3
One of the following General Education courses:		3

BUS 1015	Negotiation Labour Relations	3
CET 1003	Cybernation	3
MUS 1009	Rock Music, Culture Technology	3
PSY 1001	Psychology of Evil	3
SCI 1000	Issues and Ethics in Science	3
Term Credits:		22
<b>Semester 4</b>		
FAB 2401	Fabrication Assembly Practice III	4
LTD 2400	Layout Template Develop III	2
SSD 2400	Plate Structural Steel Develop.II	4
WLD 2413	Welding Appl n Prac'l Skills III	5
WLD 2416	Job Planning Preparation	2
One of the following General Education courses:		3
BUS 1015	Negotiation Labour Relations	3
CET 1003	Cybernation	3
MUS 1009	Rock Music, Culture Technology	3
PSY 1001	Psychology of Evil	3
SCI 1000	Issues and Ethics in Science	3
Term Credits:		20
Total Credits:		86

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

## Contacts

**Robbie Duncan**  
Program Coordinator  
705-566-8101, ext 7448  
[robbie.duncan@cambriancollege.ca](mailto:robbie.duncan@cambriancollege.ca)

## Fees

### Tuition Fee (Canadian Students)

The tuition fee for the 2015-2016 academic year is \$3,955.48 Next year's tuition fees will be available by May 1, 2016.

### Tuition Fee (International Students)

The tuition fee for the 2015-2016 academic year is \$13,914.00 for two semesters of study. Next year's tuition fees will be available by May 1, 2016.

## Books & Supplies

The estimated cost of books and supplies for 2015-2016 is approximately \$2,200 for first year. This is the best information available at the time of publishing to the website and is subject to change.

## Graduate Options

### Employment Opportunities

Employment opportunities in welding and fabrication may exist in any industry where metal fabrication and maintenance are performed, for example:

- Steel fabrication plants
- Manufacturing
- Construction
- Pulp and paper mills
- Mines
- Refineries

## University Degree Opportunities

Graduates from this program may continue their studies at university and may receive credit for their prior College education.



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