

St Mary: Education & Career-Life Pathway Planning

Career Exploration: Skilled Trades and Apprenticeship

WHAT ARE THE SKILLED TRADES?

When people think of skilled trades, there are a few that immediately spring to mind. The reality is that there are more than 200 designated trades in Canada. Generally, these trades fall within four main categories:

- **Construction**, which includes trades such as electricians, carpenters, plumbers, pipefitters, welders, heavy equipment operators and painters, among others
- **Transportation**, which includes trades such as automotive service technicians, aviation technicians, automotive painters, fuel/electrical systems technicians, and more
- **Manufacturing**, including trades such as tool & die makers, industrial mechanics (millwrights), precision metal fabricators, among others
- **Service**, including trades such as horticulturalists, chefs, florists and hairstylists, and more

WHAT'S AN APPRENTICESHIP?

Apprenticeship is a form of post-secondary training that teaches the skills and competencies necessary to perform tasks to an industry standard. Apprenticeship training provides the opportunity for hands-on learning under the direction of a certified journeyman, with the ability to earn while you learn.

The training combines alternating periods of on-the-job (80 to 85%) and in-class technical training (15 to 20%). Technical training can occur at a college, a union training centre, a private trainer or online. Once the apprentice has completed the required hours and/or modules for the trade, the apprentice can write a certification exam. Apprenticeship is regulated by the provinces and territories, creating 13 unique systems geared to the labour market needs and conditions in each region of Canada.

HOW DOES COOPERATIVE EDUCATION PREPARE YOU FOR AN APPRENTICESHIP?



Ontario Youth Apprenticeship Program (OYAP) is a School to Work program that opens the door for students to explore and work in apprenticeship occupations starting in Grade 11 or Grade 12 through the Cooperative Education program. Students have an opportunity to become registered apprentices and work towards becoming certified journeymen in a skilled trade while completing their secondary school diplomas.

An OYAP accelerated program offers a student the opportunity to earn high school credits, college credits, register as an apprentice, complete part or all of Level One apprenticeship schooling in a specific trade, and earn hours towards his or her apprenticeship training. Prior to being registered as an apprentice, students will participate in specific trade related Cooperative Education work placements to determine their suitability for apprenticeship registration. Students qualify for Accelerated OYAP programs in semester 2 of their grade 12 year.

For more information please visit: <http://www.oyap.com/> and www.oyap.com/dcd

Adapted from www.CareersInTrades.ca

RESOURCES

a) Apprenticeship Search:

- <http://www.apprenticesearch.com/>

The website is designed to help connect apprentices and employers across Ontario and is a free service operated by not-for-profit organizations and community agency partners in Ontario.

- Resources (under pdf tab) include:

- ["What is apprenticeship" \(ppt/prezi\)](#)
- ["Steps to an Apprenticeship"](#)
- ["Apprenticeship in Ontario" \(poster\)](#)
- ["Resume and Cover Letter Guide"](#)
- ["Apprenticeship Incentives/Subsidies"](#)

b) Careers In Trades:

- <http://www.careersintrades.ca/>

- This site will help you discover the facts about a career in the skilled trades and how an apprenticeship can help you earn while you learn.

- Resources include:

- [Apprenticeship Guide to Apprenticeship](#)
- [Presentations for Youth and Parents](#)

c) Ministry of Training, Colleges and Universities: Employment and Training - Apprenticeship

- <https://www.ontario.ca/page/start-apprenticeship>

- Employment Ontario informational site (learn about apprenticeship options, trade certification, financial aids)

d) Trade Ability:

- <http://www.tradeability.ca/>

- Durham Region's access point for apprenticeship and skilled trades information.

- Resources include:

- [The 5 Steps of the Apprenticeship Process](#)

f) Skills Canada - Canada and Ontario:

- <http://www.skillsCanada.com/> and <http://www.skillsOntario.com/>

- Skills Canada/Skills Ontario is a national/provincial not-for-profit organization that actively promotes careers in skilled trades and technologies to Canadian/Ontario youth

- Resources include:

- [Women in Trades: Myths and Realities booklet](#)

g) Red Seal Program:

- <http://www.red-seal.ca/w.2lc.4m.2@-eng.jsp>

- The Red Seal Program is Canada's standard of excellence for skilled trades. The Interprovincial Standards Red Seal Program is a partnership between the Government of Canada, the Provinces and the Territories. The Red Seal endorsement provides evidence that a tradesperson has met the Canadian standard of skills and knowledge required in his/her trade. The Red Seal examinations are used to determine whether apprentices and tradespersons meet the Canadian standard in 55 trades.

h) Career Cruising:

- <http://www2.careercruising.com/default/cplogin/DCD>

- Search under: *Careers > Explore Careers*

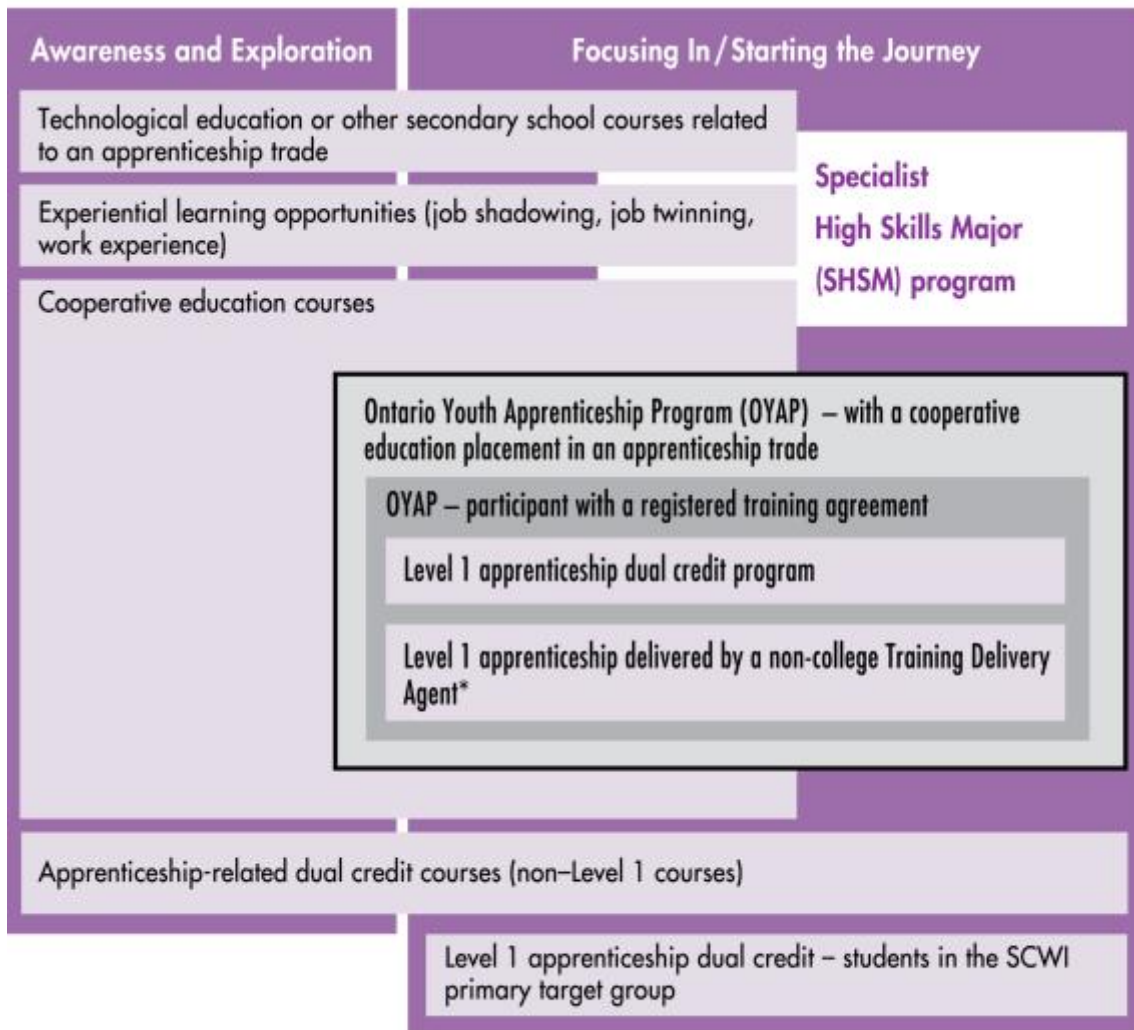
- Search under: *Education > Explore Education & Training > Apprenticeships*

- Apprenticeship Clusters in CC include: Agriculture & Horticulture; Construction & Mining; Electronics, Power & Communications; Graphic Arts & Culture; Manufacturing; Service Industry; and Transportation & Mechanics

SECONDARY SCHOOL OPPORTUNITIES LEADING TOWARDS APPRENTICESHIP

Students who are considering a career in the trades, but who are unsure that this is the best path for them, or who are unsure of the trade or sector in which they might want to work, are encouraged to participate in "Awareness and Exploration" opportunities.

Students who have decided to pursue the apprenticeship pathway, and who have an idea of the trade they are interested in, are encouraged to participate in "Focusing In/Starting the Journey" opportunities.



* See the section "Ontario Youth Apprenticeship Program (OYAP) – Participant with a Registered Training Agreement (RTA)", on page 14.

ST. MARY COOPERATIVE EDUCATION

Visit the *St. Mary Cooperative Education Page* for more information
<http://stmary.dcdsb.ca/en/programs-and-services/Cooperative-Education.aspx>

Coop - 2 credits

COP20

CREDIT: 2

TYPE: Open

GRADE: 11 & 12

Coop - 4 credits

COP40

CREDIT: 4

TYPE: Open

GRADE: 11 & 12

Cooperative Education is a successful model that combines classroom learning with practical work experience, the classroom component consists of pre-employment classes and reflective learning sessions. Classroom learning includes health and safety training, review of job search skills, creating a resume and cover letter, learning about confidentiality, work ethics, labour laws and unions. Each student has his/her own Personalized Placement Learning Plan. Students spend the majority of the semester working in a community placement related to their career goals. They return to school on specified days for reflective learning activities related to their workplace experience. **Application form and interview required.

COURSE NOTE: Students must also submit a completed Co-op application form. A Co-op teacher will then contact applicants regarding the interview process.

Ontario Youth Apprenticeship Program (OYAP)



The Ontario Youth Apprenticeship Program (OYAP) is a school-to-work program that opens the door for students to explore and work in apprenticeship occupations starting in Grade 11 or Grade 12 through the Cooperative Education program. Students have an opportunity to become registered apprentices and work towards becoming certified journeypersons in a skilled trade while completing their secondary school diplomas.

An OYAP accelerated program offers a student the opportunity to earn high school credits, college credits, register as an apprentice, complete part or all of Level One apprenticeship schooling in a specific trade, and earn hours towards his or her apprenticeship training. Prior to being registered as an apprentice, students will participate in specific trade related Cooperative Education work placements to determine their suitability for apprenticeship registration. Students qualify for Accelerated OYAP programs in their grade 12 year. This is an exit program. DCDSB offers the following centralized programs:

- Automotive Service Technician
- Child Development Practitioner
- Cook
- Electrician
- General Carpenter
- Industrial Mechanic Millwright
- Hairstylist
- Plumber
- Welder

The admission requirements for OYAP are:

- Applicants must be at least 16 years of age
- Applicants must be in grade 11 or 12, with 16 credits completed
- Applicants should demonstrate an interest and aptitude in a skilled trade
- Applicants must have some related course background in their trade of interest
- Applicants must have acceptable attendance records and teacher references

For more information please visit: <http://www.oyap.com/> and www.oyap.com/dcd

ST. MARY TECHNOLOGICAL EDUCATION COURSES (2016-2017)

Construction and Industrial Sector

Carpenter

Electrician

Plumber

Welder

Industrial Mechanical Millwright



Exploring Technologies (Woodworking)

TIJ101

This course enables students to further explore and develop technological knowledge and skills introduced in the elementary science and technology program. Students will be given the opportunity to design and create products and/or provide services related to the various technological areas or industries, working with a variety of tools, equipment, and software commonly used in industry. Students will develop an awareness of environmental and societal issues, and will begin to explore secondary and postsecondary education and training pathways leading to careers in technology-related fields.

CREDIT: 1

TYPE: Open

GRADE: 9

Construction Technology

TCJ201

This course introduces students to building materials and processes through opportunities to design and build various construction projects. Students will learn to create and read working drawings; become familiar with common construction materials, components, and processes; and perform a variety of fabrication, assembly, and finishing operations. They will use a variety of hand and power tools and apply knowledge of imperial and metric systems of measurement, as appropriate. Students will develop an awareness of environmental and societal issues related to construction technology, and will explore secondary and postsecondary pathways leading to careers in the industry.

CREDIT: 1

TYPE: Open

GRADE: 10

Construction Engineering Technology

TCJ3C1

This course focuses on the development of knowledge and skills related to residential construction. Students will gain hands-on experience using a variety of construction materials, processes, tools, and equipment; learn about building design and planning construction projects; create and interpret working drawings and sections; and learn how the Ontario Building Code and other regulations and standards apply to construction projects. Students will also develop an awareness of environmental and societal issues related to construction technology, and will explore career opportunities in the field.

CREDIT: 1

TYPE: College

GRADE: 11

Construction Engineering Technology

TCJ3C2

This course focuses on the development of knowledge and skills related to residential construction. Students will gain hands-on experience using a variety of construction materials, processes, tools, and equipment; learn about building design and planning construction projects; create and interpret working drawings and sections; and learn how the Ontario Building Code and other regulations and standards apply to construction projects. Students will also develop an awareness of environmental and societal issues related to construction technology, and will explore career opportunities in the field. This is a 2 credit option

COURSE NOTE: This is a 2 credit option

CREDIT: 2

TYPE: College

GRADE: 11

Construction Engineering Technology**TCJ4C1**

This course enables students to further develop knowledge and skills related to residential construction and to explore light commercial construction. Students will gain hands-on experience using a variety of materials, processes, tools, and equipment, and will learn more about building design and project planning. They will continue to create and interpret construction drawings and will extend their knowledge of construction terminology and of relevant building codes and regulations, as well as health and safety standards and practices. Students will also focus on environmental and societal issues related to construction engineering technology, and will explore career opportunities in the field.

PREREQUISITE: TCJ3C1 - Construction Engineering Technology **or** TCJ3C2 - Construction Engineering Technology **or** TCJ3C3 - Construction Engineering Technology

CREDIT: 1**TYPE:** College**GRADE:** 12

Construction Engineering Technology**TCJ4C2**

This course enables students to further develop knowledge and skills related to residential construction and to explore light commercial construction. Students will gain hands-on experience using a variety of materials, processes, tools, and equipment, and will learn more about building design and project planning. They will continue to create and interpret construction drawings and will extend their knowledge of construction terminology and of relevant building codes and regulations, as well as health and safety standards and practices. Students will also focus on environmental and societal issues related to construction engineering technology, and will explore career opportunities in the field. This is a 2 credit option.

PREREQUISITE: TCJ3C1 - Construction Engineering Technology **or** TCJ3C2 - Construction Engineering Technology **or** TCJ3C3 - Construction Engineering Technology

COURSE NOTE: This is a 2 credit option.

CREDIT: 2**TYPE:** College**GRADE:** 12**Career Exploration Resources**

Ontario Construction Careers Alliance: <http://www.myocca.ca/>

- Complete the "Career Survey"; investigate types of Civil Construction Careers under "Career Descriptions"
- Under "Programs", investigate types of programs as well as financial incentives (i.e., grants, scholarships)

Transportation Technology - Motive Power Sector *Automotive Service Technician*



Exploring Transportation Technology

TTJ101

This exploratory course introduces students to concepts and skills related to transportation technology, which encompasses the maintenance, servicing, and repair of various types of vehicles, aircraft, and/or watercraft. Students will develop an awareness of related environmental and societal issues and will begin to explore secondary and postsecondary pathways leading to careers in the field.

CREDIT: 1

TYPE: Open

GRADE: 9

Transportation Technology

TTJ201

This course introduces students to the service and maintenance of vehicles, aircraft, and/or watercraft. Students will develop knowledge and skills related to the construction and operation of vehicle/craft systems and learn maintenance and repair techniques. Student projects may include the construction of a self-propelled vehicle or craft, engine service, tire/wheel service, electrical/battery service, and proper body care. Students will develop an awareness of related environmental and societal issues, and will explore secondary and postsecondary pathways leading to careers in the transportation industry.

CREDIT: 1

TYPE: Open

GRADE: 10

Transportation Technology

TTJ3C1

This course enables students to develop technical knowledge and skills as they study, test, service, and repair engine, electrical, suspension, brake, and steering systems on vehicles, aircraft, and/or watercraft. Students will develop communication and teamwork skills through practical tasks, using a variety of tools and equipment. Students will develop an awareness of environmental and societal issues related to transportation, and will learn about apprenticeship and college programs leading to careers in the transportation industry.

CREDIT: 1

TYPE: College

GRADE: 11

Transportation Technology: (2 credit course)

TTJ3C2

This course enables students to develop technical knowledge and skills as they study, test, service, and repair engine, electrical, suspension, brake, and steering systems on vehicles, aircraft, and/or watercraft. Students will develop communication and teamwork skills through practical tasks, using a variety of tools and equipment. Students will develop an awareness of environmental and societal issues related to transportation, and will learn about apprenticeship and college programs leading to careers in the transportation industry.

CREDIT: 2

TYPE: College **GRADE:** 11

Transportation Technology

TTJ4C1

This course enables students to further develop technical knowledge and skills as they study, test, service, and repair engine management systems; powertrains; steering/control, suspension, brake, and body systems on vehicles, aircraft, and/or watercraft; and/or small-engine products. Students will refine communication and teamwork skills through practical tasks, using a variety of tools and equipment. Students will expand their awareness of environmental and societal issues related to transportation and their knowledge of apprenticeship and college programs leading to careers in the transportation industry.

PREREQUISITE: TTJ3C1 - Transportation Technology **or** TTJ3C2 - Transportation Technology: (2 credit)

CREDIT: 1

TYPE: College

GRADE: 12

Transportation Technology (2 credit course)**TTJ4C2**

This course enables students to further develop technical knowledge and skills as they study, test, service, and repair engine management systems; powertrains; steering/control, suspension, brake, and body systems on vehicles, aircraft, and/or watercraft; and/or small-engine products. Students will refine communication and teamwork skills through practical tasks, using a variety of tools and equipment. Students will expand their awareness of environmental and societal issues related to transportation and their knowledge of apprenticeship and college programs leading to careers in the transportation industry.

PREREQUISITE: TTJ3C1 - Transportation Technology **or** TTJ3C2 - Transportation Technology: (2 credit)

CREDIT: 2**TYPE:** College**GRADE:** 12

Transportation Technology: Vehicle Maintenance**TTJ4E5**

This course introduces students to the servicing, repair, and maintenance of vehicles through practical applications. The course is appropriate for all students as a general interest course to prepare them for future vehicle operation, care, and maintenance or for entry into an apprenticeship in the motive power trades. Students will develop an awareness of environmental and societal issues related to transportation, and will learn about careers in the transportation industry and the skills and training required for them.

CREDIT: 1**TYPE:** Workplace**GRADE:** 12

ST. MARY SOCIAL SCIENCES/HUMANITIES COURSES (2016-2017)

Food and Nutrition - Service Sector

Baker

Chef

Cook



Food and Nutrition

HFN201

This course focuses on guidelines for making nutritious food choices. Students will investigate factors that influence food choices, including beliefs, attitudes, current trends, traditional eating patterns, food marketing strategies, and individual needs. Students will also explore the environmental impact of a variety of food choices at the local and global level. The course provides students with opportunities to develop food preparation skills and introduces them to the use of social science research methods in the area of food and nutrition.

CREDIT: 1

TYPE: Open

GRADE: 10

Food, Hospitality, and Culture

HFC3M1

This course focuses on the flavours, aromas, cooking techniques, foods, and cultural traditions of world cuisines. Students will explore the origins of and developments in diverse food traditions. They will demonstrate the ability to cook with ingredients and equipment from a variety of cultures, compare food-related etiquette in many countries and cultures, and explain how Canadian food choices and traditions have been influenced by other cultures. Students will develop practical skills and apply social science research methods while investigating foods and food practices from around the world.

COURSE NOTE: Students are recommended to have successfully completed HFN201.

CREDIT: 1

TYPE: University/College

GRADE: 11

Nutrition and Health

HFA4C1

This course focuses on the relationship between nutrition and health at different stages of life and on global issues related to food production. Students will investigate the role of nutrition in health and disease and assess strategies for promoting food security and environmental responsibility. Students will learn about healthy eating, expand their repertoire of food-preparation techniques, and refine their ability to use social science research and inquiry methods to investigate topics related to nutrition and health.

CREDIT: 1

TYPE: College

GRADE: 12

PREREQUISITE: Any university, college, or university/college preparation course in Social Sciences and Humanities, English, or Canadian and World Studies.

Nutrition and Health

HFA4U1

This course examines the relationships between food, energy balance, and nutritional status; the nutritional needs of individuals at different stages of life; and the role of nutrition in health and disease. Students will evaluate nutrition-related trends and will determine how food choices can promote food security and environmental responsibility. Students will learn about healthy eating, expand their repertoire of food-preparation techniques, and develop their social science research skills by investigating issues related to nutrition and health.

CREDIT: 1

TYPE: University

GRADE: 12

PREREQUISITE: Any university or university/college preparation course in Social Sciences and Humanities, English, or Canadian and World Studies.

Working with Children & Youth - Service Sector

Child and Youth Worker

Child Development Practitioner (ECE)

Educational Assistant



Living and Working With Children

HPW3C1

This course prepares students for occupations involving children from birth to six years of age. Students will study theories about child behaviour and development, and will have opportunities for research and observation and for practical experiences with young children. Students will become familiar with occupational opportunities and requirements related to working with infants and young children. They will also have opportunities to develop research and critical-thinking skills as they investigate and evaluate current research about early childhood education.

CREDIT: 1

TYPE: College

GRADE: 11

Introduction to Anthropology, Psychology, & Sociology

HSP3C1

This course introduces students to theories, questions, and issues related to anthropology, psychology, and sociology. Students learn about approaches and research methods used by social scientists. They will be given opportunities to apply theories from a variety of perspectives, to conduct social science research, and to become familiar with current issues within the three disciplines.

CREDIT: 1

TYPE: College

GRADE: 11

Introduction to Anthropology, Psychology & Sociology

HSP3U1

This course provides students with opportunities to think critically about theories, questions, and issues related to anthropology, psychology, and sociology. Students will develop an understanding of the approaches and research methods used by social scientists. They will be given opportunities to explore theories from a variety of perspectives, to conduct social science research, and to become familiar with current thinking on a range of issues within the three disciplines.

CREDIT: 1

TYPE: University

GRADE: 11

PREREQUISITE: ENG2D1 - English **or** CHC2D1 - Canadian History Since World War I **or** CHC2DF - Canadian History Since World War I - Extended French **or** CHC2PF - Canadian History Since World War I - Extended French

Families in Canada

HHS4C1

This course enables students to develop an understanding of social science theories as they apply to individual development, the development of intimate relationships, and family and parent-child relationships. Students will explore a range of issues relating to the development of individuals and families in contemporary Canadian society as well as in other cultures and historical periods. They will develop the investigative skills required to conduct research on individuals, intimate relationships, and parent-child roles and relationships in Canada.

CREDIT: 1

TYPE: College

GRADE: 12

PREREQUISITE: Any university, college, or university/college preparation course in Social Sciences and Humanities, English, or Canadian and World Studies.

Families in Canada

HHS4U1

This course enables students to draw on sociological, psychological, and anthropological theories and research to analyse the development of individuals, intimate relationships, and family and parent-child relationships. Students will focus on issues and challenges facing individuals and families in Canada's diverse society. They will develop analytical tools that enable them to assess various factors affecting families and to consider policies and practices intended to support families in Canada. They will develop the investigative skills required to conduct and communicate the results of research on individuals, intimate relationships, and parent-child relationships.

CREDIT: 1

TYPE: University

GRADE: 12

PREREQUISITE: Any university or university/college preparation course in Social Sciences and Humanities, English, or Canadian and World Studies.

Working with School-Age Children and Adolescents**HPD4C1**

This course prepares students for occupations involving school-age children and adolescents. Students will study a variety of theories about child behaviour and development, and will have opportunities for research and observation and for practical experiences with older children. Students will become familiar with occupational opportunities and requirements related to working with older children and adolescents. They will develop research skills used in investigating child and adolescent behaviour and development.

CREDIT: 1**TYPE:** College**GRADE:** 12

Challenge and Change in Society**HSB4U1**

This course focuses on the use of social science theories, perspectives, and methodologies to investigate and explain shifts in knowledge, attitudes, beliefs, and behaviour and their impact on society. Students will critically analyse how and why cultural, social, and behavioural patterns change over time. They will explore the ideas of social theorists and use those ideas to analyse causes of and responses to challenges such as technological change, deviance, and global inequalities. Students will explore ways in which social science research methods can be used to study social change.

CREDIT: 1**TYPE:** University**GRADE:** 12

PREREQUISITE: Any university or university/college preparation course in Social Sciences and Humanities, English, or Canadian and World Studies.

POST-SECONDARY: NOT SURE IF YOU'RE READY TO START AN APPRENTICESHIP DIRECTLY AFTER GRADUATION?



TRADES FUNDAMENTALS (WHITBY CAMPUS)

GOOD WITH YOUR HANDS? TRY THIS ON FOR SIZE.

Don't know if you want to provide heat, water or energy? Build machines or keep them running? Get a taste of the trades and see what suits your hands best!

PROGRAM AT-A-GLANCE

- Program length: One-year
- Credential awarded: Ontario College Certificate
- Location: Whitby
- School: [School of Skilled Trades, Apprenticeship & Renewable Technology \(START\)](#)
- Domestic tuition: \$2,687 + Compulsory Ancillary: \$1,057 = \$3,745 (2014-2015)

PROGRAM DESCRIPTION

Do you want a career in the lucrative skilled trades industry but are not sure where to start?

You will spend just eight months gaining exposure and experience in a variety of areas designed to help you choose a skilled trade or apprenticeship program.

You will obtain the solid foundation required to be successful in many popular programs including Durham College's:

- [Automotive Service Technician](#)
- [Construction Carpentry – Sustainable](#)
- [Electrical Technician – Instrumentation and Control](#)
- [Mechanical Technician – Mechanical Maintenance and Control](#)
- [Mechanical Techniques](#)
- [Motive Power Technician](#)
- [Heating, Ventilation and Air Conditioning](#)
- [Plumbing](#)
- [Welding Techniques](#)

In addition, you will have an opportunity to rotate through different trades and gain hands-on, practical knowledge in various fields in order to make a knowledgeable and well-informed decision on your future career goals.

To assist you with firmly establishing a career within the skilled trades you will be introduced to:

- Basic automotive
- Basic carpentry
- Basic electrical
- Basic industrial maintenance
- Basic machining
- Basic plumbing
- Basic welding
- Heating, Ventilation and Air Conditioning (HVAC) essentials

ADMISSION REQUIREMENTS

- Ontario Secondary School Diploma
- Grade 12 English (C, M or U)
- Grade 12 mathematics (C, M or U) (recommended)
- Technical Mathematics (recommended)

CAREER OPTIONS

As a graduate you will be prepared to pursue further studies in other trades programs.

<http://www.durhamcollege.ca/programs/trades-fundamentals>

POST-SECONDARY: NOT SURE IF YOU'RE READY TO START AN APPRENTICESHIP DIRECTLY AFTER GRADUATION?



CENTRE FOR FOOD (WHITBY CAMPUS)

The Centre for Food (CFF) is Durham Region's first-ever post-secondary presence focused on the field-to-fork concept, which is based on the harvesting, storage, processing, packaging, sale and consumption of food – in particular the production of local food for local consumers.

Durham College has adopted this concept and applied it to a diverse range of programs that crossover traditional academic schools with the curriculum, faculty expertise and equipment required to implement field to fork built into several of the college's programs.

Capitalizing on classroom and lab equipment availability, select courses may be offered at any of our locations including the Oshawa and Whitby campuses and the CFF, the heart of the college's field-to-fork vision.

Development of the CFF and Whitby Campus will continue to grow with the creation of a pollinator garden, agriculture planting and demonstrator gardens supported by growth initiated in our greenhouse as well as curriculum and student support.

Programs include:

[Cook – Apprenticeship](#)

[Culinary Management](#)

[Culinary Skills](#)

[Event Management \(graduate certificate\)](#)

[Horticulture – Food and Farming](#)

[Horticulture Technician](#)

[Hospitality Management – Hotel, Restaurant and Tourism](#)

[Hospitality Skills](#)

[Pharmaceutical and Food Science Technology](#)

[Pharmaceutical and Food Science Technology \(compressed, fast-track\)](#)

[Special Events Planning](#)

"CFF Viewbook"

Interactive version: <http://www.durhamcollege.ca/interactive-documents/cff-viewbook/>

Pdf version: <http://www.durhamcollege.ca/wp-content/uploads/CFF-viewbook-final-web.pdf>

<http://www.durhamcollege.ca/academic-schools/centre-for-food>

POST-SECONDARY: NOT SURE IF YOU'RE READY TO START AN APPRENTICESHIP DIRECTLY AFTER GRADUATION?



Apprenticeship and Modified Apprenticeship Programs

Apprenticeship is a system of learning by doing. It consists of on-the-job training with an employer and related class studies in college.

Apprenticeships vary from two to five years, depending on the trade. Centennial apprenticeship programs will prepare you for an exciting future as a skilled professional in the transportation field, one of Canada's largest industries.

We offer traditional apprenticeship training and Modified Apprenticeship Programs (MAPs), with special features for qualified applicants.

- An earn while you learn training approach
- Professors with extensive, current experience in industry
- state-of-the-art facilities at the province's largest transportation training centre
- You may qualify for income support while in school through Employment Insurance Canada benefits or training allowance
- In-school training is geared to on-the-job experience

At the conclusion of your apprenticeship, you can write the exam for your Certificate of Qualification. Passing the Certificate of Qualification exam means you can qualify for a Certificate of Apprenticeship from the Ministry of Training, Colleges and Universities, and that you are certified in your chosen occupation.

Please note: You cannot apply directly to the college for admission to a traditional apprenticeship. You must first be currently employed as an apprentice.

Programs

Child and Community Services

- [Developmental Service Worker](#)
- [Child & Youth Worker](#)

Engineering - Traditional Apprenticeships

- [Electrician, Construction Maintenance](#)
- [Refrigeration & Air Conditioning Systems Mechanic](#)

Transportation

Traditional Apprenticeships

- [Autobody Repairer](#)
- [Automotive Painter](#)
- [Automotive Service Technician](#)
- [Heavy Duty Equipment Mechanic](#)
- [Motorcycle Technician](#)

Lift Truck Technician

- [Truck and Coach Technician](#)

Modified Apprenticeships

- [Canadian Tire](#)
- [Ford Motor Company of Canada Limited](#)
- [General Motors of Canada](#)
- [Honda Canada Inc.](#)
- [Toyota Canada](#)
- [Truck and Coach Technician \(ATS\)](#)
- [Truck and Coach Technician \(Freightliner\)](#)
- [Truck and Coach Technician \(Volvo/Mack Canada\)](#)

<http://www.centennialcollege.ca/programs-courses/apprenticeship-programs/>

POST-SECONDARY: NOT SURE IF YOU'RE READY TO START AN APPRENTICESHIP DIRECTLY AFTER GRADUATION?

Construction Trades Techniques Programs



The Construction Trades Techniques program covers popular construction trade areas and has three intakes per year.

This program is designed to offer you choices when considering a career in the construction sector. It allows you to progress through a variety of trades so you can determine which you like most, but will also help you assess which you are best at. The program will prepare you with basic skills which will assist you in taking the next steps in your career path.

Program at a glance

- School of Apprenticeship and Skilled Trades, Casa Loma Campus
- Credential Awarded: Ontario College Certificate

Program Length: 3 semesters (1 year)

- Semester 1: Electrical & Millwrighting
- Semester 2: Sheet Metal/Air Conditioning & Carpentry
- Semester 3: Welding/Steam-fitting & Plumbing

Admission Requirements

Applicants are selected on the basis of their academic achievement, including the required courses, and any other selection criteria outlined below.

- Ontario Secondary School Diploma
- Grade 11 Math (M or U) or Grade 12 (C or U)
- Grade 12 English (C or U)

<http://www.georgebrown.ca/T126-2015-2016/>

6 Tips That Will Help You Get An Apprenticeship

By Christina Pellegrini Posted on March 13, 2013

<http://talentegg.ca/incubator/2013/03/13/6-tips-apprenticeship/>

Apprenticeships teach workers the knowledge and technical skills you need to know work in the trades. They also give you the opportunity to find a career you love, get certified and earn while you learn. If want to be an apprentice in Canada, it's your responsibility to find an employer who's willing to hire, supervise and mentor you.

Sounds easy, right? According to a 2010 Canadian Apprenticeship Forum report, finding a supportive employer who's willing to sponsor you is often the hardest part of the process.

Darrin Carron, Dean/Principal at Durham College's School of Skilled Trades, Apprenticeship and Renewable Technology located east of Toronto in Oshawa and Whitby, offers six tips on how to find an employer-sponsor:

Tip #1: Get training in high school (Cooperative Education and OYAP)

Youth apprenticeships are a great way for high school students to explore the trades, connect with an employer and earn hours towards your apprenticeship while working towards a secondary school diploma. These programs have different names and eligibility requirements depending on where you live because they're administered by the provinces/territories. To be eligible in Ontario, for example, you must at least 16 years old and a full-time Grade 11 high school student.

Tip #2: Complete a pre-apprenticeship training program

A pre-apprenticeship training program gives people who weren't a youth apprentice a chance to see if they actually like the trade.

But more importantly, graduating from one of these programs shows employers that "you're not trying the trade on," Darrin says. There's an initial financial investment, but it's worth pursuing if you're having trouble securing an apprenticeship.

Tip #3: Work as a general labourer

Getting a job as a labourer shows an employer that you're willing to learn and work. It can help you meet people in the industry and increase the size of your network.

You can contact them again when it's time to find an employer-sponsor for an apprenticeship.

Tip #4: Cold call local businesses

Flip through your old dusty phone book and call local businesses in your area to search for apprenticeship opportunities. A career counsellor can help you structure and practice your script. Having a plan to wow the employer can help get an interview.

Tip #5: Go to the union hall

Visit your trade's local union hall in addition to searching for apprenticeship opportunities at job fairs, job boards and company websites. You'll find information on what it takes to get started in your trade and who to contact to see who's hiring apprentices.

Tip #6: Build your network

Who you know matters and knowing someone in the trade is the best way to find a sponsor, Darrin says.

Ask your parents, family, teachers, friends and acquaintances if they know anyone in your trade.

Search for company owners on LinkedIn. This will help you build relationships and learn about unadvertised opportunities.

If you're interested in enrolling in an apprenticeship program in Canada, contact your regional apprenticeship office for more information.



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- Marine Engine Technician
- Motive Power Mechanic
- Motorcycle Technician
- Powered Lift Truck Technician
- Recreation Vehicle Technician
- Small Engine Technician
- Tire, Wheel and Rim Mechanic
- Transmission Technician
- Truck and Coach Technician
- Truck Trailer Service Technician
- Turf Equipment Technician

SERVICE

- Aboriginal Child Development Practitioner
- Agriculture - Dairy Handperson
- Agriculture - Fruit Grower
- Agriculture - Swine Handperson
- Appliance Service Technician
- Arborist
- Assistant Cook
- Baker
- Baker/Patisserie
- Chef (C of Q Required)
- Child and Youth Worker
- Child Development Practitioner
- Cook
- Developmental Services Worker
- Educational Assistant
- Electronic Service Technician
- Gem Setter/Goldsmith
- Hairstylist
- Hardware, Lumber & Building Materials Retailer
- Horse Groom
- Horse Fitting Maker
- Horticultural Technician
- Information Technology - Hardware Technician
- Information Technology - Network Technician
- Institutional Cook
- Information Technology - Contact Centre Customer Service Agent
- Information Technology - Contact Centre Sales Agent
- Information Technology - Contact Centre Technical Support Agent
- Micro-Electronics Manufacturer
- Native Clothing & Crafts Artisan
- Network Cabling Specialist
- Parts Technician
- Pool and Hot Tub/Spa Installer
- Pool and Hot Tub/Spa Service Technician
- Retail Meat Cutter
- Saddlery
- Special Events Coordinator
- Utility Arborist
- Wooden Boat Rebuilder/Repairer

CONSTRUCTION

- Architectural Glass & Metal Technician
- Brick and Stone Mason
- Cement (Concrete) Finisher
- Concrete Pump Operator
- Construction Boilemaker
- Construction Craft Worker
- Construction Millwright
- Drywall, Acoustic & Lathing Applicator
- Drywall Finisher & Plasterer
- Electrician - Construction & Maintenance
- Electrician - Domestic and Rural
- Exterior Insulated Finishing Systems Mechanic
- Floor Covering Installer
- General Carpenter
- Hazardous Materials Worker
- Heat and Frost Insulator
- Heavy Equipment Operator - Dozer
- Heavy Equipment Operator - Excavator
- Heavy Equipment Operator - Tractor Loader Backhoe
- Hoisting Engineer - Mobile Crane Operator 1
- Hoisting Engineer - Mobile Crane Operator 2
- Hoisting Engineer - Tower Crane Operator
- Ironworker - Generalist
- Ironworker - Structural and Ornamental
- Native Residential Construction Worker
- Painter and Decorator - Commercial and Residential
- Painter and Decorator - Industrial
- Plumber
- Powerline Technician
- Precast Concrete Erector
- Precast Concrete Finisher
- Refractory Mason (C of Q Required)
- Refrigeration/Air Conditioning Systems Mechanic
- Reinforcing Rodworker
- Residential Air Conditioning Systems Mechanic
- Residential (low rise) Sheet Metal Installer
- Restoration Mason
- Roofer
- Sheet Metal Worker
- Sprinkler & Fire Protection Installer
- Steamfitter
- Terrazzo, Tile & Marble Setter

INDUSTRIAL

- Bearings Mechanic
- Blacksmith
- Cabinetmaker
- Computer Numerical Control (CNC) Programmer (C of Q Required)
- Composite Structures Technician
- Die Designer (C of Q Required)
- Draftsperson - Mechanical
- Draftsperson - Plastic Mould Design
- Draftsperson - Tool and Die Design
- Electric Motor System Technician
- Electrical Control (Machine) Builder
- Electrician - Signal Maintenance
- Elevating Devices Mechanic
- Entertainment Industry Power
- Facilities Mechanic
- Facilities Technician Fitter-Assembler (Motor Assembly)
- General Machinist
- Hydraulic/Pneumatic Mechanic
- Industrial Electrician
- Industrial Mechanic Millwright
- Instrumentation & Control Technician
- Light Rail Overhead Contact System Linerperson
- Locksmith
- Machine Tool Builder & Integrator
- Metal Fabricator (Fitter)
- Mould Designer
- Mould Or Die Finisher
- Mould Maker
- Optics Technician (Lens & Prism Maker)
- Packaging Machine Mechanic
- Pattern Maker
- Precision Metal Fabricator
- Pressure Systems Welder (C of Q Required)
- Process Operator - Food Manufacturing
- Process Operator - Power
- Process Operator - Refinery, Chemical and Liquid Processes
- Process Operator - Wood Products
- Pump Systems Installer/Mechanic
- Railway Car Technician
- Relay and Instrumentation Technician
- Roll Grinder/Turner
- Saw Filer/Fitter
- Ski Lift Mechanic
- Surface Blaster
- Surface Mount Assembler
- Technician
- Thin Film Technician
- Tool and Cutter Grinder
- Tool and Die Maker
- Tool and Gauge Inspector
- Tool/Tooling Maker
- Tractor Trailer Commercial Driver
- Water Well Driller
- Welder



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Voluntary Trade

Refers to trades that do not require being a registered apprentice or licensed journeyman.



Compulsory Trade

To work in a trade licensed under 'compulsory', one must be a registered apprentice or journeyman.



Red Seal Trade

The Red Seal or Interprovincial Standards Program allows for greater mobility of skilled trade workers across Canada.