

Greening the Economy



Transitioning
to **New**
Careers

CONSTRUCTION

**CAREER
PROFILES**

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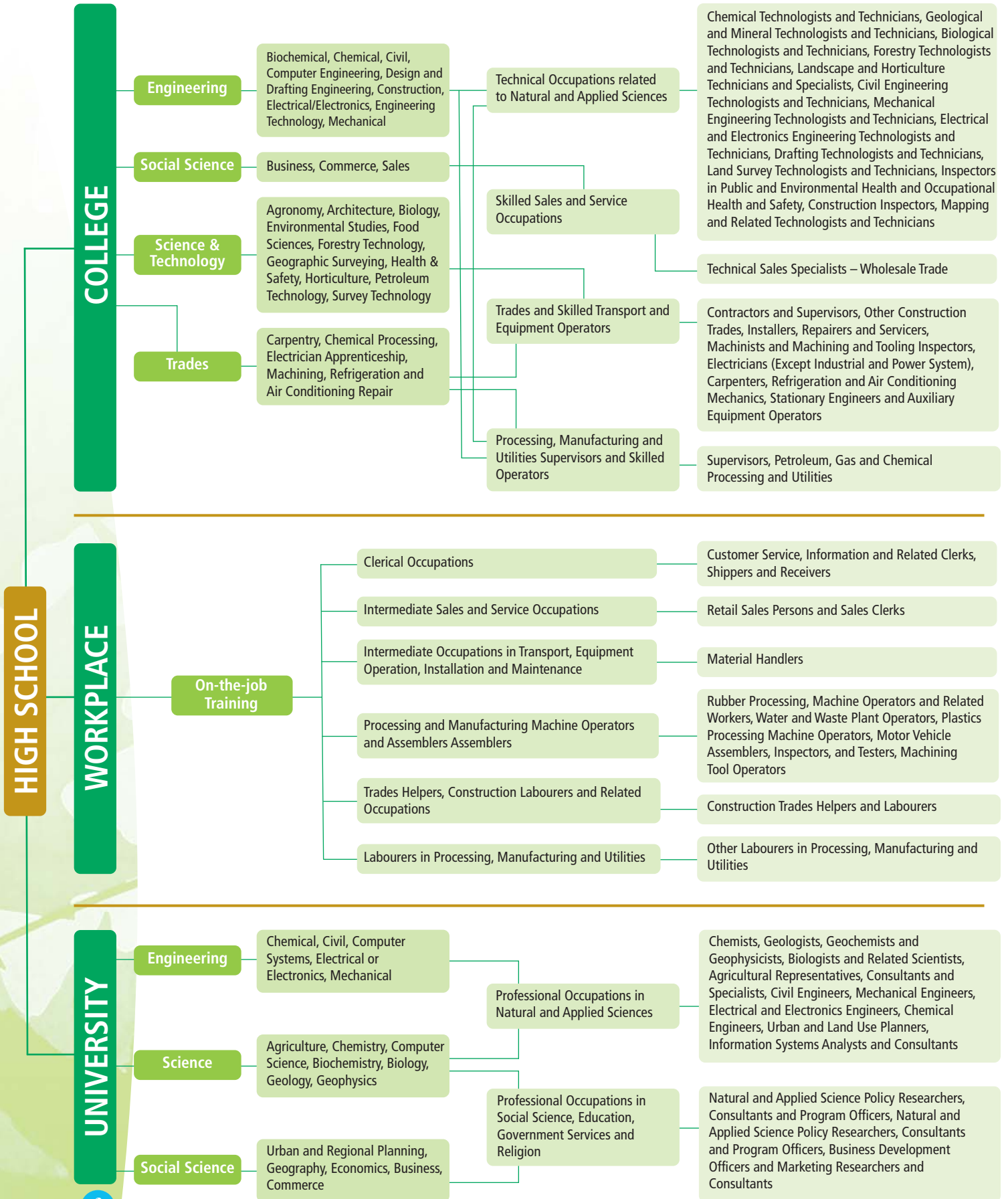
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Educational Flow Chart



Building Supplies Distributor

NOC 0015

Senior managers in this unit group plan, organize, direct, control and evaluate, through middle managers, trade, broadcasting and other service companies not elsewhere classified. They formulate policies which establish the direction to be taken by these companies, either alone or in conjunction with a board of directors. They allocate material, human and financial resources to implement organizational policies and programs; establish financial and administrative controls; formulate and approve promotional campaigns; and approve overall personnel planning. As the demand for environmentally friendly products increases, so do the number of businesses focused solely on environmentally friendly products and services, thus increasing the demand in this unit group.

Places of Employment¹:

- Self-employed
- Various industries
- Government

Employment Requirements¹:

- A university degree or college diploma in business administration, finance or other discipline related to the service provided is usually required.
- Several years of experience as a middle manager is usually required.
- Specialization in a particular functional area or service is possible through specific university or college training in that area or through previous experience.
- Education and training requirements vary from one management position to another. However, a combination of formal education and experience in an appropriate field generally qualifies an individual for work in management.

Local Educational Programs:

Program	Length	Certification	Institutions
Business Administration	4 years	Degree	Ryerson University, University of Toronto, University of Trent, York University
Business Administration	3 years	Diploma	Georgian College, Humber College, Durham College
Business Administration	4 years	Bachelor of Commerce	University of Ontario Institute of Technology
Environment & Health	4 years	Bachelor of Science	University of Toronto
Environmental Public Health Leadership Certificate	N/A	Certificate in Environmental Public Health Leadership	Ryerson University
Environmental and Health Studies	4 years	Bachelor of Arts	York University
Masters of Business Administration	Masters Program	Masters	University of Ontario Institute of Technology

The most important Essential Skills for this occupation are²:

- Organization
- Oral communication
- Problem solving
- Document use

Building Supplies Distributor

NOC 0015

Number of Employees by Age Range³:

Age Range	Durham	Peel Halton	Simcoe Muskoka	Toronto	York Region BWG	Total
15 – 24 years	0	15	0	60	40	115
25 – 44 years	135	1,190	230	1,870	820	4,245
45 years and over	265	2,700	305	3,450	1,640	8,360
Total Employees	400	3,905	535	5,380	2,500	12,720
% 45 years +	66.25%	69.14%	57.01%	64.13%	65.60%	65.72%

Source: Statistics Canada, 2006 Census

Average Salary

Based on 2006 Census Data ⁴ :	
Durham	\$ 154,383
Peel Halton	\$ 176,468
Simcoe Muskoka	\$ 129,066
Toronto	\$ 210,883
York Region BWG	\$ 163,616
Ontario	\$ 162,084

Top Industries of Employment for 5 regions^{4,5}:

Across all five regions, there are 12,720 building supply distributors employed. The top industries of employment are:

Industry (NAICS)	Number of People Employed	% of Total
417 Machinery, equipment and supplies wholesaler-distributors	1,550	12.19%
414 Personal and household goods wholesaler distributors	1,250	9.83%
561 Administrative and support services	1,100	8.65%
418 Miscellaneous wholesaler-distributors	910	7.15%

Source: Statistics Canada, 2006 Census; Statistics Canada. Canadian Business Patterns Data. December 2003, June 2009.

Matrix of Skills Transferability⁵:

Transferability between occupations has been analyzed using the National Occupational Coding system. Judgments have been made based on an analysis of available information regarding the overlap of knowledge and skills and labour market hiring practices for occupations. Occupations to which transferability exists are:

There are no direct occupations linked to this occupation based on the matrix of skills transferability. However, the following have been identified as related occupations:

- Managers in Retail Trade (NOC 062)
- Other Services Managers (NOC 0651)
- Managers in Art, Culture, Recreation and Sport (NOC 051)

Local Employers:

The following list of employers was randomly selected as examples of companies employing this occupation. An attempt was made to represent a company from each local board area.

Builders' Supplies Limited
7361 Pacific Circle
Mississauga, Ontario L5T 2A4
www.builderssupplies.ca

ECO Building Resource
136 Wellington Street East
Aurora, Ontario, L4G 1J1
www.eco-building.ca

For a more complete listing of potential employers please visit www.labourmarketinformation.ca.

ENDNOTES

¹Human Resources Skills Development Canada. National Occupational Classification System 2006. www5.hrsdc.gc.ca/NOC.

²Human Resources Skills Development Canada. Essential Skills Profiles. www.hrsdc.gc.ca/eng/workplaceskills/essential_skills/general/home.shtml

³Statistics Canada. 2006 Census. www.statcan.gc.ca.

⁴Statistics Canada. Canadian Business Patterns Data. December 2003, June 2009. www.statcan.gc.ca.

⁵Human Resources Skills Development Canada. Matrix of Skills Transferability – January 2003. www.hrsdc.gc.ca.

Carpenters

NOC 7271

Carpenters construct, erect, install, maintain and repair structures and components of structures made of wood, wood substitutes, lightweight steel and other materials. Environmental carpentry is the specialization in the use of environmentally friendly, energy-efficient and sustainable sources of building materials.¹

Places of Employment¹:

- Construction companies
- Carpentry contractors
- Factory maintenance departments
- Self employed

Employment Requirements¹:

- Completion of secondary school
- Completion of a three to four year apprenticeship program or a combination of over four years of work experience in the trade and some relevant high school, college or industry courses
- Trade certification is compulsory in Quebec and available but voluntary, in all other provinces and the territories

Local Educational Programs:

Program	Length	Certification	Institutions
Architectural Science	4 years	Bachelor of Architectural Science	Ryerson University
Architectural Technician/Technology	2 years (technician) 3 years (technology)	Diploma Advanced Diploma	Centennial College, George Brown College, Humber College
Construction Engineering Technician/Technology	2 years (technician) 3 years (technology)	Diploma Advanced Diploma	George Brown College
Construction and Environment - Regulations & Compliance	4 years	Degree	George Brown College
Construction Trades and Techniques	N/A	Certificate	George Brown College
Construction Millwright	N/A	Apprenticeship	George Brown College, Sheridan College
Materials Engineering	4 years	Bachelor of Applied Science Degree	University of Toronto

Local Union and Training Centre

Carpenters' Local Union 27 Joint Apprenticeship & Training Trust Fund Inc.
222 Rowntree Dairy Road, Woodbridge, Ontario L4L 9T2
Tel: 905 652-5506 www.carpenterstraining.ca

LIUNA Local 183 Training Centre
8700 Huntington Road, Woodbridge, Ontario
Tel: 416-242-7551 Fax: 416-242-7785 www.183training.com

The most important Essential Skills for this occupation are²:

- Document use
- Problem solving
- Numeracy

The most important High School subjects are³:

- Math
- Blueprint reading
- Industrial arts (woodworking)

Number of Employees by Age Range⁴:

Employees by Age Range	Peel Halton	Toronto	York Region Brad WG	Total
15 – 24 years	435	825	340	1,600
25 – 44 years	1,915	3,330	1,115	6,360
45 years and over	1,360	2,270	1,045	4,675
Total Employees	3,710	6,425	2,500	12,635
% 45 years +	36.66%	35.33%	41.80%	37.00%

Source: Statistics Canada, 2006 Census

Average Salary

Average Salary based on 2006 Census Data ⁴	
Peel Halton	\$ 40,863
Toronto	\$ 36,178
York Region Brad WG	\$ 41,060
Ontario	\$ 36,764

Carpenters

NOC 7271

Top Industries of Employment for 3 regions^{4,5}:

Across all three regions there are 12,635 carpenters employed.
The top industries of employment are:

Industry (NAICS)	Number of People Employed	% of Total	Number of Employers Dec 2003	Number of Employers Jun 2009	Absolute Change % 03 - 09	Change 03 - 09
236 Construction of buildings	6,455	51.07%	13,667	13,829	162	1.19%
238 Specialty trade contractors	3,950	31.25%	23,111	24,416	1,305	5.65%
321 Wood product manufacturing	535	4.23%	584	567	- 17	-2.91%

Source: Statistics Canada, 2006 Census; Statistics Canada. Canadian Business Patterns Data. December 2003, June 2009.

Additional Information¹:

- Progression to supervisory positions is possible with experience
- Red Seal trade certification allows for interprovincial mobility

Matrix of Skills Transferability⁶:

Transferability between occupations has been analyzed using the National Occupational Coding system. Judgments have been made based on an analysis of available information regarding the overlap of knowledge and skills and labour market hiring practices for occupations. Occupations to which transferability exists are:

- Insulators (NOC 7293)
- Floor covering installers (NOC 7295)

Local Employers:

The following list of employers was randomly selected as examples of companies employing this occupation. An attempt was made to represent a company from each local board area.

DeMan Construction Corporation

776 Dundas Street East
Mississauga, Ontario L4Y 2B6
Telephone: 1 905 277 0363
Fax: 1 905 277 0369
www.demancorp.com

Ontario Construction Secretariat

940 The East Mall, Suite 120
Toronto, Ontario M9B 6J7
Telephone: 1 416 620 5210
Fax: 1 416 620 5310
www.iciconstruction.com

Stairfab Manufacturing Inc.

450 Kent Drive,
Newmarket, Ontario L3Y 4Y9
Telephone: 1 905 895 1050
Fax: 1 905 895 9565
www.stairfab.com

For a more complete listing of potential employers please visit www.labourmarketinformation.ca.

ENDNOTES

¹Human Resources Skills Development Canada. National Occupational Classification System 2006. www5.hrsdc.gc.ca/NOC.

²Human Resources Skills Development Canada. Essential Skills Profiles. www.hrsdc.gc.ca/eng/workplaceskills/essential_skills/general/home.shtml

³Service Canada. Job Futures – National Edition. 2007. www.jobfutures.ca.

⁴Statistics Canada. 2006 Census. www.statcan.gc.ca.
Note: These salaries represent an average of both unionized and non-unionized workers. Salaries may vary by workplace.

⁵Statistics Canada. Canadian Business Patterns Data. December 2003, June 2009. www.statcan.gc.ca.

⁶Human Resources Skills Development Canada. Matrix of Skills Transferability – January 2003. www.hrsdc.gc.ca.

Construction Inspector and Tester

NOC 2264

Construction inspectors and testers inspect the construction and maintenance of new and existing buildings, bridges, highways and industrial construction to ensure that specifications and building codes are observed and monitor work site safety.¹

Places of Employment¹:

- Federal, provincial and municipal governments
- Architectural and civil engineering consulting firms
- Construction companies
- Self employed

Employment Requirements¹:

- Completion of secondary school is required
- College diploma in construction, civil engineering or architectural technology plus several years of related work experience or several years of experience as a qualified tradesperson in a construction trade, such as plumbing, carpentry or electrical trade are required
- Provincial certification in a skilled trade or as an engineering technologist is usually required

Local Educational Programs:

Program	Length	Certification	Institutions
Architectural Technician/Technology	2 years (technician) 3 years (technology)	Diploma Advanced Diploma	Centennial College, George Brown College, Sheridan College
Building Renovation Technician/Technology	2 years (technician) 3 years (technology)	Diploma Advanced Diploma	George Brown College
Building Systems Engineering Technician	2 years	Diploma	Seneca College
Civil Engineering Technology	3 years	Advanced Diploma	George Brown College, Humber College, Seneca College
Construction Engineering Technician/Technology	2 years (technician) 3 years (technology)	Diploma Advanced Diploma	George Brown College
Construction and Environment - Regulations & Compliance	4 years	Degree	George Brown College
Construction Science and Management	4 years	Bachelor's Degree	George Brown College
Environmental and Site Investigation	1 year	Graduate Certificate	Seneca College
Home Inspection	N/A	Certificate	Humber College, Sheridan College

The most important Essential Skills for this occupation are²:

- Reading text
- Writing text
- Document use

The most important High School subjects are³:

- Math
- Physics
- Mechanics
- Chemistry
- Biology
- English

Number of Employees by Age Range⁴:

Employees by Age Range	Peel Halton	Toronto	York Region Brad WG	Total
15 – 24 years	75	45	15	135
25 – 44 years	180	325	185	690
45 years and over	295	360	180	835
Total Employees	550	730	380	1,660
% 45 years +	53.64%	49.32%	47.37%	50.30%

Source: Statistics Canada, 2006 Census

Average Salary

Average Salary based on 2006 Census Data ⁴	
Peel Halton	\$ 53,959
Toronto	\$ 51,418
York Region Brad WG	\$ 66,105
Ontario	\$ 54,617

Construction Inspector and Tester

NOC 2264

Top Industries of Employment for 3 regions^{4,5}:

Across all three regions there are 1,660 construction inspectors and testers employed. The top industries of employment are:

Industry (NAICS)	Number of People Employed	% of Total	Number of Employers Dec 2003	Number of Employers Jun 2009	Absolute Change % 03 - 09	Change 03 - 09
541 Professional, scientific and technical services	580	35.05%	76,758	77,367	609	0.79%
913 Local, municipal and regional public administration	525	31.72%	35	56	21	60.00%
236 Construction of buildings	185	11.18%	13,667	13,829	162	1.19%

Source: Statistics Canada, 2006 Census; Statistics Canada. Canadian Business Patterns Data. December 2003, June 2009.

Additional Information¹:

- Progression to construction management positions is possible with experience

Matrix of Skills Transferability:

Transferability between occupations has been analyzed using the National Occupational Coding system. Judgments have been made based on an analysis of available information regarding the overlap of knowledge and skills and labour market hiring practices for occupations. Occupations to which transferability exists are:

There are no direct occupations linked to this occupation based on the matrix of skills transferability. However, the following have been identified as related occupations:

- Medical Technologists and Technicians (Except Dental) (NOC 321)
- Aircraft Mechanics and Aircraft Inspectors (NOC 7315)

Local Employers:

The following list of employers was randomly selected as examples of companies employing this occupation. An attempt was made to represent a company from each local board area.

Whitehall Homes & Construction

307 Robinson Street
Oakville, Ontario L6J 4A8
Telephone: 1 905 338 7230
Fax: 1 905 337 0416
www.whitehallhomes.ca

Canada 1 Roofing

1075 Pearson Dr.
Etobicoke, Ontario M9A 1Y8
Telephone: 1 416 239 0555
Fax: 1 416 239 0544
www.canada1roofing.com

Town of Newmarket

395 Mulock Dr. P.O. Box 328 Station Main, P.O. Box 328
Newmarket, Ontario L3Y 4X7
Telephone: 1 905 895 5193
Fax: 1 905 895 6004
www.newmarket.ca

For a more complete listing of potential employers please visit www.labourmarketinformation.ca.

ENDNOTES

¹Human Resources Skills Development Canada. National Occupational Classification System 2006. www5.hrsdc.gc.ca/NOC.

²Human Resources Skills Development Canada. Essential Skills Profiles. www.hrsdc.gc.ca/eng/workplaceskills/essential_skills/general/home.shtml

³Service Canada. Job Futures – National Edition. 2007. www.jobfutures.ca.

⁴Statistics Canada. 2006 Census. www.statcan.gc.ca.
Note: These salaries represent an average of both unionized and non-unionized workers. Salaries may vary by workplace.

⁵Statistics Canada. Canadian Business Patterns Data. December 2003, June 2009. www.statcan.gc.ca.

⁶Human Resources Skills Development Canada. Matrix of Skills Transferability – January 2003. www.hrsdc.gc.ca.

Construction Managers

NOC 0711

Construction managers plan, organize, direct, control and evaluate the activities of a construction company or a construction department within a company, under the direction of a general manager or other senior manager.¹

Places of Employment¹:

- Construction companies
- Self employed

Employment Requirements¹:

- A university degree in civil engineering or a college diploma in construction technology is usually required
- A master's degree in project management may be required
- Several years of experience in the construction industry, including experience as a construction supervisor or field superintendent, are usually required
- Extensive experience in the construction industry may substitute for post-secondary education requirements
- Professional engineering status or construction trade certification may be required by some employers

Local Educational Programs:

Program	Length	Certification	Institutions
Architectural Technician/Technology	2 years (technician) 3 years (technology)	Diploma Advanced Diploma	Centennial College, George Brown College, Humber College, Sheridan College
Building Renovation Technician/Technology	2 years (technician) 3 years (technology)	Diploma Advanced Diploma	George Brown College
Construction Engineering Technician/Technology	2 years (technician) 3 years (technology)	Diploma Advanced Diploma	George Brown College
Construction and Environment - Regulations & Compliance	4 years	Degree	George Brown College
Construction Science and Management	4 years	Bachelor's Degree	George Brown College
Green Business Management	1 year	Graduate Certificate	Seneca College
Sustainable Energy & Building Technology	3 years	Diploma	Humber College

Local Union and Training Centre

LIUNA Local 183 Training Centre

8700 Huntington Road, Woodbridge, Ontario

Tel: 416-242-7551 Fax: 416-242-7785 www.183training.com

Labourers Local 506

1600 Major MacKenzie Dr. East, Richmond Hill, Ontario L4S 1P4

Tel: 905-883-4268

The most important Essential Skills for this occupation are²:

- Oral communication
- Problem solving
- Computer use
- Document use

The most important High School subjects are³:

- Industrial arts
- Business
- English

Number of Employees by Age Range⁴:

Employees by Age Range	Peel Halton	Toronto	York Region Brad WG	Total
15 – 24 years	90	165	85	340
25 – 44 years	1,480	2,010	1,290	4,780
45 years and over	1,340	1,585	1,265	4,190
Total Employees	2,915	3,760	2,640	9,310
% 45 years +	46.05%	42.15%	47.92%	45.01%

Source: Statistics Canada, 2006 Census

Average Salary

Average Salary based on 2006 Census Data ⁴	
Peel Halton	\$ 82,502
Toronto	\$ 104,831
York Region Brad WG	\$ 87,278
Ontario	\$ 81,970

Construction Managers

NOC 0711

Top Industries of Employment for 3 regions^{4,5}:

Across all three regions there are 9,310 construction managers employed.
The top industries of employment are:

Industry (NAICS)	Number of People Employed	% of Total	Number of Employers Dec 2003	Number of Employers Jun 2009	Absolute Change % 03 - 09	Change 03 - 09
236 Construction of buildings	5,170	55.50%	13,667	13,829	162	1.19%
238 Specialty trade contractors	1,650	17.71%	23,111	24,416	1,305	5.65%
237 Heavy and civil engineering construction	640	6.87%	569	498	-71	-12.48%
541 Professional, scientific & technical services	515	5.53%	76,758	77,367	609	0.79%

Source: Statistics Canada, 2006 Census; Statistics Canada. Canadian Business Patterns Data. December 2003, June 2009.

Additional Information¹:

- Progression to senior management positions is possible with experience

Matrix of Skills Transferability⁶:

Transferability between occupations has been analyzed using the National Occupational Coding system. Judgments have been made based on an analysis of available information regarding the overlap of knowledge and skills and labour market hiring practices for occupations. Occupations to which transferability exists are:

There are no direct occupations linked to this occupation based on the matrix of skills transferability. However, the following have been identified as related occupations:

- Managers in construction and transportation (NOC 071)
- Contractors and supervisors, trades and related workers (NOC 721)
- Civil engineers (NOC 2131)

Local Employers:

The following list of employers was randomly selected as examples of companies employing this occupation. An attempt was made to represent a company from each local board area.

SMAI METTKO Project & Construction Managers

277 Lakeshore Road East, Suite 408
Telephone: 1 416 444 9600
Fax: 1 416 444 3166
www.mettko.com

Ontario Construction Secretariat

940 The East Mall, Suite 120
Toronto, Ontario M9B 6J7
Telephone: 1 416 620 5210
Fax: 1 416 620 5310
www.iciconstruction.com

Harbridge + Cross Limited

350 Creditstone Road, Suite 202
Concord, Ontario L4K 3Z2
Telephone: 1 416 213 7165
Fax: 1 905 738 9649
www.harbridgeandcross.com

For a more complete listing of potential employers please visit www.labourmarketinformation.ca.

ENDNOTES

¹Human Resources Skills Development Canada. National Occupational Classification System 2006. www5.hrsdc.gc.ca/NOC.

²Human Resources Skills Development Canada. Essential Skills Profiles. www.hrsdc.gc.ca/eng/workplaceskills/essential_skills/general/home.shtml

³Service Canada. Job Futures – National Edition. 2007. www.jobfutures.ca.

⁴Statistics Canada. 2006 Census. www.statcan.gc.ca.
Note: These salaries represent an average of both unionized and non-unionized workers. Salaries may vary by workplace.

⁵Statistics Canada. Canadian Business Patterns Data. December 2003, June 2009. www.statcan.gc.ca.

⁶Human Resources Skills Development Canada. Matrix of Skills Transferability – January 2003. www.hrsdc.gc.ca.

Construction Trades Helpers and Labourers

NOC 7611

Construction trades helpers and labourers assist skilled tradespersons and perform labouring activities at construction sites, in quarries and in surface mines.¹

Places of Employment¹:

- Construction companies
- Trade labour contractors
- Surface mine and quarry operators

Employment Requirements¹:

- Some experience as a general construction labourer may be required
- Specialty experience may be required in some fields

Local Educational Programs:

Program	Length	Certification	Institutions
Construction and Maintenance Electrician Apprenticeship	N/A	Apprenticeship	George Brown College, Humber College, Sheridan College
Construction Millwright	N/A	Apprenticeship	George Brown College, Sheridan College
Electric Apprenticeship	N/A	Apprenticeship	Centennial College
Plumber	N/A	Apprenticeship	George Brown College, Humber College

Local Union and Training Centre

LIUNA Local 183 Training Centre

8700 Huntington Road, Woodbridge, Ontario

Tel: 416-242-7551 Fax: 416-242-7785 www.183training.com

Labourers Local 506

1600 Major MacKenzie Dr. East, Richmond Hill, Ontario L4S 1P4

Tel: 905-883-4268

The most important Essential Skills for this occupation are²:

- Reading text
- Document use
- Numeracy
- Thinking skills

The most important High School subjects are³:

- Industrial arts
- Physical education
- Math
- English

Number of Employees by Age Range⁴:

Employees by Age Range	Peel Halton	Toronto	York Region Brad WG	Total
15 – 24 years	1,425	2,080	920	4,425
25 – 44 years	2,695	5,170	1,515	9,380
45 years and over	1,865	3,690	1,155	6,710
Total Employees	5,985	10,940	3,590	20,515
% 45 years +	31.16%	33.73%	32.17%	32.71%

Source: Statistics Canada, 2006 Census

Average Salary

Average Salary based on 2006 Census Data ⁴	
Peel Halton	\$ 45,196
Toronto	\$ 41,717
York Region Brad WG	\$ 44,829
Ontario	\$ 39,015

Construction Trades Helpers and Labourers

NOC 7611

Top Industries of Employment for 3 regions^{4,5}:

Across all three regions there are a total of 20,515 construction trades helpers and labourers employed. The top industries of employment are:

Industry (NAICS)	Number of People Employed	% of Total	Number of Employers Dec 2003	Number of Employers Jun 2009	Absolute Change % 03 - 09	Change 03 - 09
236 Construction of buildings	10,440	50.89%	13,667	13,829	162	1.19%
238 Specialty trade contractors	5,280	25.74%	23,111	24,416	1,305	5.65%
237 Heavy and civil engineering construction	1,655	8.07%	5,042	5,096	54	1.07%

Source: Statistics Canada, 2006 Census; Statistics Canada. Canadian Business Patterns Data. December 2003, June 2009.

Additional Information¹:

- Mobility is possible among workers in this unit group

Matrix of Skills Transferability⁶:

Transferability between occupations has been analyzed using the National Occupational Coding system. Judgments have been made based on an analysis of available information regarding the overlap of knowledge and skills and labour market hiring practices for occupations. Occupations to which transferability exists are:

There are no direct occupations linked to this occupation based on the matrix of skills transferability. However, the following have been identified as related occupations:

- Other Trades Helpers and Labourers (NOC 7612)
- Public Works and Maintenance Labourers (NOC 7621)

Local Employers:

The following list of employers was randomly selected as examples of companies employing this occupation. An attempt was made to represent a company from each local board area.

Bot Construction Group

1224 Speers Road
Oakville, Ontario L6L 2X4
Telephone: 1 905 827 4167
Fax: 1 905 827 0458
www.botconstruction.ca

EllisDon Corporation

89 Queensway Avenue West, Suite 800
Mississauga, Ontario L5B 2V2
Phone: 1 905 896 8900
Fax: 1 905 896 8911
www.ellisdon.com

BJ Brickwork Construction Ltd.

55 16th Avenue
Richmond Hill, Ontario, L4C 7A5
Telephone: 1 905 886 1045
Fax: 1 905 731 2327
www.bjbrickwork.com

For a more complete listing of potential employers please visit www.labourmarketinformation.ca.

ENDNOTES

¹Human Resources Skills Development Canada. National Occupational Classification System 2006. www5.hrsdc.gc.ca/NOC.

²Human Resources Skills Development Canada. Essential Skills Profiles. www.hrsdc.gc.ca/eng/workplaceskills/essential_skills/general/home.shtml

³Service Canada. Job Futures – National Edition. 2007. www.jobfutures.ca.

⁴Statistics Canada. 2006 Census. www.statcan.gc.ca.
Note: These salaries represent an average of both unionized and non-unionized workers. Salaries may vary by workplace.

⁵Statistics Canada. Canadian Business Patterns Data. December 2003, June 2009. www.statcan.gc.ca.

⁶Human Resources Skills Development Canada. Matrix of Skills Transferability – January 2003. www.hrsdc.gc.ca.

Contractors & Supervisors, Other Construction Trades, Installers, Repairers & Servicers**NOC 7219**

This unit group includes roofing, masonry, painting and other construction trade contractors, not elsewhere classified, who own and operate their own business. Supervisors in this unit group supervise and co-ordinate the activities of various tradespersons, installers, repairers and servicers classified in the following minor groups: Masonry and Plastering Trades (728), Other Construction Trades (729) and Other Installers, Repairers and Servicers (744). This unit group also includes prefabricated product installation and service contractors and proprietors of some repair and service establishments.¹

Places of Employment¹:

- Service and repair shops
- Self-employed
- Construction companies

Employment Requirements¹:

- Completion of secondary school usually required
- Several years of experience in the trade or in the work area supervised are usually required
- Trade certification may be required for some occupations in this unit group

Local Educational Programs:

Program	Length	Certification	Institutions
Construction and Environment - Regulations & Compliance	4 years	Degree	George Brown College
Construction Engineering Technician/Technology	2 years (technician) 3 years (technology)	Diploma Advanced Diploma	George Brown College
Construction Science and Management	4 years	Bachelor's Degree	George Brown College
Construction Trades and Techniques	N/A	Certificate	George Brown College

Local Union and Training Centre**LIUNA Local 183 Training Centre**

8700 Huntington Road, Woodbridge, Ontario

Tel: 416-242-7551 Fax: 416-242-7785 www.183training.com**Labourers Local 506**

1600 Major MacKenzie Dr. East, Richmond Hill, Ontario L4S 1P4

Tel: 905-883-4268

The most important Essential Skills for this occupation are²:

- Numeracy
- Oral communication

The most important High School subjects are³:

- Industrial arts
- Math
- Machine shop
- English

Number of Employees by Age Range⁴:

Employees by Age Range	Peel Halton	Toronto	York Region Brad WG	Total
15 – 24 years	75	85	55	215
25 – 44 years	690	945	520	2,155
45 years and over	420	580	475	1,475
Total Employees	1,185	1,610	1,050	3,845
% 45 years +	35.44%	36.02%	45.24%	38.36%

Source: Statistics Canada, 2006 Census

Average Salary

Average Salary based on 2006 Census Data ⁴	
Peel Halton	\$ 58,982
Toronto	\$ 49,317
York Region Brad WG	\$ 62,502
Ontario	\$ 54,683

Contractors & Supervisors, Other Construction Trades, Installers, Repairers & Servicers**NOC 7219****Top Industries of Employment for 3 regions^{4,5}:**

Across all three regions there are a total of 3,840 contractors and supervisors, other construction trades, installers, repairers and servicers employed. The top industries of employment are:

Industry (NAICS)	Number of People Employed	% of Total	Number of Employers Dec 2003	Number of Employers Jun 2009	Absolute Change % 03 - 09	Change 03 - 09
238 Specialty trade contractors	2,115	55.08%	23,111	24,416	1,305	5.65%
236 Construction of buildings	1, 195	31.12%	13,667	13,829	162	1.19%

Source: Statistics Canada, 2006 Census; Statistics Canada. Canadian Business Patterns Data. December 2003, June 2009.

Additional Information¹:

- There is little or no mobility among supervisors in this unit group

Matrix of Skills Transferability⁶:

Transferability between occupations has been analyzed using the National Occupational Coding system. Judgments have been made based on an analysis of available information regarding the overlap of knowledge and skills and labour market hiring practices for occupations.

There are no direct occupations linked to this occupation based on the matrix of skills transferability. However, the following have been identified as related occupations:

- Construction Managers
- Carpenters

Local Employers:

The following list of employers was randomly selected as examples of companies employing this occupation. An attempt was made to represent a company from each local board area.

Maxum Drywall Inc.
1681 Langstaff Road, Unit #18
Vaughan, Ontario L4K 5T3
Telephone: 1 905 856 4108
Fax: 1 905 856 9413
www.maxumdrywall.com

The Oak Stair Limited
46 Ashbridge Circle
Woodbridge, Ontario L4L 3R5
Telephone: 1 905 851 1122
Fax: 1 905 851 1124
www.oakstair.com

Walter's Landscaping
10 Ruggles Avenue
Thornhill, Ontario L3T 3S5
Telephone: 1 905 889 2691
Fax: 1 905 889 8791
www.walterslandscaping.com

For a more complete listing of potential employers please visit www.labourmarketinformation.ca.

ENDNOTES

¹Human Resources Skills Development Canada. National Occupational Classification System 2006. www5.hrsdc.gc.ca/NOC.

²Human Resources Skills Development Canada. Essential Skills Profiles. www.hrsdc.gc.ca/eng/workplaceskills/essential_skills/general/home.shtml

³Service Canada. Job Futures – National Edition. 2007. www.jobfutures.ca.

⁴Statistics Canada. 2006 Census. www.statcan.gc.ca.
Note: These salaries represent an average of both unionized and non-unionized workers. Salaries may vary by workplace.

⁵Statistics Canada. Canadian Business Patterns Data. December 2003, June 2009. www.statcan.gc.ca.

⁶Human Resources Skills Development Canada. Matrix of Skills Transferability – January 2003. www.hrsdc.gc.ca.

Drafting Technologists and Technicians

NOC 2253

Drafting technologists and technicians prepare engineering designs, drawings and related technical information, in multidisciplinary engineering teams or in support of engineers, architects or industrial designers, or they may work independently.¹

Places of Employment¹:

- Consulting companies
- Construction companies
- Utility companies
- Resource companies
- Government

Employment Requirements¹:

- Completion of secondary school is usually required
- Completion of a two- to three-year college program in engineering design and drafting technology or in a related field is usually required for drafting and design technologists
- Completion of a one- to two-year college program in drafting or completion of a three to four year apprenticeship program or four to five years of related experience plus completion of college or industry courses in drafting are usually required for drafting technicians
- Trade certification for draftspersons is available, but voluntary in Ontario
- Certification in engineering design and drafting technology or in a related field through provincial associations of engineering/applied science technologists and technicians may be required by employers
- A period of supervised work experience, usually two years, is required before certification

Local Educational Programs:

Program	Length	Certification	Institutions
Architectural Science	4 years	Bachelor of Architectural Science	Ryerson University
Architectural Technician/Technology	2 years (technician) 3 years (technology)	Diploma Advanced Diploma	Centennial College, George Brown College, Humber College, Sheridan College
Mechanical Engineering Technician/Technology - Design and Drafting	2 years regular 3 years Co-op	Diploma Advanced Diploma	Sheridan College

The most important Essential Skills for this occupation are²:

- Reading text
- Document use
- Computer use
- Numeracy

The most important High School subjects are³:

- Math
- Graphic design
- Drafting
- Blueprint reading
- Sciences

Number of Employees by Age Range⁴:

Employees by Age Range	Peel Halton	Toronto	York Region Brad WG	Total
15 – 24 years	145	110	90	345
25 – 44 years	740	1,025	345	2,110
45 years and over	650	655	350	1,655
Total Employees	1,535	1,790	785	4,110
% 45 years +	42.35%	36.59%	44.59%	40.27%

Source: Statistics Canada, 2006 Census

Average Salary

Average Salary based on 2006 Census Data ⁴	
Peel Halton	\$ 52,620
Toronto	\$ 42,529
York Region Brad WG	\$ 48,155
Ontario	\$ 49,427

Drafting Technologists and Technicians

NOC 2253

Top Industries of Employment for 3 regions^{4,5}:

Across all three regions there are 4,110 drafting technologists and technicians employed. The top industries of employment are:

Industry (NAICS)	Number of People Employed	% of Total	Number of Employers Dec 2003	Number of Employers Jun 2009	Absolute Change % 03 - 09	Change 03 - 09
541 Professional, scientific and technical services	2,200	53.59%	76,758	77,367	609	0.79%
332 Fabricated metal product manufacturing	295	7.19%	3,024	2,586	-438	-14.48%
221 Utilities	165	4.02%	180	281	101	56.11%

Source: Statistics Canada, 2006 Census; Statistics Canada. Canadian Business Patterns Data. December 2003, June 2009.

Additional Information¹:

- Mobility is possible to civil, mechanical, electrical or other engineering design technologies through educational or work specialization
- Senior and supervisory drafting and design technology workers require experience

Matrix of Skills Transferability⁶:

Transferability between occupations has been analyzed using the National Occupational Coding system. Judgments have been made based on an analysis of available information regarding the overlap of knowledge and skills and labour market hiring practices for occupations. Occupations to which transferability exists are:

There are no direct occupations linked to this occupation based on the matrix of skills transferability. However, the following have been identified as related occupations:

- Architects, Urban Planners and Land Surveyors (NOC 215)

Local Employers:

The following list of employers was randomly selected as examples of companies employing this occupation. An attempt was made to represent a company from each local board area.

Etratech Inc.
1047 Cooke Boulevard
Burlington, Ontario L7T 4A8
Telephone: 1 905 681 7544
Fax: 1 905 681 7601
www.etratech.com

Stantec
401 Wellington Street West, Suite 100
Toronto, Ontario M5V 1E7
Telephone: 1 416 596 6686
Fax: 1 416 596 6680
www.stantec.com

Rochon Engineering Corporation
84 Simpson Road
Bolton, Ontario L7E 4G2
Telephone: 1 905 660 7660
Fax: 1 905 857 9196
www.rochons.ca

For a more complete listing of potential employers please visit www.labourmarketinformation.ca.

ENDNOTES

¹Human Resources Skills Development Canada. National Occupational Classification System 2006. www5.hrsdc.gc.ca/NOC.

²Human Resources Skills Development Canada. Essential Skills Profiles. www.hrsdc.gc.ca/eng/workplaceskills/essential_skills/general/home.shtml

³Service Canada. Job Futures – National Edition. 2007. www.jobfutures.ca.

⁴Statistics Canada. 2006 Census. www.statcan.gc.ca.
Note: These salaries represent an average of both unionized and non-unionized workers. Salaries may vary by workplace.

⁵Statistics Canada. Canadian Business Patterns Data. December 2003, June 2009. www.statcan.gc.ca.

⁶Human Resources Skills Development Canada. Matrix of Skills Transferability – January 2003. www.hrsdc.gc.ca.

Electricians (except industrial and power system)

NOC 7241

Electricians in this unit group lay out, assemble, install, test, troubleshoot and repair electrical wiring, fixtures, control devices and related equipment in buildings and other structures.¹

Places of Employment¹:

- Electrical contractors
- Self employed
- Maintenance departments of buildings and other establishments

Employment Requirements¹:

- Completion of secondary school is usually required
- Completion of a four- to five-year apprenticeship program is usually required
- Trade certification for construction electricians is compulsory in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Quebec, Ontario, Saskatchewan, Alberta, British Columbia, Nunavut, the Northwest Territories and the Yukon, and available, but voluntary, in Manitoba
- Trade certification for electricians (domestic and rural) is mandatory in Quebec and Ontario, and available, but voluntary, in Newfoundland and Labrador
- Interprovincial trade certification (Red Seal) is also available to qualified construction electricians

Local Educational Programs:

Program	Length	Certification	Institutions
Construction and Maintenance Electrician Apprenticeship	N/A	Apprenticeship	George Brown College, Humber College, Sheridan College
Electric Apprenticeship	N/A	Apprenticeship	Centennial College, Humber College, Sheridan College

Local Union and Training Centre

International Brotherhood of Electrical Workers Local 353
1377 Lawrence Ave East, North York, On M3A 3P8
Tel: 416-510-3530 Fax: 416-510-3531 www.ibew353.org

The most important Essential Skills for this occupation are²:

- Reading text
- Numeracy
- Document use

The most important High School subjects are³:

- Math
- English
- Industrial arts

Number of Employees by Age Range⁴:

Employees by Age Range	Peel Halton	Toronto	York Region Brad WG	Total
15 – 24 years	475	405	325	1,205
25 – 44 years	1,615	1,925	1,215	4,755
45 years and over	920	1,320	815	3,055
Total Employees	3,010	3,650	2,355	9,015
% 45 years +	30.56%	36.16%	34.61%	33.89%

Source: Statistics Canada, 2006 Census

Average Salary

Average Salary based on 2006 Census Data ⁴	
Peel Halton	\$ 50,795
Toronto	\$ 47,352
York Region Brad WG	\$ 56,552
Ontario	\$ 51,474

Electricians (except industrial and power system)

NOC 7241

Top Industries of Employment for 3 regions^{4,5}:

Across all three regions there are 9,015 electricians employed.

The top industries of employment are:

Industry (NAICS)	Number of People Employed	% of Total	Number of Employers Dec 2003	Number of Employers Jun 2009	Absolute Change % 03 - 09	Change 03 - 09
238 Specialty trade contractors	7,655	84.87%	23,111	24,416	1,305	5.65%
236 Construction of buildings	630	6.98%	13,667	13,829	162	1.19%

Source: Statistics Canada, 2006 Census; Statistics Canada. Canadian Business Patterns Data. December 2003, June 2009.

Additional Information¹:

- Progression to supervisory positions is possible with experience
- Red Seal trade certification allows for interprovincial mobility

Matrix of Skills Transferability⁶:

Transferability between occupations has been analyzed using the National Occupational Coding system. Judgments have been made based on an analysis of available information regarding the overlap of knowledge and skills and labour market hiring practices for occupations. Occupations to which transferability exists are:

No occupations were found where direct transfers exist however occupations with significant overlap between the skills and knowledge required are:

- Industrial electricians (7242)
- Power system electrician (7243)

Local Employers:

The following list of employers was randomly selected as examples of companies employing this occupation. An attempt was made to represent a company from each local board area.

Ridgewood Electric Ltd.
120 Rutherford Road South
Brampton, Ontario L6W 3J5
Telephone: 1 905 454 2721
Fax: 1 905 454 2725
www.ridgewood-electric.com

Everest Restoration
100 Cherry Street
Toronto, Ontario M5A 3L1
Telephone: 1 416 465 3989
Fax: 1 416 465 9589
www.everest-restoration.com

P&C General Contracting Ltd.
250 Shields Court, Unit 24
Markham, Ontario L3R 9W7
Telephone: 1 905 479 3015
Fax: 1 905 479 0470
www.pandccontracting.com

For a more complete listing of potential employers please visit www.labourmarketinformation.ca.

ENDNOTES

¹Human Resources Skills Development Canada. National Occupational Classification System 2006. www5.hrsdc.gc.ca/NOC.

²Human Resources Skills Development Canada. Essential Skills Profiles. www.hrsdc.gc.ca/eng/workplaceskills/essential_skills/general/home.shtml

³Service Canada. Job Futures – National Edition. 2007. www.jobfutures.ca.

⁴Statistics Canada. 2006 Census. www.statcan.gc.ca.
Note: These salaries represent an average of both unionized and non-unionized workers. Salaries may vary by workplace.

⁵Statistics Canada. Canadian Business Patterns Data. December 2003, June 2009. www.statcan.gc.ca.

⁶Human Resources Skills Development Canada. Matrix of Skills Transferability – January 2003. www.hrsdc.gc.ca.

Facility Operation and Maintenance Manager

NOC 0721

Facility operation managers plan, organize, direct, control and evaluate the operations of commercial, transportation and recreational facilities and the included real estate. Maintenance managers plan, organize, direct, control and evaluate the maintenance department within commercial, industrial, institutional, recreational and other facilities. Facility operation and maintenance managers are also responsible for ensuring energy efficiency, conducting or organizing energy audits and carrying out initiatives to ensure energy efficiency¹.

Places of Employment¹:

- Public facilities such as universities, schools and sports facilities
- Manufacturing and other industrial establishments
- Airports
- Shopping centres
- Convention centres
- Warehouses
- Office buildings

Employment Requirements¹:

- Facility operation managers require completion of a college or university program in business administration or in a discipline related to facility operation and maintenance or an equivalent combination of technical training and experience in administration or maintenance.
- Maintenance managers require completion of a college or university program in electrical or mechanical engineering or in another discipline related to building maintenance or an equivalent combination of technical training and experience in building maintenance.
- Several years of supervisory experience in facility operations or maintenance are usually required.

Local Educational Programs:

Program	Length	Certification	Institutions
Business Administration	4 years	Degree	Ryerson University, University of Toronto, University of Trent, York University
Business Administration	3 years	Diploma	Georgian College, Humber College, Durham College
Building Environmental Systems Facility Manager	2 years	Certificate	Seneca College
Facilities Maintenance Mechanic Apprenticeship	2 years	Certificate	Durham College

The most important Essential Skills for this occupation are²:

- Oral communication
- Document use
- Problem solving
- Working with others

Number of Employees by Age Range³:

Age Range	Durham	Peel Halton	Simcoe Muskoka	Toronto	York Region BWG	Total
15 – 24 years	10	80	10	90	60	250
25 – 44 years	250	1,540	170	1,600	840	4,400
45 years and over	250	1,475	300	1,540	635	4,200
Total Employees	510	3,095	480	3,230	1,535	8,845
% 45 years +	49.02%	47.66%	62.50%	47.68%	41.50%	47.48%

Source: Statistics Canada, 2006 Census

Average Salary

Based on 2006 Census Data⁴:

Durham	\$ 69,751
Peel Halton	\$ 63,139
Simcoe Muskoka	\$ 57,690
Toronto	\$ 57,332
York Region BWG	\$ 66,646
Ontario	\$ 61,966

Facility Operation and Maintenance Manager

NOC 0711

Top Industries of Employment for 5 regions^{3,4}:

Across all five regions, there are 8,845 facility operations and maintenance managers employed. The top industries of employment are:

Industry (NAICS)	Number of People Employed	% of Total
713 Amusement, gambling and recreation industries	580	6.56%
531 Real estate	520	5.88%
561 Administrative and support services	505	5.71%
913 Local, municipal and regional public administration	440	4.97%
417 Machinery, equipment and supplies wholesaler-distributors	405	4.58%
493 Warehousing and storage	400	4.52%
541 Professional, scientific and technical services	360	4.07%

Source: Statistics Canada, 2006 Census; Statistics Canada. Canadian Business Patterns Data. December 2003, June 2009.

Matrix of Skills Transferability⁶:

Transferability between occupations has been analyzed using the National Occupational Coding system. Judgments have been made based on an analysis of available information regarding the overlap of knowledge and skills and labour market hiring practices for occupations. Occupations to which transferability exists are:

There are no direct occupations linked to this occupation based on the matrix of skills transferability. However, the following have been identified as related occupations:

- Medical Technologists and Technicians (Except Dental) (NOC 321)
- Aircraft Mechanics and Aircraft Inspectors (NOC 7315)

Local Employers:

The following list of employers was randomly selected as examples of companies employing this occupation. An attempt was made to represent a company from each local board area.

Durham District School Board

400 Taunton Road East
Whitby, Ontario L1R 2K6
www.durham.edu.on.ca

Hilton Toronto

145 Richmond Street West
Toronto, Ontario M5H 2L2
www.hilton.ca

Travelodge Barrie

55 Hart Drive
Barrie, Ontario L4N 5M3
www.travelodge.com

For a more complete listing of potential employers please visit www.labourmarketinformation.ca.

ENDNOTES

¹Human Resources Skills Development Canada. National Occupational Classification System 2006. www5.hrsdc.gc.ca/NOC.

²Human Resources Skills Development Canada. Essential Skills Profiles. www.hrsdc.gc.ca/eng/workplaceskills/essential_skills/general/home.shtml

³Statistics Canada. 2006 Census. www.statcan.gc.ca.

⁴Statistics Canada. Canadian Business Patterns Data. December 2003, June 2009. www.statcan.gc.ca.

⁵Human Resources Skills Development Canada. Matrix of Skills Transferability – January 2003. www.hrsdc.gc.ca.

Land Survey Technologists and Technicians

NOC 2254

Land survey technologists and technicians conduct or participate in surveys to determine the exact locations and relative positions of natural features and other structures on the earth's surface, underground and underwater. The measurements and other detailed information gathered by land survey technologists and technicians are essential for surveyors, engineers, lawyers, planners, scientists, developers, and others. This data is utilized before construction of any kind takes place, whether of homes, parking lots, dams, highways, pipelines, and wells.¹

Places of Employment¹:

- Government
- Architectural/construction companies
- Utility companies
- Manufacturing companies
- Design, surveying and mapping firms

Employment Requirements¹:

- Completion of secondary school is usually required
- Completion of a two- to three-year college program in geomatics or survey technology is usually required for survey technologists
- Completion of a one- to two-year college program in geomatics or survey technology is usually required for survey technicians
- Certification by provincial associations of technicians and technologists may be required by some employers

Local Educational Programs:

Program	Length	Certification	Institutions
Applied Digital Geography and GIS Certificate	N/A	Certificate in Applied Digital Geography and GIS	Ryerson University
Architectural Science	4 years	Bachelor of Architectural Science	Ryerson University
Civil Engineering	4 years	Bachelor's Degree	Ryerson University, University of Toronto
Civil Engineering Technician/Technology	2 – 3 years	Diploma/Advanced Diploma	George Brown College, Humber College, Seneca College
Geographic Analysis	4 years	Bachelor of Arts in Geographic Analysis	Ryerson University
Geographic Information Systems	4 years	Bachelor of Arts	University of Toronto
Geographic Information Systems & Remote Sensing Certificate	1 year	Certificate in GIS and Remote Sensing	York University
Mechanical Engineering Technician/Technology – Design and Drafting	2 years regular 3 years Co-op	Diploma Advanced Diploma	Sheridan College
Urban and Regional Planning	4 years	Bachelor of Urban and Regional Planning	Ryerson University

The most important Essential Skills for this occupation are²:

- Document use
- Numeracy
- Decision making

The most important High School subjects are³:

- Math
- Computer-related courses
- Sciences
- Drafting
- Blueprint reading

Number of Employees by Age Range⁴:

Employees by Age Range	Peel Halton	Toronto	York Region Brad WG	Total
15 – 24 years	25	30	25	80
25 – 44 years	0	25	10	35
45 years and over	25	20	10	55
Total Employees	50	75	45	170
% 45 years +	0.85%	26.67%	22.22%	32.35%

Source: Statistics Canada, 2006 Census

Average Salary

Average Salary based on 2006 Census Data ⁴	
Peel Halton	\$ 52,447
Toronto	\$ 45,823
York Region Brad WG	No data
Ontario	\$ 44,410

Land Survey Technologists and Technicians

NOC 2254

Top Industries of Employment for 3 regions^{4,5}:

Across all three regions there are a total of 175 land survey technologists and technicians employed. The top industries of employment are:

Industry (NAICS)	Number of People Employed	% of Total	Number of Employers Dec 2003	Number of Employers Jun 2009	Absolute Change % 03 - 09	Change 03 - 09
541 Professional, scientific and technical services	90	51.43%	76,758	77,367	609	0.79%
913 Local, municipal and regional public administration	55	31.43%	35	56	21	60.0%
236 Construction of buildings	10	5.71%	13,667	13,829	162	1.19%
237 Heavy and civil engineering construction	10	5.71%	5,042	5,096	54	1.07%
561 Administrative and support services	10	5.71%	20,942	19,811	-1,131	-5.40%
911 Federal government public administration	10	5.71%	8	36	28	350.00%

Source: Statistics Canada, 2006 Census; Statistics Canada. Canadian Business Patterns Data. December 2003, June 2009.

Additional Information¹:

- Mobility is possible between the various occupations in this unit group
- Progression to supervisory positions is possible with experience
- Progression to land surveyor position is possible with completion of professional surveyor examinations and certification

Matrix of Skills Transferability⁶:

Transferability between occupations has been analyzed using the National Occupational Coding system. Judgments have been made based on an analysis of available information regarding the overlap of knowledge and skills and labour market hiring practices for occupations. Occupations to which transferability exists are:

There are no direct occupations linked to this occupation based on the matrix of skills transferability. However, the following have been identified as related occupations:

- Drafting Technologists and Technicians (NOC 2253)
- Architects, Urban Planners and Land Surveyors (NOC 215)

Local Employers:

The following list of employers was randomly selected as examples of companies employing this occupation. An attempt was made to represent a company from each local board area.

A W Hooker Associates Ltd.

2896 South Sheridan Way, Oakville, Ontario L6J 7G9

Telephone: 1 905 829 9436

Fax: 1 905 829 9440

www.awhooker.com

Build Max Limited

1244A Bloor Street West, Toronto, Ontario M6H 1N5

Telephone: 1 416 588 6999

Fax: 1 416 588 1433

www.buildmaxltd.ca

Krcmar Surveyors Ltd.

1137 Centre Street, Thornhill, Ontario L4J 3M6

Telephone: 1 905 738 0053

Fax: 1 905 738 9221

www.krcmar.ca

For a more complete listing of potential employers please visit www.labourmarketinformation.ca.

ENDNOTES

¹Human Resources Skills Development Canada. National Occupational Classification System 2006. www5.hrsdc.gc.ca/NOC.

²Human Resources Skills Development Canada. Essential Skills Profiles. www.hrsdc.gc.ca/eng/workplaceskills/essential_skills/general/home.shtml

³Service Canada. Job Futures – National Edition. 2007. www.jobfutures.ca.

⁴Statistics Canada. 2006 Census. www.statcan.gc.ca.
Note: These salaries represent an average of both unionized and non-unionized workers. Salaries may vary by workplace.

⁵Statistics Canada. Canadian Business Patterns Data. December 2003, June 2009. www.statcan.gc.ca.

⁶Human Resources Skills Development Canada. Matrix of Skills Transferability – January 2003. www.hrsdc.gc.ca.

Mapping and Related Technologists and Technicians

NOC 2255

Mapping and related technologists and technicians gather, analyze, interpret and use geospatial information for applications in natural resources, geology, environment and land use planning. This unit group includes technologists and technicians who design and prepare maps, interpret aerial photographs, operate interpretative and airborne remote sensing equipment, and develop and operate geographical information systems.¹

Places of Employment¹:

- Government
- Armed forces
- Utilities companies
- Mapping companies
- Computer software companies
- Forestry companies
- Architectural companies
- Engineering firms
- Consulting companies

Employment Requirements¹:

- Completion of secondary school is required
- Technologists in this unit group require completion of a two- to three-year college program in cartography, photogrammetry, aerial survey, remote sensing, geographic information system or geomatics
- Technicians in this unit group require completion of a one- to two-year college program in cartography, photogrammetry, aerial survey, remote sensing, geographic information system or geomatics

Local Educational Programs:

Program	Length	Certification	Institutions
Applied Digital Geography and GIS Certificate	N/A	Certificate in Applied Digital Geography and GIS	Ryerson University
Environmental Geosciences	4 years	Bachelor of Science	University of Toronto
Geographic Analysis	4 years	Bachelor of Arts in Geographic Analysis	Ryerson University
Geographic Information Systems	4 years	Bachelor of Arts	University of Toronto
Geomatics Engineering	4 years	Bachelor of Applied Science	York University

The most important Essential Skills for this occupation are²:

- Reading text
- Writing
- Document use
- Computer use
- Numeracy
- Thinking skills

The most important High School subjects are³:

- Math
- Computer related courses
- Graphic design
- Drafting
- Sciences

Number of Employees by Age Range⁴:

Employees by Age Range	Peel Halton	Toronto	York Region Brad WG	Total
15 – 24 years	25	25	0	50
25 – 44 years	140	205	85	430
45 years and over	45	90	40	175
Total Employees	210	320	125	655
% 45 years +	21.43%	28.13%	32.00%	26.72%

Source: Statistics Canada, 2006 Census

Average Salary

Average Salary based on 2006 Census Data ⁴	
Peel Halton	\$ 53,107
Toronto	\$ 52,053
York Region Brad WG	\$ 56,927
Ontario	\$ 52,857

Mapping and Related Technologists and Technicians

NOC 2255

Top Industries of Employment for 3 regions^{4,5}:

Across all three regions there are 655 mapping and related technologists and technicians employed. The top industries of employment are:

Industry (NAICS)	Number of People Employed	% of Total	Number of Employers Dec 2003	Number of Employers Jun 2009	Absolute Change % 03 - 09	Change 03 - 09
541 Professional, scientific and technical services	220	33.33%	76,758	77,367	609	0.79%
913 Local, municipal and regional public administration	165	25.00%	35	56	21	60.00%
517 Telecommunications	40	6.06%	484	744	260	53.72%
912 Provincial and territorial public administration	40	6.06%	45	243	198	440.00%

Source: Statistics Canada, 2006 Census; Statistics Canada. Canadian Business Patterns Data. December 2003, June 2009.

Additional Information¹:

- Geomatics is an interdisciplinary field encompassing the collection, analysis and presentation of geographically referenced data
- Mobility is possible between some occupations in this unit group

Matrix of Skills Transferability⁶:

Transferability between occupations has been analyzed using the National Occupational Coding system. Judgments have been made based on an analysis of available information regarding the overlap of knowledge and skills and labour market hiring practices for occupations. Occupations to which transferability exists are:

There are no direct occupations linked to this occupation based on the matrix of skills transferability. However, the following have been identified as related occupations:

- Drafting Technologists and Technicians (NOC 2253)
- Architects, Urban Planners and Land Surveyors (NOC 215)

Local Employers:

The following list of employers was randomly selected as examples of companies employing this occupation. An attempt was made to represent a company from each local board area.

A W Hooker Associates Ltd
2896 South Sheridan Way
Oakville, Ontario L6J 7G9
Telephone: 1 905 829 9436
Fax: 1 905 829 9440
www.awhooker.com

Krcmar Surveyors Ltd.
1137 Centre Street
Thornhill, Ontario L4J 3M6
Telephone: 1 905 738 0053
Fax: 1 905 738 9221
www.krcmar.ca

Build Max Limited
1244A Bloor Street West
Toronto, Ontario M6H 1N5
Telephone: 1 416 588 6999
Fax: 1 416 588 1433
www.buildmaxltd.ca

For a more complete listing of potential employers please visit www.labourmarketinformation.ca.

ENDNOTES

¹Human Resources Skills Development Canada. National Occupational Classification System 2006. www5.hrsdc.gc.ca/NOC.

²Human Resources Skills Development Canada. Essential Skills Profiles. www.hrsdc.gc.ca/eng/workplaceskills/essential_skills/general/home.shtml

³Service Canada. Job Futures – National Edition. 2007. www.jobfutures.ca.

⁴Statistics Canada. 2006 Census. www.statcan.gc.ca.
Note: These salaries represent an average of both unionized and non-unionized workers. Salaries may vary by workplace.

⁵Statistics Canada. Canadian Business Patterns Data. December 2003, June 2009. www.statcan.gc.ca.

⁶Human Resources Skills Development Canada. Matrix of Skills Transferability – January 2003. www.hrsdc.gc.ca.

Plumber

NOC 7251

Plumbers install, repair and maintain pipes, fixtures and other plumbing equipment used for water distribution and waste water disposal in residential, commercial and industrial buildings.¹

Places of Employment¹:

- Maintenance departments of factories, plants and other establishments
- Plumbing contractors
- Self employed

Employment Requirements¹:

- Completion of secondary school is usually required
- Completion of a four- to five-year apprenticeship program or a combination of over five years of work experience in the trade and some high school, college or industry courses in plumbing is usually required to be eligible for trade certification
- Trade certification is compulsory in Nova Scotia, Prince Edward Island, New Brunswick, Quebec, Ontario, Saskatchewan, Alberta and British Columbia and available, but voluntary, in Newfoundland and Labrador, Manitoba, Nunavut, the Northwest Territories and the Yukon
- Interprovincial trade certification (Red Seal) is available to qualified plumbers

Local Educational Programs:

Program	Length	Certification	Institutions
Construction Millwright	N/A	Apprenticeship	Sheridan College
Construction Trades and Techniques	N/A	Certificate	George Brown College
Plumber	N/A	Apprenticeship	George Brown College, Humber College
Welding Techniques	N/A	Certificate	Sheridan College

Local Union and Training Centre

Plumbers & Steamfitters Local 46

936 Warden Ave., Scarborough, Ontario M1L 4C9

Tel: 416-759-9351 Fax: 416-759-7346

Refrigeration Workers Local 787

419 Deerhurst Drive, Brampton, Ontario L6T 5K3

Tel: 905-790-1019 Fax: 905-790-1022 Toll Free: 1-800-387-9121

The most important Essential Skills for this occupation are²:

- Document use
- Numeracy

The most important High School subjects are³:

- Math
- Sciences
- Industrial arts

Number of Employees by Age Range⁴:

Employees by Age Range	Peel Halton	Toronto	York Region Brad WG	Total
15 – 24 years	280	310	275	865
25 – 44 years	890	1,315	810	3,015
45 years and over	570	855	525	1,950
Total Employees	1,740	2,480	1,610	5,830
% 45 years +	32.76%	34.48%	32.61%	33.45%

Source: Statistics Canada, 2006 Census

Average Salary

Average Salary based on 2006 Census Data ¹	
Peel Halton	\$ 55,440
Toronto	\$ 47,186
York Region Brad WG	\$ 53,007
Ontario	\$ 49,021

Plumber

NOC 7251

Top Industries of Employment for 3 regions^{4,5}:

Across all three regions there are 5,830 plumbers employed.

The top industries of employment are:

Industry (NAICS)	Number of People Employed	% of Total	Number of Employers Dec 2003	Number of Employers Jun 2009	Absolute Change % 03 - 09	Change 03 - 09
238 Specialty trade contractors	4,495	77.17%	23,111	24,416	1,305	5.65%
236 Construction of buildings	550	9.44%	13,667	13,829	162	1.19%
611 Educational services	150	2.58%	3,956	4,854	898	22.70%

Source: Statistics Canada, 2006 Census; Statistics Canada. Canadian Business Patterns Data. December 2003, June 2009.

Matrix of Skills Transferability⁶:

Transferability between occupations has been analyzed using the National Occupational Coding system. Judgments have been made based on an analysis of available information regarding the overlap of knowledge and skills and labour market hiring practices for occupations. Occupations to which transferability exists are:

There are no direct occupations linked to this occupation based on the matrix of skills transferability. However, the following have been identified as related occupations:

- Steamfitters, pipefitters and sprinkler system installers (7252)

Local Employers:

The following list of employers was randomly selected as examples of companies employing this occupation. An attempt was made to represent a company from each local board area.

Adelt Mechanical Works

2640 Argentia Rd.
Mississauga, Ontario L5N 6C5
Telephone: 1 905 812 7900
Fax: 1 905 812 7907
www.adeltmechanical.com

The RenoBuild Group Inc.

97 Lawson Road
Toronto, Ontario M1C 2J1
Telephone: 1 416 281 5333
Fax: 1 416 281 9595
www.renobuild.ca

New Water Plumbing Inc.

34 Doncaster Avenue, Unit 10
Thornhill, Ontario L3T 4S1
Telephone: 1 905 731 2066
Fax: 1 905 731 Q293
www.newwaterplumbing.ca

For a more complete listing of potential employers please visit www.labourmarketinformation.ca.

ENDNOTES

¹Human Resources Skills Development Canada. National Occupational Classification System 2006. www5.hrsdc.gc.ca/NOC.

²Human Resources Skills Development Canada. Essential Skills Profiles. www.hrsdc.gc.ca/eng/workplaceskills/essential_skills/general/home.shtml

³Service Canada. Job Futures – National Edition. 2007. www.jobfutures.ca.

⁴Statistics Canada. 2006 Census. www.statcan.gc.ca.
Note: These salaries represent an average of both unionized and non-unionized workers. Salaries may vary by workplace.

⁵Statistics Canada. Canadian Business Patterns Data. December 2003, June 2009. www.statcan.gc.ca.

⁶Human Resources Skills Development Canada. Matrix of Skills Transferability – January 2003. www.hrsdc.gc.ca.

Property Manager

NOC 1224

Property managers perform administrative duties and coordinate activities related to the management and rental of investment property and real estate on behalf of property owners. They coordinate the implementation of repairs, maintenance and renovations carried out on buildings and monitor progress and cost of work for property owners. They also compile and maintain records on operating expenses and income, prepare reports and review rents. Property managers also coordinate the sustainability and energy efficiency efforts undertaken at the properties they manage¹.

Places of Employment¹:

- Property and real estate management companies
- Property development companies
- Business
- Government

Employment Requirements¹:

- Completion of secondary school is required.
- Completion of training courses or a vocational program in property management or real estate may be required.
- Several years of administrative experience as a property clerk, contract clerk, or administrative officer are usually required.
- Trade or general maintenance experience may be required

Local Educational Programs:

Program	Length	Certification	Institutions
Business Administration	4 years	Degree	Ryerson University, University of Toronto, University of Trent, York University
Business Administration	4 years	Bachelor of Commerce	University of Ontario Institute of Technology
Business Administration	3 years	Diploma	Georgian College, Humber College, Durham College
Real Property Administration	2 years	Diploma	Seneca College

The most important Essential Skills for this occupation are²:

- Oral communication
- Problem solving
- Organization
- Job Task Planning

Number of Employees by Age Range³:

Age Range	Durham	Peel Halton	Simcoe Muskoka	Toronto	York Region BWG	Total
15 – 24 years	25	55	25	185	25	315
25 – 44 years	165	615	90	2,475	350	3,695
45 years and over	185	995	280	3,670	560	5,690
Total Employees	375	1,665	395	6,330	935	9,700
% 45 years +	49.33%	59.76%	70.89%	57.98%	59.89%	58.66%

Source: Statistics Canada, 2006 Census

Average Salary

Based on 2006 Census Data⁴:

Durham	\$ 51,783
Peel Halton	\$ 52,072
Simcoe Muskoka	\$ 39,364
Toronto	\$ 72,885
York Region BWG	\$ 66,928
Ontario	\$ 56,167

Property Manager

NOC 1224

Top Industries of Employment for 5 regions^{3,4}:

Across all five regions, there are 9,700 property managers employed. The top industries of employment are:

Industry (NAICS)	Number of People Employed	% of Total
531 Real estate	7,955	82.01%
561 Administrative and support services	365	3.76%
541 Professional, scientific and technical services	255	2.63%

Source: Statistics Canada, 2006 Census; Statistics Canada. Canadian Business Patterns Data. December 2003, June 2009.

Matrix of Skills Transferability⁵:

Transferability between occupations has been analyzed using the National Occupational Coding system. Judgments have been made based on an analysis of available information regarding the overlap of knowledge and skills and labour market hiring practices for occupations. Occupations to which transferability exists are:

There are no direct occupations linked to this occupation based on the matrix of skills transferability. However, the following have been identified as related occupations:

- Building superintendents (NOC 6663)
- Property clerks (NOC 1441)

Local Employers:

The following list of employers was randomly selected as examples of companies employing this occupation. An attempt was made to represent a company from each local board area.

Real Property Management Service

3046 Bloor St W
Toronto, Ontario M8X 1C4
www.rpmservicetoronto.com

TransGlobe Property Management

5955 Airport Road, Suite 223
Mississauga, Ontario, L4V 1R9
www.gotransglobe.com

Urbanspace Property Group

401 Richmond Street West, Studio 111
Toronto, Ontario, M5V 3A8
www.urbanspace.org

For a more complete listing of potential employers please visit www.labourmarketinformation.ca.

ENDNOTES

¹Human Resources Skills Development Canada. National Occupational Classification System 2006. www5.hrsdc.gc.ca/NOC.

²Human Resources Skills Development Canada. Essential Skills Profiles. www.hrsdc.gc.ca/eng/workplaceskills/essential_skills/general/home.shtml

³Statistics Canada. 2006 Census. www.statcan.gc.ca.

⁴Statistics Canada. Canadian Business Patterns Data. December 2003, June 2009. www.statcan.gc.ca.

⁵Human Resources Skills Development Canada. Matrix of Skills Transferability – January 2003. www.hrsdc.gc.ca.

Refrigeration and Air Conditioning Mechanics

NOC 7313

Refrigeration and air conditioning mechanics install, maintain, repair and overhaul residential central air conditioning systems, commercial and industrial refrigeration and air conditioning systems and combined heating, ventilation and cooling systems. They also adjust such systems to meet energy efficiency standards and regulations. Transport refrigeration mechanics are included in this unit group.¹

Places of Employment¹:

- Refrigeration and air conditioning installation contractors
- Manufacturing and industrial companies
- Engineering firms
- Self employed

Employment Requirements¹:

- Completion of secondary school is usually required
- Completion of a three- to five-year apprenticeship program or a combination of over five years of work experience in the trade and some high school, college or industry courses in refrigeration and air conditioning repair is usually required to be eligible for trade certification
- Trade certification for refrigeration and air conditioning mechanics is compulsory in Nova Scotia, New Brunswick, Quebec, Ontario, Manitoba, Saskatchewan, Alberta and British Columbia and available, but voluntary, in all other provinces and the territories
- Interprovincial trade certification (Red Seal) is also available to qualified refrigeration and air conditioning mechanics

Local Educational Programs:

Program	Length	Certification	Institutions
Electric Apprenticeship	N/A	Apprenticeship	Centennial College
Electronics Engineering Technician/Technology	2 years (technician) 3 years (technology)	Diploma Advanced Diploma	Centennial College, Seneca College, Sheridan College
Heating, Refrigeration and Air Conditioning Technician/Technology Program	2 years (technician) 3 years (technology)	Diploma Advanced Diploma	George Brown College, Humber College
Refrigeration and Air Conditioning	N/A	Certificate	Humber College
Refrigeration & Air Conditioning Apprenticeship	N/A	Apprenticeship	Centennial College, George Brown College
Residential Air Conditioning Systems Mechanic	N/A	Apprenticeship	George Brown College

Local Union and Training Centre

Plumbers & Steamfitters Local 46

936 Warden Ave., Scarborough, Ontario M1L 4C9

Tel: 416-759-9351 Fax: 416-759-7346

Refrigeration Workers Local 787

419 Deerhurst Drive, Brampton, Ontario L6T 5K3

Tel: 905-790-1019 Fax: 905-790-1022 Toll Free: 1-800-387-9121

Number of Employees by Age Range⁴:

Employees by Age Range	Peel Halton	Toronto	York Region Brad WG	Total
15 – 24 years	330	155	105	590
25 – 44 years	965	790	570	2,325
45 years and over	600	555	400	1,555
Total Employees	1,895	1,500	1,075	4,470
% 45 years +	31.66%	37.00%	37.21%	34.79%

Source: Statistics Canada, 2006 Census

Average Salary

Average Salary based on 2006 Census Data ⁴	
Peel Halton	\$ 54,929
Toronto	\$ 48,780
York Region Brad WG	\$ 52,457
Ontario	\$ 52,226

Refrigeration and Air Conditioning Mechanics

NOC 7313

The most important Essential Skills for this occupation are²:

- Reading text
- Numeracy
- Document use

The most important High School subjects are³:

- Machine shop
- Math
- Sciences
- Computer basis
- English

Top Industries of Employment for 3 regions^{4,5}:

Across all three regions there are 4,470 refrigeration and air conditioning mechanics employed. The top industries of employment are:

Industry (NAICS)	Number of People Employed	% of Total	Number of Employers Dec 2003	Number of Employers Jun 2009	Absolute Change % 03 - 09	Change 03 - 09
238 Specialty trade contractors	3,265	72.88%	23,111	24,416	1,305	5.65%
333 Machinery manufacturing	195	4.35%	2,035	1,828	-207	-10.17%
221 Utilities	145	3.24%	180	281	101	56.11%

Source: Statistics Canada, 2006 Census; Statistics Canada. Canadian Business Patterns Data. December 2003, June 2009.

Matrix of Skills Transferability⁶:

Transferability between occupations has been analyzed using the National Occupational Coding system. Judgments have been made based on an analysis of available information regarding the overlap of knowledge and skills and labour market hiring practices for occupations. Occupations to which transferability exists are:

There are no direct occupations linked to this occupation based on the matrix of skills transferability. However, the following have been identified as related occupations:

- Construction Millwrights and Industrial Mechanics (Except Textile) (NOC 7311)
- Heavy-Duty Equipment Mechanics (NOC 7312)
- Aircraft Mechanics and Aircraft Inspectors (NOC 7315)
- Other Mechanics (NOC 733)

Local Employers:

The following list of employers was randomly selected as examples of companies employing this occupation. An attempt was made to represent a company from each local board area.

Adelt Mechanical Works

2640 Argentia Rd, Mississauga, Ontario L5N 6C5
 Telephone: 1 905 812 7900
 Fax: 1 905 812 7907
www.adeltmechanical.com

Abudget Heating & Air Conditioning

41 Colville Road, Toronto, Ontario M6M 2Y2
 Telephone: 1 416 703 1990
www.abudgetair.com

Sunwell Technologies Inc.

180 Caster Avenue, Woodbridge, Ontario L4L 5Y7
 Telephone: 1 905 856 0400
 Fax: 1 905 856 1935
www.sunwell.com

For a more complete listing of potential employers please visit www.labourmarketinformation.ca.

ENDNOTES

¹Human Resources Development Canada. National Occupational Classification System 2006. www5.hrsdc.gc.ca/NOC.

²Human Resources Skills Development Canada. Essential Skills Profiles. www.hrsdc.gc.ca/eng/workplaceskills/essential_skills/general/home.shtml

³Service Canada. Job Futures – National Edition. 2007. www.jobfutures.ca.

⁴Statistics Canada. 2006 Census. www.statcan.gc.ca.
 Note: These salaries represent an average of both unionized and non-unionized workers. Salaries may vary by workplace.

⁵Statistics Canada. Canadian Business Patterns Data. December 2003, June 2009. www.statcan.gc.ca.

⁶Human Resources Skills Development Canada. Matrix of Skills Transferability – January 2003. www.hrsdc.gc.ca.

Residential Home Builders and Renovators

NOC 0712

Residential home builders own, operate and manage companies engaged in the construction of new residential homes. Residential home renovators own, operate and manage companies engaged in the renovation of existing residential homes.¹

Places of Employment¹:

- Construction companies
- Self-employed

Employment Requirements¹:

- Extensive experience in the home construction industry, including experience as a general supervisor, is usually required for self-employment as a home builder or a home renovator

Local Educational Programs:

Program	Length	Certification	Institutions
Architectural Technician/Technology	2 years (technician) 3 years (technology)	Diploma Advanced Diploma	Centennial College, George Brown College, Humber College, Sheridan College
Building Renovation Technician/Technology	2 years (technician) 3 years (technology)	Diploma Advanced Diploma	George Brown College
Building Systems Engineering Technician	2 years	Diploma	Seneca College
Construction Engineering Technician/Technology	2 years (technician) 3 years (technology)	Diploma Advanced Diploma	George Brown College
Construction and Environment - Regulations & Compliance	4 years	Degree	George Brown College
Construction Science and Management	4 years	Bachelor's Degree	George Brown College
Roof Consultant	N/A	Certificate	Humber College
Sustainable Energy & Building Technology	3 years	Diploma	Humber College

Local Union and Training Centre

Carpenters' Local Union 27 Joint Apprenticeship & Training Trust Fund Inc.
222 Rowntree Dairy Road, Woodbridge, Ontario L4L 9T2
Tel: 905 652-5506 www.carpenterstraining.ca

LIUNA Local 183 Training Centre
8700 Huntington Road, Woodbridge, Ontario
Tel: 416-242-7551 Fax: 416-242-7785 www.183training.com

The most important Essential Skills for this occupation are²:

- Document use
- Oral communication
- Numeracy

The most important High School subjects are³:

- Business
- Geography
- Math
- English
- Computer-related courses

Number of Employees by Age Range⁴:

Employees by Age Range	Peel Halton	Toronto	York Region Brad WG	Total
15 – 24 years	120	185	30	335
25 – 44 years	975	1,500	720	3,195
45 years and over	875	1,395	830	3,100
Total Employees	1,970	3,080	1,580	6,630
% 45 years +	44.42%	45.29%	52.53%	46.76%

Source: Statistics Canada, 2006 Census

Average Salary

Average Salary based on 2006 Census Data ⁴	
Peel Halton	\$ 42,492
Toronto	\$ 84,414
York Region Brad WG	\$ 48,747
Ontario	\$ 51,834

Residential Home Builders and Renovators

NOC 0712

Top Industries of Employment for 3 regions^{4,5}:

Across all three regions there are a total of 6,630 residential home builders and renovators employed. The top industries of employment are:

Industry (NAICS)	Number of People Employed	% of Total	Number of Employers Dec 2003	Number of Employers Jun 2009	Absolute Change % 03 - 09	Change 03 - 09
236 Construction of buildings	5,445	82.19%	13,667	13,829	162	1.19%
238 Specialty trade contractors	765	11.55%	23,111	24,416	1,305	5.65%

Source: Statistics Canada, 2006 Census; Statistics Canada, Canadian Business Patterns Data, December 2003, June 2009.

Matrix of Skills Transferability⁶:

Transferability between occupations has been analyzed using the National Occupational Coding system. Judgments have been made based on an analysis of available information regarding the overlap of knowledge and skills and labour market hiring practices for occupations. Occupations to which transferability exists are:

There are no direct occupations linked to this occupation based on the matrix of skills transferability. However, the following have been identified as related occupations:

- Construction Managers (NOC 0711)

Local Employers:

The following list of employers was randomly selected as examples of companies employing this occupation. An attempt was made to represent a company from each local board area.

Bittar Construction Services
2775 Kingsway Dr.
Oakville, ON L6J 6Z5
Telephone: 1 905 829 5204
www.bittarconstruction.com

North Star Construction
87 Sheppard Avenue East
North York, Ontario M2N 3A3
Telephone: 647.347.6784
Fax: 647.347.0642
www.nostco.com

Arrow Contracting
10-8707 Dufferin Street, Suite #315
Vaughan, Ontario L4J 0A6
Telephone: 1 647 724 7559
Fax: 1 416 987 7177
www.arrowcontracting.ca

For a more complete listing of potential employers please visit www.labourmarketinformation.ca.

ENDNOTES

¹Human Resources Skills Development Canada. National Occupational Classification System 2006. www5.hrsdc.gc.ca/NOC.

²Human Resources Skills Development Canada. Essential Skills Profiles. www.hrsdc.gc.ca/eng/workplaceskills/essential_skills/general/home.shtml

³Service Canada. Job Futures – National Edition. 2007. www.jobfutures.ca.

⁴Statistics Canada. 2006 Census. www.statcan.gc.ca.
Note: These salaries represent an average of both unionized and non-unionized workers. Salaries may vary by workplace.

⁵Statistics Canada. Canadian Business Patterns Data, December 2003, June 2009. www.statcan.gc.ca.

⁶Human Resources Skills Development Canada. Matrix of Skills Transferability – January 2003. www.hrsdc.gc.ca.

Solar Installers and Technicians

NOC 7441

Workers in this unit group install and service a wide variety of interior and exterior prefabricated products such as windows, doors, electrical appliances, solar panels, water heaters, fences, play structures and septic systems, at residential or commercial properties. With the increase in demand and availability for energy efficient products such as solar panels, solar ventilation systems, solar furnaces and varied other energy efficient products, the demand for technicians with this type of specialized knowledge is rising¹.

Places of Employment¹:

- Companies specializing in specific product installation and service

Employment Requirements¹:

- Some secondary school education is usually required.
- On-the-job training and several months of related installing, repairing or servicing experience are usually required.
- A driver's licence may be required.

Local Educational Programs:

Program	Length	Certification	Institutions
Heating, Refrigeration and Air Conditioning Technician	3 years	Diploma	Durham College, Humber College
Electronics Engineering Technician	2 years	Diploma	Centennial College, Durham College, Humber College, Seneca College, Sheridan College

The most important Essential Skills for this occupation are²:

- Oral communication
- Document use
- Problem solving
- Working with others

Number of Employees by Age Range³:

Age Range	Durham	Peel Halton	Simcoe Muskoka	Toronto	York Region BWG	Total
15 – 24 years	232	265	170	275	195	1,137
25 – 44 years	330	575	375	585	375	2,240
45 years and over	100	215	175	295	150	935
Total Employees	662	1,055	720	1,155	720	4,312
% 45 years +	15.11%	20.38%	24.31%	25.54%	20.83%	21.68%

Source: Statistics Canada, 2006 Census

Average Salary

Based on 2006 Census Data ⁴ :	
Durham	\$ 33,344
Peel Halton	\$ 33,180
Simcoe Muskoka	\$ 37,214
Toronto	\$ 38,012
York Region BWG	\$ 32,472
Ontario	\$ 33,190

Solar Installers and Technicians

NOC 7441

Top Industries of Employment for 5 regions^{3,4}:

Across all five regions, there are 4,312 solar installers and technicians employed. The top industries of employment are:

Industry (NAICS)	Number of People Employed	% of Total
238 Specialty trade contractors	2,730	63.31%
236 Construction of buildings	875	20.29%
561 Administrative and support services	395	9.16%
337 Furniture and related product manufacturing	285	6.61%

Source: Statistics Canada, 2006 Census; Statistics Canada. Canadian Business Patterns Data. December 2003, June 2009.

Matrix of Skills Transferability⁵:

Transferability between occupations has been analyzed using the National Occupational Coding system. Judgments have been made based on an analysis of available information regarding the overlap of knowledge and skills and labour market hiring practices for occupations. Occupations to which transferability exists are:

There are no direct occupations linked to this occupation based on the matrix of skills transferability. However, the following have been identified as related occupations:

- Medical Technologists and Technicians (Except Dental) (NOC 321)
- Aircraft Mechanics and Aircraft Inspectors (NOC 7315)

Local Employers:

The following list of employers was randomly selected as examples of companies employing this occupation. An attempt was made to represent a company from each local board area.

Solsmart Energy Solutions Inc.
1159 Dundas St East, Suite 157
Toronto, Ontario M4M 3N9
www.solsmart.com

YourSolarHome
270 Industrial Parkway South
Aurora, Ontario, L4G 3T9
www.yoursolarhome.com

For a more complete listing of potential employers please visit www.labourmarketinformation.ca.

ENDNOTES

¹Human Resources Skills Development Canada. National Occupational Classification System 2006. www5.hrsdc.gc.ca/NOC.

²Human Resources Skills Development Canada. Essential Skills Profiles. www.hrsdc.gc.ca/eng/workplaceskills/essential_skills/general/home.shtml.

³Statistics Canada. 2006 Census. www.statcan.gc.ca.

⁴Statistics Canada. Canadian Business Patterns Data. December 2003, June 2009. www.statcan.gc.ca.

⁵Human Resources Skills Development Canada. Matrix of Skills Transferability – January 2003. www.hrsdc.gc.ca.



durham
workforce
authority

Peel Halton  Workforce
Development
Group

TWIG | TORONTO WORKFORCE
INNOVATION GROUP

Workforce 
Planning BOARD
OF YORK REGION & BRADFORD WEST GWILLIMBURY