

CATALOGUE OF
**Transportation, Logistics
& Warehousing Careers**

NIAGARA REGION



www.ntab.org



ACKNOWLEDGEMENTS

Niagara Training & Adjustment Board (NTAB) would like to thank those organizations and individuals that assisted with the research and development of this publication. Your contribution, knowledge, and time was invaluable and greatly appreciated.

Research and Writing: Latis Consulting

Cover Design: Designs by Kristine

The Niagara Training & Adjustment Board acknowledges the limitation of this document and will continue to seek out information in areas that require further analysis and action.

Niagara Training & Adjustment Board is funded by:

**EMPLOYMENT
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*Employment Ontario programs are funded in part
by the Government of Canada*

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PURCHASING MANAGER

NOC0113

Purchasing managers plan, organize, direct, control and evaluate the activities of a purchasing department and develop and implement the purchasing policies of a business or institution. They are employed throughout the public and private sectors.

RELATED OCCUPATIONS

- ❑ Contract manager
- ❑ Director, procurement operations
- ❑ Director, purchasing
- ❑ Purchasing specialist
- ❑ Manager of purchasing contracts
- ❑ Material manager
- ❑ Purchasing manager

WORK DESCRIPTION

What would I be doing?

- ❑ Plan, organize, direct, control and evaluate the purchasing activities within the company
- ❑ Develop purchasing policies and procedures and control purchasing department budget
- ❑ Identify and negotiate agreements with vendors of materials, equipment or supplies
- ❑ Evaluate cost and quality of goods or services
- ❑ Review and process claims against suppliers
- ❑ Interview, hire and oversee training of staff
- ❑ Manage and monitor contracts with existing suppliers
- ❑ Oversee supplier certification programs

PLACE OF WORK

Who needs Purchasing Managers?

- ❑ Transportation companies
- ❑ General merchandise stores
- ❑ Manufacturing companies
- ❑ Wholesale companies
- ❑ Federal and Provincial government

CONDITIONS FOR WORK

- ❑ Completion of secondary school is usually required
- ❑ A bachelor's degree or college diploma may also be required
- ❑ Becoming a Certified Personal Purchaser (C.P.P) or registration in the educational program of the Purchasing Management Association of Canada may also be required

SALARIES/WAGES

In Hamilton/Niagara Region, a Purchasing Manager can earn from \$16.03 to \$44.13 an hour

PROSPECTS OF EMPLOYMENT

- ❑ In Hamilton/Niagara Region – Fair to Good

EDUCATION

- ❑ High School – OSSD
 - Gr. 12 – English
 - Gr. 11-12 – Mathematics
 - Gr. 11-12 – Business
 - Gr. 11-12 – Social Studies
 - Gr. 11-12 – Computers
- ❑ Post Secondary –
 - University/College programs related to this career include business administration, commerce or economics

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

Niagara Catholic District School Board –
www.niagararc.com

District School Board of Niagara –
www.dsbn.edu.on.ca

UNIVERSITIES

See Ontario Universities' Application Centre for a list of institutions with a related program
www.ouac.on.ca

COLLEGES

See Ontario Colleges for a list of institutions with a related program
www.ontariocolleges.ca

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

Purchasing Management Association of Canada
www.pmac.ca

Following are some qualities and skills that people who have been successful in this career have found helpful:

Good communication skills
Problem solving
Strong interpersonal skills
Critical thinking
Strong organizational skills
Ability to read
Cost analysis
Computer skills
Math skills
Negotiation skills

MANUFACTURING MANAGERS

NOC0911

Manufacturing managers plan, organize, direct, control and evaluate the operations of a manufacturing establishment or of a production department within a manufacturing establishment, under the direction of a general manager or other senior manager.

RELATED OCCUPATIONS

- ❑ Plant manager
- ❑ Productions manager
- ❑ Production coordinator
- ❑ Production planning coordinator
- ❑ Operations manager
- ❑ Factory superintendent

WORK DESCRIPTION

What would I be doing?

- ❑ Plan, organize, direct, control and evaluate the operations of a manufacturing establishment or a production department within a manufacturing establishment
- ❑ Develop and implement plans to efficiently use materials, labour and equipment to meet production targets
- ❑ Plan and manage the establishment of departmental budget
- ❑ Develop production schedules and maintain an inventory of raw materials and finished products
- ❑ Plan and implement changes to machinery and equipment and productions systems
- ❑ Train or oversee training of employees in the use of new equipment or production techniques

PLACE OF WORK

Who needs Manufacturing Managers?

- ❑ Transportation companies
- ❑ Motor vehicle manufacturers
- ❑ Equipment manufacturers
- ❑ Primary steel producers

CONDITIONS FOR WORK

- ❑ Completion of a college diploma or university degree program usually required
- ❑ 5 to 10 years of supervisory experience in manufacturing are required

SALARIES/WAGES

In Hamilton/Niagara Region, a Manufacturing Manager can earn from \$17.88 to \$44.45 an hour
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PROSPECTS OF EMPLOYMENT

- ❑ In Niagara Region – Limited to Fair

EDUCATION

- ❑ High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Business
 - Gr. 11 or 12 – Mathematics
 - Gr. 11 or 12 – Computers
- ❑ Post Secondary –
 - University degree or College diploma programs related to this career include business administration, production and inventory control, logistics management, supply chain management and engineering

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

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COLLEGES

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www.ontariocolleges.ca

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

Council of Supply Chain Management Professionals

www.csmp.org

The Logistics Institute

www.logisticsinstitute.ca

Following are some qualities and skills that people who have been successful in this career have found helpful:

Strong interpersonal skills
Decision making skills
Critical thinking
Problem solving
Organizational skills
Good memory
Willingness to learn
Effective communication skills
Leadership skills
Business management skills
Computer skills
Math skills
Teamwork skills
Ability to use documents and find information

SUPERVISORS, RECORDING, DISTRIBUTING & SCHEDULING OCCUPATIONS

NOC1215

Supervisors in this unit group supervise and coordinate the activities of workers in the following unit groups: Shippers and Receivers, Storekeepers and Parts Clerks, Production Clerks, Purchasing and Inventory Clerks, Dispatchers and Radio Operators and Transportation Route and Crew Schedulers. They are employed throughout the private and public sectors.

RELATED OCCUPATIONS

- Dispatch logistician
- Flight crew scheduling supervisor
- Freight forwarding logistician
- Head dispatcher
- Head shipper
- Inventory control supervisor
- Logistics supervisor
- Transportation
- Parts service supervisor
- Ramp services supervisor – airport
- Supervisor, receiving
- Supply control coordinator

WORK DESCRIPTION

What would I be doing?

- Coordinate, assign and review the work of clerks engaged in the following duties: shipping, receiving, storing, distributing and maintaining inventories of materials, parts and products, processing purchasing transactions, coordinating production work, dispatching crews, scheduling transportation crews and routes, operating airport ramp servicing vehicles and other related activities
- Establish work schedules and procedures and coordinate activities with other work units or departments
- Resolve work-related problems and prepare and submit progress and other reports
- Train workers in job duties, safety procedures and company policies

PLACE OF WORK

Who needs Recording, Distributing and Scheduling Supervisors?

- Airline and air service companies
- Transportation companies
- Warehousing companies
- Manufacturing companies

CONDITIONS FOR WORK

- Completion of secondary school is usually required
- Several years supervisory experience in the occupation is usually required

SALARIES/WAGES

In Niagara, a Recording, Distributing and Scheduling Supervisor can earn from \$11.75 to \$27.00 an hour

PROSPECTS OF EMPLOYMENT

- In Niagara Region – Fair to Good

EDUCATION

- High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Business
 - Gr. 11 or 12 – Mathematics
 - Gr. 11 or 12 – Computers
 - Gr. 11 or 12 – Social Studies
- Post Secondary –
 - University degree/College diploma programs related to this career include business administration, health technologies, industrial engineering or similar program

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

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UNIVERSITIES

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COLLEGES

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www.ontariocolleges.ca

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

Not applicable

Following are some qualities and skills that people who have been successful in this career have found helpful:

Strong leadership skills
Computer skills
Team work skills
Oral and written communication skills
Interpersonal skills
Problem solving skills
Decision making skills
Critical thinking skills
Willingness to learn
Math skills
Strong organizational skills

CUSTOMS, SHIP AND OTHER BROKERS

NOC1236

Customs brokers clear goods through customs and to their destination on behalf of importer and exporter clients. Ship brokers buy and sell cargo space on ships and buy and sell ships, yachts and other watercraft on behalf of clients. This unit group also includes other brokers, not elsewhere classified, who negotiate commercial transactions or other services between parties on behalf of clients. They are employed by customs, ship or other brokerage establishments or may be self-employed.

RELATED OCCUPATIONS

- ❑ Cargo broker
- ❑ Chartered ship broker
- ❑ Customs broker
- ❑ Licensed customs broker
- ❑ Ship broker

WORK DESCRIPTION

What would I be doing?

- ❑ Prepare and process import/export documents and other forms on behalf of clients according to customs regulations, laws and procedures
- ❑ Sign import/export documents on behalf of client, using power of attorney
- ❑ Arrange for payment of duties, taxes, storage and transportation of imported goods and bonds to cover duty goods
- ❑ Quote duty and tax rates on commodities for clients
- ❑ Provide advice to clients on export and import restrictions, tariff systems, letters of credit, insurance requirements and other customs related matters
- ❑ Represent client before administrative tribunals or in other dealings with government officials

PLACE OF WORK

Who needs Customs Brokers?

- ❑ Customs, ship or other brokerage establishments
- ❑ Transportation firms
- ❑ Manufacturing firms
- ❑ Government
- ❑ Self-employed

CONDITIONS FOR WORK

- ❑ Completion of secondary school is required
- ❑ Completion of a two-year program through the Canadian Society of Customs Brokers
- ❑ Some post secondary education in commerce or related field may be required
- ❑ A Customs Broker License, issued by the Canadian Customs and Revenue Agency, is required for an individual or company to operate as a customs broker business

SALARIES/WAGES

In Niagara, a Customs Broker can earn from \$11.00 to \$22.65 an hour

PROSPECTS OF EMPLOYMENT

- ❑ In Niagara Region – Limited to Fair

EDUCATION

- ❑ High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Business
 - Gr. 11 or 12 – Mathematics
 - Gr. 11 or 12 – Computers
- ❑ Post Secondary –
 - University degree/College diploma programs related to this career include international trade, international business, import & export business, business administration

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

Niagara Catholic District School Board –

www.niagararc.com

District School Board of Niagara –

www.dsbni.edu.on.ca

UNIVERSITIES

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COLLEGES

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www.ontariocolleges.ca

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

International Federation of Customs Brokers Association

www.ifcba.org

Associations of International Customs and Border Agencies

www.aicba.org

Canadian International Freight Forwarders Association

www.ciffa.com

Following are some qualities and skills that people who have been successful in this career have found helpful:

Strong leadership skills
Computer skills
Team work skills
Oral and written communication skills
Interpersonal skills
Problem solving skills
Decision making skills
Critical thinking skills
Willingness to learn
Math skills
Strong organizational skills

SHIPPERS AND RECEIVERS

NOC1471

Shippers and receivers ship, receive and record the movement of parts, supplies, materials, equipment and stock to and from an establishment. They are employed in the public sector and by retail and wholesale establishments, manufacturing companies, and other commercial and industrial establishments.

RELATED OCCUPATIONS

- Freight receiver
- Freight shipper
- Import freight clerk
- Shipping agent
- Shipping and receiving clerk

WORK DESCRIPTION

What would I be doing?

- Determine method of shipment and arrange shipping, prepare bills of lading, customs forms, invoices and other shipping documents manually or by computer
- Assemble containers and crates, record contents manually or in computer system, pack goods to be shipped and affix identifying information and shipping instructions
- Oversee loading and unloading of goods from trucks
- Inspect and verify incoming goods against invoices or other documents, record shortages and reject damaged goods
- Maintain internal, manual or computerized record-keeping systems

PLACE OF WORK

Who needs Shippers and Receivers?

- Public sector
- Warehouses
- Retail companies
- Manufacturing companies
- Wholesale companies
- Commercial establishments

CONDITIONS FOR WORK

- Completion of secondary school is usually required
- Experience in a related clerical occupation or as a warehouse worker may be required
- Forklift certificate may be required
- Driver's license may be required

SALARIES/WAGES

In Hamilton/Niagara Region, a Shipper and Receiver can earn from \$9.90 to \$19.80 an hour
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PROSPECTS OF EMPLOYMENT

- In Ontario – Good

EDUCATION

- High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Business
 - Gr. 11 or 12 – Mathematics
 - Gr. 11 or 12 – Computers
- Post Secondary –
 - University degree/College diploma programs related to this career include business administration, commerce or computer science

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

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UNIVERSITIES

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COLLEGES

See Ontario Colleges for a list of institutions with a related program

www.ontariocolleges.ca

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

Not applicable

Following are some qualities and skills that people who have been successful in this career have found helpful:

Strong leadership skills
Computer skills
Team work skills
Oral and written communication skills
Interpersonal skills
Problem solving skills
Decision making skills
Critical thinking skills
Willingness to learn
Math skills
Strong organizational skills

PURCHASING AND INVENTORY CLERK

NOC1474

Purchasing and inventory clerks process purchasing transactions and maintain inventories of materials, equipment and stock. They are employed by retail and wholesale establishments, manufacturing companies, government agencies and other establishments.

RELATED OCCUPATIONS

- Inventory analyst
- Inventory control clerk
- Inventory planner
- Procurement clerk
- Purchasing clerk

WORK DESCRIPTION

What would I be doing?

- Maintain accurate records of when stock is received, requested and sold
- Prepare detailed inventory reports, which list quantity, type and value of stock on hand
- Prepare requisition orders to restock supplies
- Source and obtain price quotations from catalogues and suppliers and prepare purchase orders
- Calculate cost of orders and charge or forward invoices to appropriate accounts
- Contact suppliers to schedule deliveries and to resolve shortages, missed deliveries and other problems
- Rotate stock, dispose of outdated stock and account for its disposal
- Match calculated inventories with physical counts and explain any differences

PLACE OF WORK

Who needs Purchasing and Inventory Clerks?

- Government agencies
- Manufacturing companies
- Wholesale companies
- Retail companies

CONDITIONS FOR WORK

- Completion of secondary school is usually required
- Courses in purchasing management and inventory management may be required
- Computer systems and supervisory experience may be required

SALARIES/WAGES

In Hamilton/Niagara Region, a Purchasing and Inventory Clerk can earn from \$9.15 to \$21.35 an hour
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PROSPECTS OF EMPLOYMENT

- In Ontario – Fair to Good

EDUCATION

- High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Business
 - Gr. 11 or 12 – Mathematics
 - Gr. 11 or 12 – Computers
- Post Secondary –
 - University degree/College diploma programs related to this career include business administration, commerce or computer science

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

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Niagara Catholic District School Board –
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UNIVERSITIES

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COLLEGES

See Ontario Colleges for a list of institutions with a related program
www.ontariocolleges.ca

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

Not applicable

Following are some qualities and skills that people who have been successful in this career have found helpful:

Effective communication skills
Strong organizational skills
Interpersonal skills
Computer skills
Management skills
Problem solving skills

SECURITY GUARDS AND RELATED OCCUPATIONS

NOC6651

This unit group includes security guards and other related workers who guard property against theft and vandalism, control access to establishments, maintain order and enforce regulations at public events and within establishments. They are employed by private security agencies, retail stores, transportation facilities, residential complexes, educational, financial and health institutions, industrial establishments, cultural establishments and organizations throughout the private and public sectors.

RELATED OCCUPATIONS

- Airport security guard
- Gate attendant – security
- Night watchman/woman
- Pre-boarding security guard
- Security guard

WORK DESCRIPTION

What would I be doing?

- Control access to pre-boarding areas, issue passes and direct visitors to appropriate areas
- Enforce airport security regulations to maintain order and resolve conflicts
- Operate security control room equipment to monitor establishment activities
- Perform security checks of passengers and luggage at airports
- Ensure that airport safety and emergency procedures are followed and respond to fire alarms, bomb threats and other emergencies

PLACE OF WORK

Who needs Security Guards?

- Airports
- Private security agencies
- Retail stores
- Industrial establishments

CONDITIONS FOR WORK

- Completion of secondary school is usually required
- Post secondary education is strongly suggested

SALARIES/WAGES

In Niagara, a Security Guard can earn from \$7.75 to \$18.00 an hour
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PROSPECTS OF EMPLOYMENT

- In Niagara Region – Good

EDUCATION

- High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Physical Education
 - Gr. 11 or 12 – Social Studies
- Post Secondary –
 - University degree/College diploma in Law Enforcement and Security, Commercial and corporate security and public safety

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

Niagara Catholic District School Board –
www.niagararc.com
District School Board of Niagara –
www.dsbn.edu.on.ca

UNIVERSITIES

See Ontario Universities' Application Centre for a list of institutions with a related program
www.ouac.on.ca

COLLEGES

See Ontario Colleges for a list of institutions with a related program
www.ontariocolleges.ca

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

Not applicable

Following are some qualities and skills that people who have been successful in this career have found helpful:

Oral and written communication
Interpersonal skills
Problem solving skills
Decision making skills
Critical thinking
Willingness to learn
Teamwork skills

INDUSTRIAL ELECTRICIANS

NOC7242

Industrial electricians install, maintain, test, troubleshoot and repair industrial electrical equipment and associated electrical and electronic controls. They are employed by electrical contractors and maintenance departments of factories, plants, mines, shipyards and other industrial establishments.

RELATED OCCUPATIONS

- ❑ Shipyard electrician
- ❑ Marine electrician
- ❑ Mill electrician
- ❑ Mine electrician
- ❑ Plant electrician

WORK DESCRIPTION

What would I be doing?

- ❑ Read and interpret drawings, blueprints, schematics and electrical code specifications to determine layout of industrial electrical equipment installations
- ❑ Install, examine, replace or repair electrical wiring, receptacles, switch boxes, conduits, feeders, fibre-optic and coaxial cable assemblies, lighting fixtures and other electrical components
- ❑ Test electrical and electronic equipment and components for continuity, current, voltage and resistance
- ❑ Troubleshoot, maintain and repair industrial, electrical and electronic control systems and other related devices
- ❑ Conduct preventive maintenance programs and keep maintenance records

PLACE OF WORK

Who needs Industrial Electricians?

- ❑ Electrical contractors
- ❑ Maintenance departments of factories, plants, mines, shipyards and other industrial establishments

CONDITIONS FOR WORK

- ❑ Completion of secondary school is usually required
- ❑ Completion of a four- or five-year industrial electrician apprenticeship program or a combination of over five years of work experience in the trade and some high school, college or industry courses in industrial electrical equipment is usually required to be eligible for trade certification
- ❑ Trade certification for industrial electricians is mandatory in most Canadian provinces including Ontario

SALARIES/WAGES

In Niagara, an Industrial Electrician can earn from \$20.00 to \$33.00 an hour
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PROSPECTS OF EMPLOYMENT

- ❑ In Niagara Region – Good

EDUCATION

- ❑ High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Mechanical Technology
 - Gr. 11 or 12 – Mathematics
- ❑ Post Secondary –
 - College apprenticeship program for industrial electricians

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

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District School Board of Niagara –
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UNIVERSITIES

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COLLEGES

See Ontario Colleges for a list of institutions with a related program
www.ontariocolleges.ca

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

Not applicable

Following are some qualities and skills that people who have been successful in this career have found helpful:

Oral and written communication
Interpersonal skills
Problem solving skills
Decision making skills
Critical thinking
Willingness to learn
Teamwork skills

WELDERS AND RELATED MACHINE OPERATORS

NOC7265

Welders operate welding equipment to weld ferrous and non-ferrous metals. This unit group also includes machine operators who operate previously set up production welding, brazing and soldering equipment. They are employed by companies that manufacture structural steel and platework, boilers, heavy machinery, aircraft and ships and other metal products, and by welding contractors and welding shops, or they may be self-employed.

RELATED OCCUPATIONS

- Aviation welding technician
- Brazing machine operator
- Electric arc welder
- Journeyman/woman - welder
- Production welder
- Spot welder
- Welder-fitter

WORK DESCRIPTION

What would I be doing?

- Read and interpret blueprints or welding process specifications
- Operate manual or semi-automatic welding equipment to fuse metal segments using processes such as gas tungsten arc welding, gas metal arc welding, flux-cored arc welding, plasma arc welding, shielded metal arc welding, oxy-acetylene welding, resistance welding and submerged arc welding
- Operate brazing and soldering equipment
- Operate metal shaping machines such as brakes, shears and other metal straightening and bending machines
- Repair worn parts of metal products by welding on extra layers

PLACE OF WORK

Who needs Welders or Related Machine Operators?

- Shop repair companies
- Transportation firms
- Manufacturing firms
- Construction firms

CONDITIONS FOR WORK

- Completion of secondary school is usually required
- Completion of a three-year apprenticeship program or a combination of over three years of work experience in the trade and some high school, college or industry courses in welding is usually required to be eligible for trade certification

SALARIES/WAGES

In Niagara, a Welder or Related Machine Operator can earn from \$13.65 to \$27.09 an hour

PROSPECTS OF EMPLOYMENT

- In Niagara Region – Good

EDUCATION

- High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Mechanical Technology
 - Gr. 11 or 12 – Physics
 - Gr. 11 or 12 – Mathematics
- Post Secondary –
 - College programs related to this career include welding engineering technician, welding fitter and welding techniques

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

Niagara Catholic District School Board – www.niagararc.com

District School Board of Niagara – www.dsbn.edu.on.ca

UNIVERSITIES

Not applicable

COLLEGES

See Ontario Colleges for a list of institutions with a related program
www.ontariocolleges.ca

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

Canadian Welder Bureau
www.cwbweb.org

Canadian Welding Association
www.cwa-acs.org

Following are some qualities and skills that people who have been successful in this career have found helpful:

Organizational skills
Time management skills
Effective communication skills
Manual dexterity
Ability to work independently
Enjoying building and repairing things
Hand-eye coordination
Mechanical skills
Ability to read diagrams
Computer skills
Analytical skills
Attention to detail

HEAVY-DUTY EQUIPMENT MECHANICS

NOC7312

Heavy-duty equipment mechanics repair, troubleshoot, adjust, overhaul and maintain mobile heavy-duty equipment used in construction, transportation, forestry, mining, oil and gas, material handling, landscaping, land clearing, farming and similar activities. They are employed by companies that own and operate heavy equipment, and by heavy equipment dealers, rental and service establishments, and railway transport companies and urban transit systems.

RELATED OCCUPATIONS

- ❑ Locomotive mechanic
- ❑ Construction equipment mechanic
- ❑ Diesel mechanic
- ❑ Heavy-duty equipment mechanic
- ❑ Tractor mechanic

WORK DESCRIPTION

What would I be doing?

- ❑ Inspect heavy equipment for proper performance and other equipment to detect faults and malfunctions
- ❑ Diagnose faults or malfunctions using computerized and other testing equipment to determine extent of repair required
- ❑ Adjust equipment and repair or replace defective parts, components or systems using hand and power tools
- ❑ Test repaired equipment for proper performance and to ensure that work meets manufacturers' specifications
- ❑ Clean, lubricate and perform other routine maintenance on equipment

PLACE OF WORK

Who needs Heavy Duty Equipment Mechanics?

- ❑ Railway companies
- ❑ Heavy equipment dealers
- ❑ Establishments that own and operate heavy equipment in mining, manufacturing, transportation and construction
- ❑ Urban transit systems

CONDITIONS FOR WORK

- ❑ Completion of secondary school is usually required
- ❑ Completion of a three-to-five year apprenticeship program *or* a combination of over four years of work experience and some high school, college or industry courses in heavy equipment repair is usually required
- ❑ Certification is mandatory in Quebec and Alberta and available but voluntary in all other provinces and territories

SALARIES/WAGES

In Niagara, a Heavy Duty Equipment Mechanic can earn from \$13.00 to \$22.00 an hour
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PROSPECTS OF EMPLOYMENT

- ❑ In Niagara Region – Good

EDUCATION

- ❑ High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Mechanics
 - Gr. 11 or 12 – Computers
 - Gr. 11 or 12 – Mathematics
- ❑ Post Secondary –
 - College programs related to this career include heavy equipment mechanic/motive power technician, industrial maintenance mechanic and transportation engineering technology

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

Niagara Catholic District School Board –
www.niagararc.com
District School Board of Niagara –
www.dsbn.edu.on.ca

UNIVERSITIES

Not applicable

COLLEGES

See Ontario Colleges for a list of institutions with a related program
www.ontariocolleges.ca

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

Canadian Association of Equipment Distributors
www.caed.org
Council of Ontario Construction Association
www.coca.on.ca

Following are some qualities and skills that people who have been successful in this career have found helpful:

Enjoy physical/outdoor work
Problem solving
Effective communication skills
Ability to read diagrams
Mechanical skills
Computer skills

CRANE OPERATORS

NOC7371

Crane operators operate cranes or draglines to lift, move, position or place machinery, equipment and other large objects at construction or industrial sites, ports, railway yards, surface mines and other similar locations. They are employed by construction, industrial, mining, cargo handling and railway companies.

RELATED OCCUPATIONS

- Boom truck crane operator
- Bridge crane operator
- Construction crane operator
- Dragline crane operator
- Hoist operator
- Mobile crane operator
- Tower crane operator

WORK DESCRIPTION

What would I be doing?

- Operate Mobile and tower cranes to lift, move, position or place equipment and materials
- Operate pile driving cranes to drive pilings into earth to provide support for buildings and other structures
- Operate cranes equipped with dredging attachments to dredge waterways and other areas
- Operate gantry cranes to load and unload ship cargo at port side
- Operate locomotive cranes to move objects and materials at railway yards
- Operate bridge or overhead cranes to lift, move and place plant machinery and materials
- Operate offshore oil rig cranes to unload and reload supply vessels
- Operate cranes mounted on boats or barges to lift, move and place equipment and materials
- Operate dragline cranes to expose coal seams and ore deposits at open pit mines
- Perform routine maintenance work such as cleaning and lubricating cranes

PLACE OF WORK

Who needs Crane Operators?

- Manufacturing companies
- Transportation companies
- Harbours
- Rail yards
- Construction site maintenance firms
- Primary steel producers

CONDITIONS FOR WORK

- Completion of secondary school is required
- Completion of a one- to three-year apprenticeship program *or* high school, college or industry courses in crane operating are usually required
- Further certification for specific cranes may be required

SALARIES/WAGES

In Hamilton/Niagara Region, a Crane Operator can earn from \$16.00 to \$32.00 an hour

PROSPECTS OF EMPLOYMENT

- In Niagara Region – Fair to Good

EDUCATION

- High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Mechanical Technology
 - Gr. 11 or 12 – Machinery
 - Gr. 11 or 12 – Mathematics
- Post Secondary –
 - Not applicable

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

Niagara Catholic District School Board –
www.niagararc.com
District School Board of Niagara –
www.dsbn.edu.on.ca

UNIVERSITIES

Not applicable

COLLEGES

See Ontario Colleges for a list of institutions with a related program
www.ontariocolleges.ca

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

Construction Sector Council
www.csc-ca.org
Toronto Construction Association
www.tcsconnect.org

Following are some qualities and skills that people who have been successful in this career have found helpful:

Enjoy physical/outdoor work
Conscious of safety procedures
Effective communication skills
Interpersonal skills
Hand-eye coordination
Math skills
Teamwork skills

MATERIAL HANDLERS

NOC7452

This unit group includes workers who handle, move, load and unload materials by hand or using a variety of material handling equipment. They are employed by transportation, storage and moving companies and by a variety of manufacturing and processing companies, and retail and wholesale warehouses.

RELATED OCCUPATIONS

- Bin filler
- Coal handler
- Conveyor console operator
- Forklift truck operator
- Freight handler (except air transport)
- Railway car loader
- Stockpiler
- Storage worker – material handling
- Truck loader
- Warehouseman/woman

WORK DESCRIPTION

What would I be doing?

- Load, unload and move products and materials by hand or using basic material handling equipment
- Move household appliances and furniture on and off moving trucks or vans
- Set up rooms for events, dismantle moveable walls and partitions, and organize or set up office furniture
- Perform other material handling activities such as counting, weighing, sorting, packing and unpacking
- Operate winches and other loading devices to load and unload materials on and off trucks, railway cars and loading docks of warehouses and industrial establishments

PLACE OF WORK

Who needs Material Handlers?

- Transportation companies
- Moving companies
- Manufacturing companies
- Processing companies
- Wholesale companies
- Warehouses

CONDITIONS FOR WORK

- Some secondary school education is required
- On-the-job training is usually provided by employers
- Physical strength is required for manual material handlers who work with heavy materials

SALARIES/WAGES

In Hamilton/Niagara Region, a Material Handler can earn from \$10.00 to \$23.51 an hour

PROSPECTS OF EMPLOYMENT

- In Hamilton/Niagara Region – Good

EDUCATION

- High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Physical education
 - Gr. 11 or 12 – Mechanical Technology
- Post Secondary –
 - Not applicable

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

Niagara Catholic District School Board – www.niagararc.com
District School Board of Niagara – www.dsbni.edu.on.ca

COLLEGES

Not applicable

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

Not applicable

UNIVERSITIES

Not applicable

Following are some qualities and skills that people who have been successful in this career have found helpful:

Enjoy outdoors
Physically strong
Physical coordination
Teamwork skills
Mechanical skills



Air Traffic Control & Related Occupations
NOC: 2272

Airline Sales & Service Agents
NOC: 6433

Air Transport Ramp Attendants
NOC: 7437

Aircraft Instrument, Electrical & Avionics Mechanics, Technicians & Inspectors
NOC: 2244

Aircraft Mechanics & Aircraft Inspectors
NOC: 7315

Air Pilots, Flight Engineers & Flying Instructors
NOC: 2271

Transportation, Logistics & Warehousing Careers Aviation Sector

NIAGARA REGION



District School Board of Niagara



NIAGARA CATHOLIC DISTRICT SCHOOL BOARD

AIR PILOTS AND FLIGHT ENGINEERS

NOC2271

Pilots fly fixed wing aircraft and helicopters to provide air transportation and other services. Flight engineers (second officers) monitor the functioning of aircraft during flight and may assist in flying aircraft. Air pilots and flight engineers are employed by airline and air freight companies, flying schools, the Armed Forces and by other public and private sector aircraft operators.

RELATED OCCUPATIONS

- Air pilot
- Captain – air transport
- Chief flying instructor
- Co-pilot
- Flight engineer
- Flying instructor
- Helicopter pilot
- Military pilot
- Pilot instructor
- Second officer – air transport

WORK DESCRIPTION

What would I be doing?

- Fly fixed wing aircraft or helicopters to transport passengers and freight
- Provide services such as search and rescue, aerial surveying or spraying and crop dusting
- Direct activities of aircraft crew during flight, as captain of aircraft
- Co-pilot aircraft and perform captain's duties if required, as first officer
- Test new aircraft to evaluate aircraft performance
- Train pilots to use new equipment, or prepare them for examination to re-validate or upgrade existing licenses
- Monitor operation of engines, fuel consumption and functioning of aircraft systems during flight

PLACE OF WORK

Who needs Air Pilots and Flight Engineers?

- Airline companies
- Air freight companies
- Flying schools
- Armed Forces

CONDITIONS FOR WORK

- Completion of secondary school and graduation from a certified flying or aviation school is required
- A commercial pilot's license or an air transport pilot's license is required
- University degree or college diploma may be required
- Additional licenses or endorsements to fly different aircrafts may be required

SALARIES/WAGES

In Ontario, an Air Pilot and Flight Engineer can earn from \$75.00 to \$200.00 an hour
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PROSPECTS OF EMPLOYMENT

- In Niagara Region – Limited

EDUCATION

- High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Algebra
 - Gr. 11 or 12 – Geometry
 - Gr. 11 or 12 – Calculus
 - Gr. 11 or 12 – Physics
 - Gr. 11 or 12 – Computers
- Post Secondary –
 - University degree/College diploma programs related to this career include commercial pilot and aviation management, pilot training, professional aviation

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

Niagara Catholic District School Board –
www.niagararc.com
District School Board of Niagara –
www.dsbn.edu.on.ca

UNIVERSITIES

See Ontario Universities' Application Centre for a list of institutions with a related program
www.ouac.on.ca

COLLEGES

See Ontario Colleges for a list of institutions with a related program
www.ontariocolleges.ca

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

Air Transportation Association of Canada
www.atac.ca
Air Canada Pilot's Association
www.acpa.ca
International Airline Pilot Association
www.alpa.org

Following are some qualities and skills that people who have been successful in this career have found helpful:

Critical thinking skills
Leadership skills
Interpersonal skills
Effective communication skills
Decision making skills
Organizational skills
Teamwork skills
Customer service skills
Computer skills
Math skills

AIR TRAFFIC CONTROLLER

NOC2272

Air traffic controllers direct air traffic within assigned airspace and control moving aircraft and service vehicles at airports. Flight dispatchers authorize airline flights over assigned routes. Flight service specialists provide pilots with flight information essential to aviation safety. Air traffic controllers and flight service specialists are employed by NAV Canada and the Armed Forces. Flight dispatchers are employed by airline and air services companies and by the Armed Forces.

RELATED OCCUPATIONS

- Airport air traffic controller
- Enroute air traffic controller
- Flight dispatcher
- Flight service specialist (FSS)
- Terminal air traffic controller

WORK DESCRIPTION

What would I be doing?

- Control flow of air traffic within assigned airspace using radar monitors, radio and other communication equipment and visual references
- Issue aircraft takeoff and landing instructions to pilots and relay meteorological, navigational and other information to pilots in-flight
- Maintain radio and telephone contact with adjacent control towers, terminal control units and other area control centres and coordinate movement of aircraft into adjoining areas
- Alert airport emergency services when aircraft are experiencing difficulties and report missing aircraft to search and rescue services
- Direct activities of all moving aircraft and service vehicles on or near airport runways

PLACE OF WORK

Who needs Air Traffic Controllers?

- NAV Canada
- Armed Forces
- Airline and air service companies

CONDITIONS FOR WORK

- Completion of secondary school is required
- A basic radio telephone operator's license is required
- Completion of a NAV Canada training program which includes structured in-class and on-the-job training
- Air traffic controllers require an air traffic controller's license

SALARIES/WAGES

In Hamilton/Niagara Region, the average hourly wage for an Air Traffic Controller is \$27.00
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PROSPECTS OF EMPLOYMENT

- In Hamilton/Niagara Region – Good

EDUCATION

- High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Mathematics
 - Gr. 11 or 12 – Geography
 - Gr. 11 or 12 – Computers
 - Gr. 11 or 12 – French
- Post Secondary –
 - University degree/College diploma programs related to this career include aviation and flight management

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

Niagara Catholic District School Board –
www.niagararc.com
District School Board of Niagara –
www.dsbn.edu.on.ca

UNIVERSITIES

See Ontario Universities' Application Centre for a list of institutions with a related program
www.ouac.on.ca

COLLEGES

See Ontario Colleges for a list of institutions with a related program
www.ontariocolleges.ca

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

Air Traffic Control Association
www.atca.org
Canadian Air Traffic Association
www.catca.ca
National Air Traffic Controllers Association
www.natca.org

Following are some qualities and skills that people who have been successful in this career have found helpful:

Good hearing
Concise
Clear speaking voice
Strong verbal communication skills
Good short-term memory
Problem solving skills
Teamwork skills
Computer skills
Bilingual

AIRLINE SALES AND SERVICE AGENTS

NOC6433

Airline sales and service agents issue tickets, provide fare quotations, make reservations, conduct passenger check-in, trace missing baggage, arrange for cargo shipments and perform other related customer service duties to assist airline passengers. Airline sales and service agents are employed by airline companies. Load planners, who plan the positioning of cargo on aircraft, are also included in this unit group.

RELATED OCCUPATIONS

- ❑ Airline baggage agent
- ❑ Baggage tracer - airline
- ❑ Client service representative – airline
- ❑ Counter services agent - airline
- ❑ Load planner - airline
- ❑ Passenger service representative
- ❑ Reservation agent - airline

WORK DESCRIPTION

What would I be doing?

- ❑ Help customers plan travel time and routes, prepare and issue tickets, assign seats, prepare boarding passes, check baggage, attend boarding gates, assist pre-boarding passengers and provide information on fares and flight schedules and routes
- ❑ Airline baggage agents trace lost, delayed or misdirected baggage for customers
- ❑ Handling guest inquiries, complaints and other concerns
- ❑ Organize aircraft loading and unloading processes
- ❑ Prepare pre-flight documents regarding passenger and cargo load, catering count, special requests and other flight information

PLACE OF WORK

Who needs Airline Sales and Service Agents?

- ❑ Airline companies
- ❑ Courier companies

CONDITIONS FOR WORK

- ❑ Completion of secondary school is usually required
- ❑ Several weeks of on-the-job and classroom training must be completed
- ❑ Previous experience may also be required

SALARIES/WAGES

In Hamilton/Niagara Region, an Airline Sales and Service Agent can earn from \$9.30 to \$21.90 an hour
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PROSPECTS OF EMPLOYMENT

- ❑ In Niagara Region – Limited to Fair

EDUCATION

- ❑ High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Social Science
 - Gr. 11 or 12 – Mathematics
 - Gr. 11 or 12 – French
- ❑ Post Secondary –
 - University degree/College diploma in business or Travel and Tourism

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

Niagara Catholic District School Board – www.niagararc.com

District School Board of Niagara – www.dsbn.edu.on.ca

UNIVERSITIES

See Ontario Universities' Application Centre for a list of institutions with a related program
www.ouac.on.ca

COLLEGES

See Ontario Colleges for a list of institutions with a related program
www.ontariocolleges.ca

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

Association of Canadian Travel Agencies
www.acta.ca

Canadian Tourism Human Resources Council
www.cthrc.ca

Following are some qualities and skills that people who have been successful in this career have found helpful:

Interpersonal skills
Good listening skills
Strong communication
Problem solving
Ability to multi-task
Decision making skills
Critical thinking
Willingness to learn
Teamwork skills
Computer skills
Math skills

AIRCRAFT MECHANICS AND AIRCRAFT INSPECTORS

NOC7315

Aircraft mechanics maintain, repair, overhaul, modify and test aircraft structural, mechanical and hydraulic systems. Aircraft inspectors inspect aircraft and aircraft systems following manufacture, modification, maintenance, repair or overhaul. Aircraft mechanics and aircraft inspectors are employed by aircraft manufacturing, maintenance, repair and overhaul establishments and by airlines, the Armed Forces and other aircraft operators.

RELATED OCCUPATIONS

- ❑ Aircraft gas turbine engine technician
- ❑ Aircraft maintenance engineer
- ❑ Aircraft mechanic
- ❑ Aircraft systems inspector
- ❑ Certified aircraft technician
- ❑ Hydraulic mechanic - aircraft

WORK DESCRIPTION

What would I be doing?

- ❑ Evaluate, repair and overhaul aircraft structural, mechanical or hydraulic systems
- ❑ Install or modify aircraft engines and mechanical, hydraulic, flight control, fuel and pneumatic systems
- ❑ Dismantle airframes, aircraft engines or other aircraft systems for repair, overhaul and cleaning and reassemble
- ❑ Perform and document routine maintenance
- ❑ Order and maintain inventory of parts and supplies
- ❑ Inspect structural and mechanical systems of aircraft and ensure that these systems meet Transport Canada and company standards of performance and safety
- ❑ Maintain detailed repair, inspection and certification records and reports

PLACE OF WORK

Who needs Aircraft Mechanics or Aircraft Inspectors?

- ❑ Aircraft and parts manufacturers
- ❑ Federal government
- ❑ Airline companies

- ❑ Service firms to transport companies

CONDITIONS FOR WORK

- ❑ Completion of secondary school is required
- ❑ A college diploma in aircraft maintenance or completion of a four-year apprenticeship program is usually required
- ❑ Several years of on-the-job training are required for aircraft mechanics
- ❑ Aircraft inspectors require several years of experience as an aircraft mechanic

SALARIES/WAGES

In Ontario, an Aircraft Mechanic or Aircraft Inspector can earn from \$12.00 to \$38.45 an hour

PROSPECTS OF EMPLOYMENT

- ❑ In Niagara Region – Limited

EDUCATION

- ❑ High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Automotive technology
 - Gr. 11 or 12 – Science
 - Gr. 11 or 12 – Mathematics
 - Gr. 11 or 12 – Electronics
- ❑ Post Secondary –
 - University degree/College diploma programs related to this career include aircraft maintenance, repair and technician, aviation engineering technology, mechanical and aerospace engineering

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

Niagara Catholic District School Board –
www.niagararc.com
District School Board of Niagara –
www.dsbn.edu.on.ca

UNIVERSITIES

Not applicable

COLLEGES

See Ontario Colleges for a list of institutions with a related program
www.ontariocolleges.ca

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

Aircraft Maintenance Association of Ontario
www.ame-ont.com
Western Aircraft Maintenance Engineers Association
www.wamea.com

Following are some qualities and skills that people who have been successful in this career have found helpful:

Organized
Precise
Interpersonal skills
Problem solving skills
Decision making skills
Computer skills
Math skills
Technical skills
Able to read schematics
Analytical skills

AIR TRANSPORT RAMP ATTENDANTS

NOC7437

Air transport ramp attendants operate ramp-servicing vehicles and equipment, handle cargo and baggage and perform other ground support duties at airports. They are employed by airline and air services companies and the federal government.

RELATED OCCUPATIONS

- ❑ Aircraft groomer
- ❑ Airport ramp attendant
- ❑ Cargo attendant - air transport
- ❑ Ramp agent - air transport
- ❑ Ramp attendant - air transport
- ❑ Station attendant - air transport

WORK DESCRIPTION

What would I be doing?

- ❑ Drive and operate ramp-servicing vehicles and equipment such as towing tractors, food service trucks, de-icer sprayers and lavatory servicing trucks
- ❑ Position passenger loading stairs and operate aircraft cargo doors
- ❑ Marshal or tow aircrafts to gate positions for passenger boarding and deplaning and for loading and unloading of cargo
- ❑ Sort and load cargo and passenger baggage according to instructions forwarded by load planner to achieve proper balance
- ❑ Unload, sort and route cargo and baggage
- ❑ Transport freight between aircraft and airport warehouse
- ❑ Clean and prepare aircraft interior for passengers and wash aircraft exterior

PLACE OF WORK

Who needs Air Transport Ramp Attendants?

- ❑ Airline and air service companies
- ❑ Federal government

CONDITIONS FOR WORK

- ❑ Completion of secondary school is usually required
- ❑ Experience operating baggage transporting equipment or warehouse experience may be required
- ❑ A driver's license and a good driving record are usually required

SALARIES/WAGES

Information not available

PROSPECTS OF EMPLOYMENT

- ❑ In Ontario – Limited

EDUCATION

- ❑ High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Physical education
 - Gr. 11 or 12 – Mechanical technology
 - Gr. 11 or 12 – Mathematics
 - Gr. 11 or 12 – Computers
- ❑ Post Secondary
 - University/College programs related to this career include Mechanical engineering technologies, Transportation engineering technologies and construction technologies

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

Niagara Catholic District School Board –
www.niagararc.com
District School Board of Niagara –
www.dsbn.edu.on.ca

UNIVERSITIES

Not applicable

COLLEGES

See Ontario Colleges for a list of institutions with a related program
www.ontariocolleges.ca

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

Canadian Aviation Maintenance Council
www.camc.ca
NAV Canada
www.navcanada.ca
Air Transport Association of Canada
www.atac.ca
International Air Transport Association
www.iata.org

Following are some qualities and skills that people who have been successful in this career have found helpful:

Interpersonal skills
Enjoy physical/outdoor work
Critical thinking
Decision making skills
Problem solving skills
Conscious of safety procedures
Job task planning and organizing skills
Strong oral communication skills
Aptitude for machinery
Math skills
Teamwork skills



District School Board of Niagara



NIAGARA CATHOLIC DISTRICT SCHOOL BOARD

Transportation, Logistics & Warehousing Careers

Ground Transport Sector

NIAGARA REGION

TRANSPORTATION MANAGERS

NOC0713

Transportation managers, plan, organize, direct, control and evaluate the operations of transportation companies such as railways, airlines, bus lines, municipal transit systems, shipping lines and trucking companies. Transportation managers also organize, direct, control and evaluate company departments responsible for the transportation and movement of goods.

RELATED OCCUPATIONS

- Flight operations manager
- Freight forwarding manager
- Railway freight manager
- Traffic manager
- Transport department manager
- Transportation manager

WORK DESCRIPTION

What would I be doing?

- Plan, organize, direct, control and evaluate the operations of transportation/manufacturing companies
- Recruit personnel and oversee training
- Negotiate with suppliers, partners and customers for service requirements
- Set up operations policies and standards
- Implement and coordinate dispatches
- Control the departmental budget
- Monitor company or department's performance and prepare reports for senior management

PLACE OF WORK

Who needs Transportation Managers?

- Transportation companies
- Freight forwarding companies
- Shipping companies
- Transportation departments of retail and manufacturing companies

CONDITIONS FOR WORK

- A bachelor's degree in business administration or engineering usually required
- Certification as an operator in a specific mode of transport is usually required

SALARIES/WAGES

In Ontario, a Transportation Manager can earn from \$13.00 to \$33.75 an hour

PROSPECTS OF EMPLOYMENT

- In Niagara Region – Information unavailable

EDUCATION

- High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Mathematics
 - Gr. 11 or 12 – Geography
 - Gr. 11 or 12 – Computers
- Post Secondary –
 - University/College programs related to this career include business administration and engineering

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

Niagara Catholic District School Board –
www.niagararc.com

District School Board of Niagara –
www.dsbn.edu.on.ca

UNIVERSITIES

See Ontario Universities' Application Centre for a list of institutions with a related program
www.ouac.on.ca

COLLEGES

See Ontario Colleges for a list of institutions with a related program
www.ontariocolleges.ca

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

International Society of Logistics
www.sole.org

Canadian Transportation & Logistics
www.ctl.ca

Following are some qualities and skills that people who have been successful in this career have found helpful:

Good communication skills
Problem solving
Strong interpersonal skills
Strong decision making skills
Strong organizational skills
Critical thinking
Business management skills
Teamwork skills
Leadership skills
Computer skills
Analytical skills
Negotiation skills

FACILITY OPERATION & MAINTENANCE MANAGER

NOC0721

Facility operation managers plan, organize, direct, control and evaluate the operations of commercial, transportation and recreational facilities. Maintenance managers plan, organize, direct, control and evaluate the maintenance department within commercial, industrial, institutional, recreational and other facilities.

RELATED OCCUPATIONS

- Area manager
- Facility operations manager
- Plant maintenance superintendent
- Maintenance support service chief
- Mechanical services superintendent
- Warehouse manager

WORK DESCRIPTION

What would I be doing?

- Plan, organize, direct, control and evaluate the operations of commercial, transportation and recreational facilities
- Implement safety, security, housekeeping and sanitation programs
- Oversee the maintenance and repair of machinery, equipment and electrical and mechanical systems
- Maintain accurate inventory and productivity levels
- Plan and manage the facilities operations budget
- Prepare or oversee the preparation of reports and statistics related to areas of responsibility
- Recruit, train, supervise and schedule staff

PLACE OF WORK

Who needs Operations/Maintenance Managers?

- Transportation companies
- Airports
- Harbours
- Canals
- Warehouses

CONDITIONS FOR WORK

- University degree/college diploma or related experience usually required
- Maintenance managers require completion of a college or university program in electrical engineering or related discipline
- Experience in a supervisory position may also be required

SALARIES/WAGES

In Hamilton/Niagara Region, an Operation and Maintenance Manager can earn from \$12.00 to \$34.50 an hour

PROSPECTS OF EMPLOYMENT

- In Niagara Region – Good

EDUCATION

- High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Business
 - Gr. 11 or 12 – Mathematics
 - Gr. 11 or 12 – Social Studies
- Post Secondary –
 - University degree or College diploma programs related to this career include business administration, transportation technology, logistics management, supply chain management and electrical engineering

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

Niagara Catholic District School Board – www.niagararc.com

District School Board of Niagara – www.dsbn.edu.on.ca

UNIVERSITIES

See Ontario Universities' Application Centre for a list of institutions with a related program
www.ouac.on.ca

COLLEGES

See Ontario Colleges for a list of institutions with a related program
www.ontariocolleges.ca

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

International Warehouse Logistics Association

www.iwla.com

Ontario Trucking Association
www.ontruck.org

Following are some qualities and skills that people who have been successful in this career have found helpful:

Strong interpersonal skills
Strong oral & written communication
Critical thinking
Problem solving
Computer skills
Math skills
Business management skills

DISPATCHERS AND RADIO OPERATORS

NOC1475

Dispatchers operate radios and other telecommunication equipment to dispatch emergency vehicles and to coordinate the activities of drivers and other personnel. They are employed by police, fire and health departments, other emergency service agencies, taxi, delivery and courier services, trucking and utilities companies and other commercial and industrial establishments.

RELATED OCCUPATIONS

- Alarm system dispatcher
- Emergency vehicle dispatcher
- Inbound/outbound freight coordinator
- Mobile equipment dispatcher
- Radio operator
- Radio operator – military
- Taxi dispatcher
- Tow truck dispatcher

WORK DESCRIPTION

What would I be doing?

- Process and transmit information and instructions to co-ordinate the activities of vehicle operators, crews and equipment
- Dispatch personnel according to written schedules and work orders
- Advise vehicle operators of route and traffic problems
- Monitor personnel workloads and locations
- Maintain operator work records using computerized or manual methods and ensure time sheets and payroll summaries are completed accurately
- Maintain computer and manual records of mileage, fuel use, repairs and other expenses and generate reports.

PLACE OF WORK

Who needs Dispatchers and Radio Operators?

- Government agencies
- Taxi companies
- Delivery and courier companies
- Trucking companies
- Utility companies
- Logistics firms

CONDITIONS FOR WORK

- Completion of secondary school is required
- On-the-job training from employer is required

SALARIES/WAGES

In Hamilton/Niagara Region, a Dispatcher and Radio Operator can earn from \$9.50 to \$31.60 an hour

PROSPECTS OF EMPLOYMENT

- In Niagara Region – Fair to Good

EDUCATION

- High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Business
 - Gr. 11 or 12 – Mathematics
- Post Secondary –
 - College diploma programs related to this career include telecommunications and call centre operations

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

Niagara Catholic District School Board – www.niagararc.com

District School Board of Niagara – www.dsbn.edu.on.ca

UNIVERSITIES

See Ontario Universities' Application Centre for a list of institutions with a related program
www.ouac.on.ca

COLLEGES

See Ontario Colleges for a list of institutions with a related program
www.ontariocolleges.ca

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

Not applicable

Following are some qualities and skills that people who have been successful in this career have found helpful:

Interpersonal skills
Strong decision making skills
Good memory
Strong oral communication skills
Reading skills
Writing skills
Computer skills
Math skills

TRANSPORTATION ROUTE & CREW SCHEDULERS

NOC1476

Transportation route and crew schedulers prepare operational and crew schedules for transportation equipment and operating personnel. They are employed by municipal transit commissions, truck, delivery and courier companies, railways, airlines and by other transportation establishments in both the private and public sectors.

RELATED OCCUPATIONS

- Bus scheduler
- Crew scheduler - transportation
- Flight crew scheduler
- Schedule analyst
- Schedule writer - transportation
- Train scheduler
- Transit scheduler
- Truck scheduler

WORK DESCRIPTION

What would I be doing?

- Review schedule requisitions, passenger counts and cargo, running times, distances, personnel availability and other pertinent information to establish schedule parameters
- Design new or modify existing schedules
- Incorporate into route plan factors such as peak travel periods, holidays, special events and construction with emphasis on time and cost efficiency
- Assign personnel to equipment and routes and schedule work shifts
- Compile equipment and personnel records, including hours in service, distances, maintenance, repairs required and other data to produce operating reports

PLACE OF WORK

Who needs Transportation Route and Crew Schedulers?

- Government agencies
- Taxi companies
- Delivery and courier companies
- Trucking companies
- Utility companies
- Logistics firms

CONDITIONS FOR WORK

- Completion of secondary school is required
- On-the-job training from employer is required

SALARIES/WAGES

In Ontario, a Transportation Route and Crew Scheduler can earn from \$11.00 to \$23.10 an hour

PROSPECTS OF EMPLOYMENT

- In Niagara Region – Fair

EDUCATION

- High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Business
 - Gr. 11 or 12 – Mathematics
- Post Secondary –
 - College diploma programs related to this career include telecommunications and call centre operations

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

Niagara Catholic District School Board –
www.niagararc.com
District School Board of Niagara –
www.dsbn.edu.on.ca

UNIVERSITIES

See Ontario Universities' Application Centre for a list of institutions with a related program
www.ouac.on.ca

COLLEGES

See Ontario Colleges for a list of institutions with a related program
www.ontariocolleges.ca

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

Not applicable

Following are some qualities and skills that people who have been successful in this career have found helpful:

Interpersonal skills
Strong decision making skills
Good memory
Strong oral communication skills
Reading skills
Writing skills

SUPERVISORS, MOTOR TRANSPORT AND (OTHER GROUND TRANSIT) OPERATORS

NOC7222

Supervisors in this unit group supervise and coordinate activities of truck drivers, bus drivers, delivery drivers, subway and other transit operators, chauffeurs and taxi and limousine drivers. This unit group also includes bus dispatchers who coordinate the activities of transit system bus drivers and subway traffic controllers who operate and monitor signal and track switch control panels. They are employed by motor and ground transit companies and by urban transit systems.

RELATED OCCUPATIONS

- Bus dispatcher
- Foreman/woman - truck drivers
- Mobile inspector - transit
- Subway traffic controller
- Railway traffic controller
- Supervisor - light rail transit operators
- Supervisor - subway operators

WORK DESCRIPTION

What would I be doing?

- Supervise, coordinate and schedule the activities of workers who operate trucks, buses, subway trains, light rail transit, street cars, taxis and other transport vehicles
- Establish methods to meet work schedules
- Resolve work problems and recommend measures to improve performance
- Train staff in job duties, safety procedures and company policies
- Dispatch bus drivers and monitor routes to ensure schedules are met and to resolve operating problems
- Prepare work reports and budgets and monitor expenditures

PLACE OF WORK

Who needs Supervisors of Motor Transport and Other Ground Transit Operators?

- Motor transportation companies
- Ground transit companies
- Urban transit systems

CONDITIONS FOR WORK

- Completion of secondary school is usually required
- Several years of experience as a driver or operator of motor transport or ground transit equipment are usually required

SALARIES/WAGES

Information not available

PROSPECTS OF EMPLOYMENT

- In Niagara Region – Information not available

EDUCATION

- High School – OSSD
 - Gr. 11 or 12 –
 - Gr. 11 or 12 –
 - Gr. 11 or 12 –
- Post Secondary –
 - Not applicable

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

Niagara Catholic District School Board –
www.niagararc.com
District School Board of Niagara –
www.dsbn.edu.on.ca

UNIVERSITIES

See Ontario Universities' Application Centre for a list of institutions with a related program
www.ouac.on.ca

COLLEGES

See Ontario Colleges for a list of institutions with a related program
www.ontariocolleges.ca

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

Not applicable

Following are some qualities and skills that people who have been successful in this career have found helpful:

Oral and written communication
Interpersonal skills
Problem solving skills
Decision making skills
Critical thinking
Willingness to learn
Teamwork skills

AUTOMOTIVE SERVICE TECHNICIANS

NOC7321

Automotive service technicians inspect, diagnose, repair and service mechanical, electrical and electronic systems and components of cars, buses, and light and commercial transport trucks. They are employed by motor vehicle dealers, garages, truck and trailer dealerships, fleet maintenance companies, service stations, automotive specialty shops, transportation companies and retail establishments that have automotive service shops. This unit group also includes mechanical repairers who perform major repairs and replacement of mechanical units on newly assembled motor vehicles. They are employed by motor vehicle manufacturing companies.

RELATED OCCUPATIONS

- Automobile mechanic
- Automotive service technician
- Mechanical up-grader
- Motor repairer
- Transmission mechanic
- Truck and transport mechanic

WORK DESCRIPTION

What would I be doing?

- Inspect motor operation and test automotive systems and components using computerized diagnostic and other testing devices to diagnose and isolate faults
- Adjust, repair or replace parts and components of automotive systems including fuel system, brakes, steering and suspension, engine and drive train, emission control and exhaust, cooling and climate control, and electrical and electronic systems using hand tools and other specialized automotive repair equipment
- Perform scheduled maintenance service such as oil changes, lubrications and tune ups
- Advise customers on work performed, general vehicle condition and future repair requirements

PLACE OF WORK

Who needs Automotive Service Technicians?

- Motor vehicle dealers
- Garages

- Fleet maintenance companies
- Automotive service shops
- Transportation companies

CONDITIONS FOR WORK

- Completion of secondary school is required
- Completion of a four-year automotive service technician apprenticeship program *or* a combination of over four years of work experience in the trade and high school, college or industry courses in automotive technology is required to be eligible for trade certification
- Automotive service technician trade certification is mandatory in most provinces, including Ontario

SALARIES/WAGES

In Niagara, an Automotive Service Technician can earn from \$9.65 to \$21.90 an hour
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PROSPECTS OF EMPLOYMENT

- In Niagara Region – Good

EDUCATION

- High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Mechanics
 - Gr. 11 or 12 – Computers
 - Gr. 11 or 12 – Mathematics
- Post Secondary –
 - College programs related to this career include truck and coach technician and motive power technician

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

Niagara Catholic District School Board –
www.niagararc.com
District School Board of Niagara –
www.dsbn.edu.on.ca

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

Automotive Industries Association of Canada
www.aiacanada.com
Skilled Trades Association
www.skilledtradesassociation.com

UNIVERSITIES

Not applicable

COLLEGES

See Ontario Colleges for a list of institutions with a related program
www.ontariocolleges.ca

Following are some qualities and skills that people who have been successful in this career have found helpful:

Interpersonal skills
Problem solving skills
Effective communication skills
Math skills
Mechanical skills
Computer skills
Willingness to learn
Good physical condition

TRUCK DRIVERS

NOC7411

Truck drivers operate heavy trucks to transport goods and materials over urban, interurban, provincial and international routes. They are employed by transportation companies, manufacturing and distribution companies, moving companies and employment service agencies, or they may be self-employed. This unit group also includes shunters who move trailers to and from loading docks within trucking yards or lots.

RELATED OCCUPATIONS

- Bulk goods truck driver
- Dump truck driver
- Flatbed truck driver
- Logging truck driver
- Long haul truck driver
- Moving van driver

WORK DESCRIPTION

What would I be doing?

- Operate and drive straight or articulated trucks, weighing over 4,600 kg with three or more axles, to transport goods and material to destinations
- Oversee all aspects of vehicles such as condition of equipment, loading and unloading, and safety and security of cargo
- Perform pre-trip inspection of vehicle systems and equipment such as tires, lights, brakes and cold storage
- Obtain special permits and other documents required to transport cargo on international routes
- Record cargo information, distance travelled, fuel consumption and other information in log book or on on-board computer
- Communicate with dispatcher and other drivers using two-way radio or cellular telephone
- May transport hazardous products or dangerous goods

PLACE OF WORK

Who needs Truck Drivers?

- Construction site maintenance firms
- Trucking companies
- Manufacturing and distribution companies
- Transportation companies
- Self-employment

CONDITIONS FOR WORK

- Completion of secondary school is usually required
- On-the-job training is provided
- Several different licenses may be required depending on the type of truck driven

SALARIES/WAGES

In Niagara, a Truck Driver can earn from \$11.95 to \$21.47 an hour

PROSPECTS OF EMPLOYMENT

- In Niagara Region – Good

EDUCATION

- High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Mechanical technologies
 - Gr. 11 or 12 – Business
- Post Secondary
 - Not applicable

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

Niagara Catholic District School Board –
www.niagararc.com
District School Board of Niagara –
www.dsbni.edu.on.ca

UNIVERSITIES

Not applicable

COLLEGES

See Ontario Colleges for a list of institutions with a related program
www.ontariocolleges.ca

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

Ontario Trucking Association
www.ontruck.org
Canadian Trucking Human Resources Council
www.cthrc.com
Canadian Trucking Alliance
www.cantruck.com
Transportation Association of Canada
www.tac-atc.ca

Following are some qualities and skills that people who have been successful in this career have found helpful:

Ability to drive for long periods of time
Flexible schedule
Interpersonal skills
Problem solving skills
Job task planning and organizing
Mechanical skills
Customer service skills
Computer skills

BUS DRIVERS, SUBWAY OPERATORS AND OTHER TRANSIT OPERATORS

NOC7412

This unit group includes workers who drive buses and operate streetcars, subway trains and light rail transit vehicles to transport passengers on established routes. Bus drivers are employed by urban transit systems, elementary and secondary schools and private transportation companies. Streetcar, subway and light rail transit operators are employed by urban transit systems.

RELATED OCCUPATIONS

- Bus driver
- Ground transportation driver
- Light rail transit operator
- Motor coach driver
- School bus driver
- Streetcar operator
- Subway train operator

WORK DESCRIPTION

What would I be doing?

- Drive buses or streetcars to transport passengers along established routes to local destinations
- Drive school buses to transport children between school and home or on excursions
- Provide passengers with information on fares, schedules and stops
- Collect fares, issue transfers, check bus passes and record transactions
- Report delays, mechanical problems and accidents
- May load and unload passengers' luggage
- Operate controls to open and close transit vehicle doors
- Direct passengers during emergency evacuation procedures

PLACE OF WORK

Who needs Bus, Subway and Other Transit Operators?

- Urban transit systems
- Elementary and secondary schools
- Private transportation companies

CONDITIONS FOR WORK

- Completion of secondary school is usually required
- Up to three months of on-the-job training, including classroom instruction, is usually required for all occupations in this unit group
- A minimum of one year of safe driving experience is required
- Bus drivers require a Class B, C, E or F driver's license in Ontario, and a Class 2 driver's license elsewhere
- An air brakes endorsement and first aid certificate may be required

SALARIES/WAGES

In Ontario, a Bus, Subway or Other Transit Operator can earn from \$8.50 to \$20.25 an hour

PROSPECTS OF EMPLOYMENT

- In Ontario – Good

EDUCATION

- High School – OSSD
 - Gr. 11 or 12 – English
- Post Secondary –
 - Not applicable

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

Niagara Catholic District School Board –
www.niagararc.com
District School Board of Niagara –
www.dsbn.edu.on.ca

UNIVERSITIES

Not applicable

COLLEGES

See Ontario Colleges for a list of institutions with a related program
www.ontariocolleges.ca

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

Ontario Trucking Association
www.ontruck.org
Canadian Trucking Human Resources Council
www.cthrc.com
Canadian Trucking Alliance
www.cantruck.com
Transportation Association of Canada
www.tac-atc.ca

Following are some qualities and skills that people who have been successful in this career have found helpful:

Ability to drive for long periods of time
Flexible schedule
Interpersonal skills
Problem solving skills
Job task planning and organizing
Mechanical skills
Customer service skills
Computer skills

HEAVY EQUIPMENT OPERATORS

NOC7421

Heavy equipment operators operate heavy equipment used in the construction and maintenance of roads, bridges, airports, gas and oil pipelines, tunnels, buildings and other structures, in surface mining and quarrying activities, and in material handling work. They are employed by construction companies, heavy equipment contractors, public works departments and pipeline, logging, cargo-handling and other companies.

RELATED OCCUPATIONS

- ❑ Backhoe, bulldozer, excavator, or grader operator
- ❑ Loader operator – construction
- ❑ Side boom tractor operator
- ❑ Surface mining equipment operator

WORK DESCRIPTION

What would I be doing?

- ❑ Operate heavy equipment such as backhoes, bulldozers, loaders and graders to excavate, move, load and grade earth, rock, gravel or other materials during construction and related activities
- ❑ Operate crash, fire and rescue equipment efficiently to ensure safety and protection of life, property and the environment
- ❑ Operate heavy equipment to move, load and unload cargo
- ❑ Conduct pre-operational checks on equipment and clean, lubricate and refill equipment
- ❑ Perform preventative maintenance, minor repairs and minor building maintenance

PLACE OF WORK

Who needs Heavy Equipment Operators?

- ❑ Construction companies
- ❑ Heavy equipment contractors
- ❑ Public works department
- ❑ Airports
- ❑ Municipal government

CONDITIONS FOR WORK

- ❑ Some secondary school education is required
- ❑ Completion of a one- to two-year apprenticeship program *or* some high school, college or industry courses in heavy equipment operating combined with on-the-job training are required
- ❑ Internal company certification may be required by some employers

SALARIES/WAGES

In Niagara, a Heavy Equipment Operator can earn from \$15.00 to \$27.95 an hour

PROSPECTS OF EMPLOYMENT

- ❑ In Niagara Region – Fair

EDUCATION

- ❑ High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Mathematics
 - Gr. 11 or 12 – Mechanical technology
- ❑ Post Secondary –
 - Not applicable

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

Niagara Catholic District School Board –
www.niagararc.com
District School Board of Niagara –
www.dsbn.edu.on.ca

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

Canadian Association of Equipment Distributors
www.caed.org
International Air Transport Association
www.iata.org

UNIVERSITIES

Not applicable

COLLEGES

See Ontario Colleges for a list of institutions with a related program
www.ontariocolleges.ca

Following are some qualities and skills that people who have been successful in this career have found helpful:

Interpersonal skills
Effective communication skills
Ability to understand and follow directions
Strong writing skills
Math skills
Mechanical skills



Ticket Agents, Cargo
Service Reps & Related
Clerks
NOC: 6434



Transportation Route
and Crew Schedulers
NOC: 1476



Transportation
Managers
NOC: 0713



Railway Conductors &
Brakemen/Women
NOC: 7362



Railway Track
Maintenance Workers
NOC: 7432



Railway & Motor
Transport Labourers
NOC: 7622



District School Board of Niagara



NIAGARA CATHOLIC DISTRICT SCHOOL BOARD

Transportation, Logistics & Warehousing Careers

Railway Sector

NIAGARA REGION

RAILWAY TRAFFIC CONTROLLERS

NOC2275

Railway traffic controllers coordinate passenger and freight train traffic on railways. They are employed by rail transport companies.

RELATED OCCUPATIONS

- ❑ Chief rail traffic controller
- ❑ Traffic regulator
- ❑ Rail traffic controller
- ❑ Train operator

WORK DESCRIPTION

What would I be doing?

- ❑ Operate and monitor centralized traffic control systems to coordinate and follow railway traffic
- ❑ Chart train movements, calculate arrival and departure times and record rail traffic information
- ❑ Issue instructions to control the movement of passenger and freight train traffic and on-track mobile maintenance equipment
- ❑ Receive, record and relay train instructions to train crew by hand or radio telephone
- ❑ May supervise and train other railway traffic controllers

PLACE OF WORK

Who needs Railway Traffic Controllers?

- ❑ Both large and small railway companies

CONDITIONS FOR WORK

- ❑ Completion of secondary school is required
- ❑ Certification of a fourth class engineer is required
- ❑ Certificate of competency from Transport Canada must be obtained.

SALARIES/WAGES

In Hamilton/Niagara Region, a Railway Traffic Controller can earn an average salary of \$50,000 per year
--

PROSPECTS OF EMPLOYMENT

- ❑ In Hamilton/Niagara Region – Limited

EDUCATION

- ❑ High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Mathematics
 - Gr. 11 or 12 – Computers
 - Gr. 11 or 12 – Physics
 - Gr. 11 or 12 – Geography
- ❑ Post Secondary –
 - A College degree program related to this career is Railway signals and Communication offered at Sault College

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

Niagara Catholic District School Board –
www.niagararc.com
District School Board of Niagara –
www.dsbn.edu.on.ca

COLLEGES:

Not applicable

UNIVERSITIES

Not applicable

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

Institute of Railway Technology
www.irtcanada.net
Railway Association of Canada
www.railcan.ca
Association of Train Operating Companies
www.atoc.org

Following are some qualities and skills that people who have been successful in this career have found helpful:

Critical thinking skills
Effective communication skills
Interpersonal skills
Management skills
Computer skills
Technical skills
Math skills

RAILWAY AND YARD LOCOMOTIVE ENGINEERS

NOC7361

Railway locomotive engineers operate railway locomotives to transport passengers and freight. They are employed by railway transport companies. Yard locomotive engineers operate locomotives within yards of railway, industrial or other establishments. They are employed by railway transport companies and industrial or commercial users of rail transport.

RELATED OCCUPATIONS

- ❑ Locomotive engineer – railway
- ❑ Railway engineer
- ❑ Railway hostler
- ❑ Switch engineer
- ❑ Yard engineer – railway

WORK DESCRIPTION

What would I be doing?

- ❑ Operate locomotives to transport passengers and freight on railways and to switch, couple and uncouple cars for loading and unloading
- ❑ Operate communication systems to communicate with train crews and traffic controllers to ensure safe operation and scheduling of trains
- ❑ Inspect assigned locomotives and test operating controls and equipment
- ❑ Inspect locomotives, replenish fuel or perform routine maintenance on locomotives

PLACE OF WORK

Who needs Railway or Yard Locomotive Engineer?

- ❑ Railway transport companies
- ❑ Industrial or commercial users of rail transport

CONDITIONS FOR WORK

- ❑ Completion of secondary school is required
- ❑ A University degree or college diploma in computer or other technology-based equipment may also be required
- ❑ Experience with the rail industry is also required

SALARIES/WAGES

In Hamilton/Niagara Region, a Railway or Yard Locomotive Engineer can earn an average salary of \$78,000 per year

PROSPECTS OF EMPLOYMENT

- ❑ In Hamilton/Niagara Region – Limited

EDUCATION

- ❑ High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Mechanical technology
 - Gr. 11 or 12 – Computers
 - Gr. 11 or 12 – Mathematics
- ❑ Post Secondary –
 - University/College programs related to this career include mechanical engineering and electrical engineering

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

Niagara Catholic District School Board –
www.niagararc.com
District School Board of Niagara –
www.dsbn.edu.on.ca

UNIVERSITIES

Not applicable

COLLEGES

See Ontario Colleges for a list of institutions with a related program
www.ontariocolleges.ca

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

Rail Association of Canada
www.railcan.ca
Canadian Council of Professional Engineers
www.ccpe.ca

Following are some qualities and skills that people who have been successful in this career have found helpful:

Reliable
Safety conscious
Effective communication skills
Interpersonal skills
Mechanical/technological skills
Leadership skills

RAILWAY CONDUCTORS AND BREAKPERSON

NOC7362

Railway conductors co-ordinate and supervise the activities of passenger and freight train crew members. Brakemen check train brakes and other systems and equipment prior to train run, and assist railway conductors in activities en route. They are employed by railway transport companies.

RELATED OCCUPATIONS

- Brakeman/woman
- Freight train conductor
- Passenger train conductor
- Railway conductor
- Train conductor

WORK DESCRIPTION

What would I be doing?

- Supervise and coordinate the activities of passenger and freight train crew members to ensure train operations are in accordance with schedule, train orders and code of operating rules
- Receive train orders and explain orders to brakemen/women, locomotive engineer and other crew members
- Communicate with train crew members by radio, signals or by other means to give and receive train operation information
- Collect fares on board passenger trains, announce approaching train stops and answer passenger enquiries
- Prepare train run reports

PLACE OF WORK

Who needs Railway Conductors and Break persons?

- Railway transport companies

CONDITIONS FOR WORK

- Completion of secondary school is usually required
- Railway conductors require a Canadian Rail Operating Rules certificate
- Brakemen/women require a Canadian Rail Operating Rules certificate

SALARIES/WAGES

In Ontario, a Railway Conductor and Breakperson can earn from \$12.50 to \$40.00 an hour
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PROSPECTS OF EMPLOYMENT

- In Niagara Region – Limited

EDUCATION

- High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Mechanics
 - Gr. 11 or 12 – Computers
 - Gr. 11 or 12 – Mathematics
- Post Secondary –
 - University/College programs related to this career include Railway signals and communications technician, railway conductor and heavy equipment operator

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

Niagara Catholic District School Board –
www.niagararc.com
District School Board of Niagara –
www.dsbn.edu.on.ca

UNIVERSITIES

Not applicable

COLLEGES

See Ontario Colleges for a list of institutions with a related program
www.ontariocolleges.ca

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

The Railway Association of Canada
www.railcan.ca
Institute of Railway Technology
www.irtcanada.net

Following are some qualities and skills that people who have been successful in this career have found helpful:

Physically fit
Physical coordination
Leadership
Willingness to learn
Effective communication skills
Job task and organizational skills
Problem solving skills
Safety awareness
Attention to detail
Interpersonal skills
Mechanical/technological skills
Computer skills

RAILWAY AND MOTOR TRANSPORT LABOURERS

NOC7622

Railway and motor transport labourers perform a variety of tasks to assist track maintenance workers and railway yard workers or motor transport operators. They are employed by railway transport companies and motor transport companies.

RELATED OCCUPATIONS

- Railway car checker
- Delivery truck helper
- Furniture mover helper
- Mover helper
- Railway labourer
- Signal gang helper
- Swamper – truck transport
- Truck driver helper

WORK DESCRIPTION

What would I be doing?

- Transport tools and equipment on push or hand cart and perform other duties to assist railway track maintenance workers to lay, maintain and repair railway tracks
- Cut vegetation growth from railway tracks using scythes and mowers
- Check freight cars for physical damage and cleanliness
- Assist truck and delivery drivers to load and unload vehicles
- Perform labouring duties in warehouses

PLACE OF WORK

Who needs Railway and Motor Transport Labourers?

- Railway transport companies
- Motor transport companies

CONDITIONS FOR WORK

- Some secondary school education is usually required

SALARIES/WAGES

In Ontario, a Railway and Motor Transport Labourer can earn from \$8.40 to \$25.85 an hour
--

PROSPECTS OF EMPLOYMENT

- In Niagara Region – Limited

EDUCATION

- High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Physical education
 - Gr. 11 or 12 – Mechanical Technology
- Post Secondary –
 - Not applicable

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

Niagara Catholic District School Board – www.niagararc.com
District School Board of Niagara – www.dsbn.edu.on.ca

UNIVERSITIES

Not applicable

COLLEGES

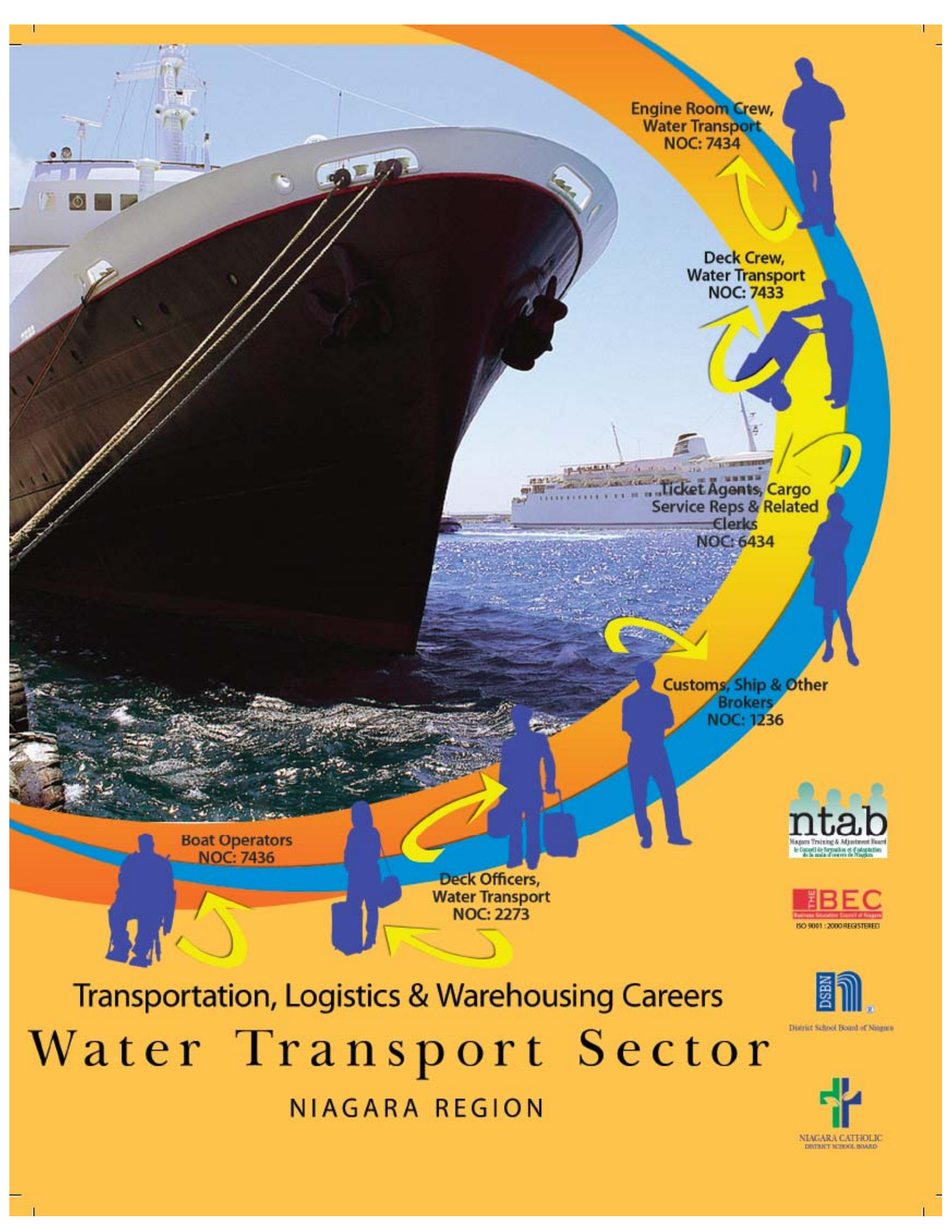
Not applicable

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

Railway Association of Canada
www.railcan.ca
Institute of Railway Technology
www.irtcanada.net

Following are some qualities and skills that people who have been successful in this career have found helpful:

Physically strong
Enjoy physical/outdoor work
Physical coordination
Teamwork skills
Mechanical skills



Engine Room Crew,
Water Transport
NOC: 7434



Deck Crew,
Water Transport
NOC: 7433



Ticket Agents, Cargo
Service Reps & Related
Clerks
NOC: 6434



Customs, Ship & Other
Brokers
NOC: 1236



Boat Operators
NOC: 7436



Deck Officers,
Water Transport
NOC: 2273



District School Board of Niagara



NIAGARA CATHOLIC
DISTRICT SCHOOL BOARD

Transportation, Logistics & Warehousing Careers

Water Transport Sector

NIAGARA REGION

DECK OFFICER/SHIPS CAPTAIN

NOC2273

Deck officers, water transport, operate ships or self-propelled vessels to transport passengers and cargo on oceans and coastal and inland waters and supervise and coordinate the activities of deck crews. This unit group also includes Canadian Coast Guard deck officers. They are employed by marine transportation companies and federal government departments including the Armed Forces.

RELATED OCCUPATIONS

- Deck officer
- Ferryboat master
- First mate - ship
- Officer – military
- Navigation officer - coast guard vessel
- Second mate - ship
- Ships captain

WORK DESCRIPTION

What would I be doing?

- Command and operate ships or other self-propelled vessels to transport passengers and cargo if captain became incapacitated
- Advise ships captain on the course to steer for safe passage into and out of port, seaway or other waterway under pilotage authority
- Plan and execute safe navigational passage using navigational aids
- Determine geographical position using navigational instruments, maps and charts
- Supervise and coordinate activities of deck crews
- Record vessel's progress, crew's activities, weather and sea conditions on ship's log

PLACE OF WORK

Who needs Deck Officers/Ships Captains?

- Marine transportation companies
- Federal government departments
- Armed Forces

CONDITIONS FOR WORK

- Completion of secondary school is required
- Completion of a deck officer cadet program from an approved nautical institute or one to three years experience as a member of a deck crew is required
- Certificate of competency from Transport Canada must be obtained

SALARIES/WAGES

In Niagara, a Deck Office/Ships Captain can earn from \$16.80 to \$39.81 an hour
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PROSPECTS OF EMPLOYMENT

- In Niagara Region – Good

EDUCATION

- High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Mathematics
 - Gr. 11 or 12 – Science
 - Gr. 11 or 12 – Social Studies
 - Gr. 11 or 12 – Geography
- Post Secondary –
 - Most approved nautical institutes are located outside of Ontario

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE

UPGRADING

Niagara Catholic District School Board –
www.niagararc.com
District School Board of Niagara –
www.dsbn.edu.on.ca

UNIVERSITIES

Not applicable

COLLEGES

BCIT – Pacific Marine Training
www.bcit.ca/transportation/marine

Canadian Coast Guard College
www.cgc.gc.ca/CGC

Georgian College
www.marinetraining.ca

Marine Institute
www.mi.mun.ca

Nova Scotia Nautical Institute
www.nsc.ca/marine

**INSTITUTIONS FOR CERTIFICATION/
PROFESSIONAL ASSOCIATIONS**

Association of Canadian Port Authorities
www.acpa-ports.net

Canadian Merchant Service Guild
www.cmsg-gmmc.ca

Following are some qualities and skills that people who have been successful in this career have found helpful:

Effective communication skills
Attention to detail
Interpersonal skills
Problem solving
Critical thinking
Ability to read graphs and maps
Math skills
Computer skills

ENGINEER OFFICERS

NOC2274

Engineer officers, water transport, operate and maintain main engines, machinery and auxiliary equipment aboard ships and other self-propelled vessels and supervise and coordinate the activities of engine room crews. They are employed by marine transportation companies and federal government departments including the Armed Forces.

RELATED OCCUPATIONS

- Chief engineer
- Engineer officer
- Fourth engineer
- Marine engineer officer
- Second engineer
- Third engineer

WORK DESCRIPTION

What would I be doing?

- Operate main engines, machinery and all auxiliary equipment aboard ships such as boilers, steering and deck machinery, motors, pumps, generators and condensers
- Stand engine room watch, monitoring and noting performance of engines, machinery and all auxiliary equipment
- Inspect and conduct maintenance and emergency repair to engines, machinery and all auxiliary equipment
- Supervise and coordinate activities of engine room crew
- Maintain records and prepare reports on engine performance and failures

PLACE OF WORK

Who needs Engineering Officers?

- Marine transportation companies
- Federal government departments
- Armed Forces

CONDITIONS FOR WORK

- Completion of secondary school is required
- Certification of a fourth class marine engineer is required
- Certificate of competency from Transport Canada must be obtained

SALARIES/WAGES

In Niagara, an Engineering Officer can earn from \$24.12 to \$37.22 an hour

PROSPECTS OF EMPLOYMENT

- In Niagara Region – Good

EDUCATION

- High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Mathematics
 - Gr. 11 or 12 – Chemistry
 - Gr. 11 or 12 – Physics
- Post Secondary –
 - Accredited marine training institutes are found all over Canada, but most are in the Atlantic Region

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

Niagara Catholic District School Board –
www.niagararc.com
District School Board of Niagara –
www.dsbn.edu.on.ca

UNIVERSITIES

Not applicable

COLLEGES

Not applicable

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

International Ship Electrical and Engineering Service Associations
www.osesassociation.com
Professional Engineers of Ontario
www.peo.on.ca
Canadian Marine Officer's Union
www.cmou.ca
Canadian Institute of Marine Engineers
www.cimare.org

Following are some qualities and skills that people who have been successful in this career have found helpful:

Problem solving skills
Decision making skills
Interpersonal skills
Mechanical skills
Math skills
Computer skills
Teamwork skills
Ability to read and interpret documents

MARINE TRAFFIC REGULATORS

NOC2275

Marine traffic regulators monitor and regulate coastal and inland marine traffic within assigned waterways. They are employed by port, harbour, canal and lock authorities and by the Canadian Coast Guard.

RELATED OCCUPATIONS

- ❑ Chief traffic controller
- ❑ Marine traffic regulator

WORK DESCRIPTION

What would I be doing?

- ❑ Direct and monitor vessel movements using remote radio systems and other telecommunication equipment
- ❑ Obtain position, course, speed and estimated arrival time of vessels and monitor vessel progress through traffic zone
- ❑ Issue clearance instructions to vessels, advise vessels of traffic volumes and weather conditions and relay information to next marine traffic control sector
- ❑ Report accidents, distress signals, navigational hazards and other emergencies to authorities
- ❑ Maintain log of vessel movements, size and structure

PLACE OF WORK

Who needs Marine Traffic Regulators?

- ❑ Port, harbour, lock and canal authorities
- ❑ Canadian Coast Guard

CONDITIONS FOR WORK

- ❑ Completion of secondary school is required
- ❑ Formal training, provided by the employer is also required
- ❑ University degree or college diploma may also be required

SALARIES/WAGES

In Hamilton/Niagara Region, a Marine Traffic Regulator can earn an average salary of \$50,000 per year
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PROSPECTS OF EMPLOYMENT

- ❑ In Hamilton/Niagara Region – Good

EDUCATION

- ❑ High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Geography
 - Gr. 11 or 12 – Social studies
 - Gr. 11 or 12 – French
- ❑ Post Secondary –
 - College degree programs related to this career are Transportation Engineering Technology and Electronic Engineering Technology

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

Niagara Catholic District School Board – www.niagararc.com
District School Board of Niagara – www.dsbn.edu.on.ca

UNIVERSITIES
Not applicable

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS
Association of Canadian Port Authorities
www.acpa-ports.net

COLLEGES

Not applicable

Following are some qualities and skills that people who have been successful in this career have found helpful:

Interpersonal skills
Effective communication skills
Critical thinking skills
Problem solving skills
Continuous learning
Computer skills
Math skills
Ability to multi-task

DECK CREW, WATER TRANSPORT

NOC7433

Workers in this unit group stand watch, operate and maintain deck equipment and perform other deck and bridge duties aboard ships or self-propelled vessels under the direction of deck officers. They are employed by marine transportation companies and federal government departments, including the Armed Forces

RELATED OCCUPATIONS

- ❑ Able seaman/woman
- ❑ Boatswain – military
- ❑ Deckhand
- ❑ Ordinary seaman/woman
- ❑ Tunnel operator - ship

WORK DESCRIPTION

What would I be doing?

- ❑ Stand watch and steer ship or self-propelled vessel under the direction of the officer on watch
- ❑ Operate, maintain and repair deck equipment such as winches, cranes, derricks and hawsers
- ❑ Clean, chip and paint deck surfaces
- ❑ Handle mooring lines and splice and repair ropes, wire cables and cordage when docking or departing
- ❑ Work under supervision of the ship's officers

PLACE OF WORK

Who needs Water Transport Deck Crews?

- ❑ Marine transportation companies
- ❑ Federal government departments
- ❑ Armed Forces
- ❑ Ferry companies
- ❑ Water taxi services
- ❑ Port and harbour authorities

CONDITIONS FOR WORK

- ❑ Some secondary school education is required
- ❑ On-the-job training is provided
- ❑ Senior positions in this unit group such as able seaman/woman, require experience

SALARIES/WAGES

In Niagara, a Water Transport Deck Crew can earn from \$14.60 to \$28.55 an hour
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PROSPECTS OF EMPLOYMENT

- ❑ In Niagara Region – Good

EDUCATION

- ❑ High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Physical education
 - Gr. 11 or 12 – Mechanical technology
- ❑ Post Secondary
 - College programs related to this career include Heavy equipment mechanic and bridge watchman

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

Niagara Catholic District School Board –
www.niagararc.com
District School Board of Niagara –
www.dsbn.edu.on.ca

UNIVERSITIES

Not applicable

COLLEGES

See Ontario Colleges for a list of institutions with a related program
www.ontariocolleges.ca

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

Aquaculture Association of Canada
www.aquacultureassociation.ca

Following are some qualities and skills that people who have been successful in this career have found helpful:

Physically fit
Manual dexterity
Effective communication skills
Mechanical skills

ENGINE ROOM CREW, WATER TRANSPORT

NOC7434

Workers in this unit group assist ship engineer officers to operate, maintain and repair engines, machinery and auxiliary equipment aboard ships or self-propelled vessels. They are employed by marine transportation companies and federal government departments including the Armed Forces

RELATED OCCUPATIONS

- ❑ Ship engine room crew
- ❑ Greaser, engine room
- ❑ Marine engineering mechanic
- ❑ Marine engine oiler
- ❑ Ship boiler tender
- ❑ Ship stoker

WORK DESCRIPTION

What would I be doing?

- ❑ Assist ship engineer officers in performing routine maintenance and repair to ship's engine, machinery and auxiliary equipment
- ❑ Monitor engine, machinery and equipment indicators, record variables and report abnormalities to ship engineer officer on watch
- ❑ Lubricate moving parts of engines, machinery and auxiliary equipment
- ❑ Operate and maintain off-loading liquid pumps and valves
- ❑ Clean engine parts and keep engine room clean

PLACE OF WORK

Who needs Water Transport Engine Room Crews?

- ❑ Marine transportation companies
- ❑ Federal government departments
- ❑ Armed Forces

CONDITIONS FOR WORK

- ❑ Some secondary school education is required
- ❑ On-the-job training is provided

SALARIES/WAGES

In Niagara, a Water Transport Engine Room Crew can earn from \$20.25 to \$30.40 an hour

PROSPECTS OF EMPLOYMENT

- ❑ In Niagara Region – Good

EDUCATION

- ❑ High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Mechanical technologies
 - Gr. 11 or 12 – Business
- ❑ Post Secondary
 - Not applicable

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

Niagara Catholic District School Board –
www.niagararc.com
District School Board of Niagara –
www.dsbn.edu.on.ca

UNIVERSITIES

Not applicable

COLLEGES

See Ontario Colleges for a list of institutions with a related program
www.ontariocolleges.ca

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

www.cantruck.com
Transportation Association of Canada
www.tac-atc.ca

Following are some qualities and skills that people who have been successful in this career have found helpful:

Ability to drive for long periods of time
Flexible schedule
Interpersonal skills
Problem solving skills
Job task planning and organizing
Mechanical skills
Customer service skills
Computer skills

LOCK AND CABLE FERRY OPERATORS

NOC7435

This unit group includes workers who operate lock gates, bridges and similar equipment along canal systems, workers who operate cable ferries and ferry terminal workers. They are employed by the federal government, cable ferry companies and in ferry terminals

RELATED OCCUPATIONS

- Bridgemaster
- Cable ferry operator
- Canal lock operator
- Ferry terminal worker
- Loading bridge operator
- Lockmaster

WORK DESCRIPTION

What would I be doing?

- Operate telecommunication equipment or use portable loudspeakers to direct movements of vessels in lock area
- Operate controls to open or close lock gates
- Operate controls to raise, lower or turn bridges
- Observe progress of vessels passing through locks
- Signal passengers and motor vehicles to embark and disembark
- Operate controls to adjust landing bridge, position or remove gangplank, open or close doors and gates, and secure or remove docking devices

PLACE OF WORK

Who needs Lock and Cable Ferry Operators?

- Federal government
- Cable ferry companies
- Ferry terminals

CONDITIONS FOR WORK

- Some secondary school education is required
- On-the-job training is provided

SALARIES/WAGES

In Ontario, a Lock and Cable Ferry Operator can earn from \$17.50 to \$21.85 an hour
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PROSPECTS OF EMPLOYMENT

- In Ontario – Limited

EDUCATION

- High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Mechanical technologies
 - Gr. 11 or 12 – Business
- Post Secondary –
 - Not applicable

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

Niagara Catholic District School Board – www.niagararc.com
District School Board of Niagara – www.dsbn.edu.on.ca

UNIVERSITIES

Not applicable

COLLEGES

See Ontario Colleges for a list of institutions with a related program
www.ontariocolleges.ca

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

Not applicable

Following are some qualities and skills that people who have been successful in this career have found helpful:

Ability to drive for long periods of time
Flexible schedule
Interpersonal skills
Problem solving skills
Job task planning and organizing
Mechanical skills
Customer service skills
Computer skills

LONGSHORE WORKERS

NOC7451

Longshore workers transfer cargo throughout dock area and onto and from ships and other vessels. They are employed by marine cargo handling companies, shipping agencies and shipping lines

RELATED OCCUPATIONS

- Dockworker
- Longshoreman/woman
- Ship loader operator
- Tanker loader

WORK DESCRIPTION

What would I be doing?

- Operate industrial trucks, tractors and other mobile equipment to transfer cargo such as containers, crated items, automobiles and pallet-mounted machinery around dock to within range of cranes and hoists
- Operate winches or other hoisting devices to load and unload cargo onto and from ships and other vessels
- Operate equipment to transfer bulk materials such as grain to hold of vessels
- Connect hoses and operate equipment to transfer liquid materials into storage tanks on vessels
- Perform other activities such as lashing and shoring cargo aboard ships, opening and closing hatches, cleaning holds of ships and rigging cargo

PLACE OF WORK

Who needs Longshore Workers?

- Marine cargo handling companies
- Shipping agencies
- Shipping lines

CONDITIONS FOR WORK

- Completion of secondary school is required
- On-the-job training is provided
- Special driver's licenses may also be required

SALARIES/WAGES

In Ontario, a Longshore Worker can earn from \$9.40 to \$20.00 an hour
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PROSPECTS OF EMPLOYMENT

- In Niagara Region – Limited

EDUCATION

- High School – OSSD
 - Gr. 11 or 12 – English
 - Gr. 11 or 12 – Physical education
 - Gr. 11 or 12 – Mechanical technology
 - Gr. 11 or 12 – Mathematics
- Post Secondary
 - University/College programs related to this career include heavy equipment operator and hoisting engineer

Below are the names and contact information of institutions and organizations that may prove helpful in your further search for information about this career:

INSTITUTIONS FOR SECONDARY SCHOOL PRE-REQUISITE UPGRADING

Niagara Catholic District School Board –
www.niagararc.com
District School Board of Niagara –
www.dsbn.edu.on.ca

UNIVERSITIES

Not applicable

COLLEGES

See Ontario Colleges for a list of institutions with a related program
www.ontariocolleges.ca

INSTITUTIONS FOR CERTIFICATION/ PROFESSIONAL ASSOCIATIONS

International Longshoreman's Association
www.ilaunion.org
Association of Canadian Port Authorities
www.acpa-ports.net

Following are some qualities and skills that people who have been successful in this career have found helpful:

Ability to take directions
Enjoy physical/outdoor work
Safety conscious
Mechanical skills
Teamwork skills
Excellent hand-eye coordination
Good spatial perception

