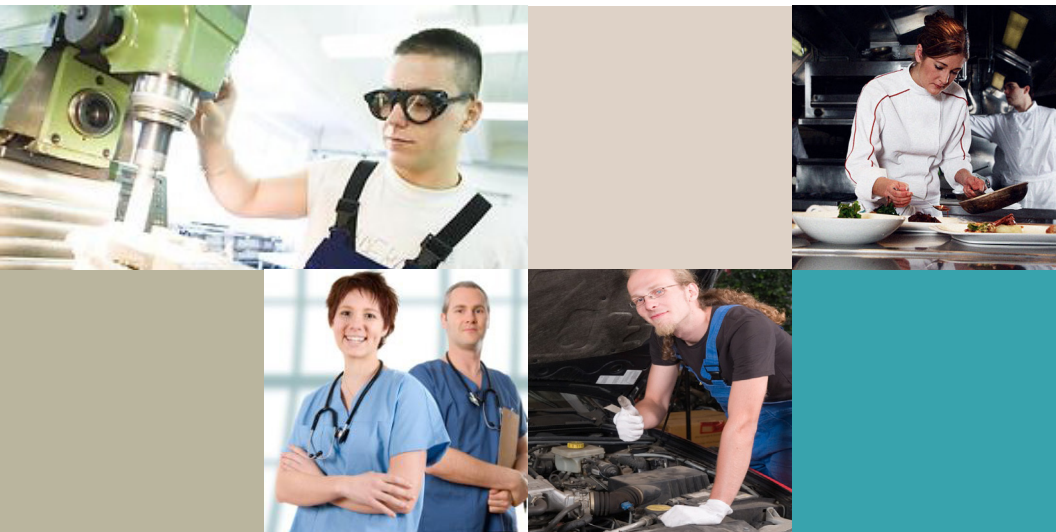


Where the Jobs will be in Northumberland 2013 -2015

Employment Projections in
Skilled Occupations

GUIDE BOOK

May 2013



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1 EXECUTIVE SUMMARY

In developing a competitive, skilled and adaptable workforce, you must strive to have a readily available supply of workers with the appropriate skills and education to meet the current and future needs of industry. Meeting the labour market demand of industry is challenging for all involved. Yet the need to do so in a rapidly changing economy has never been greater.

In addition to this challenge of matching supply with demand, many economists predict that, despite the recent recession, we are facing a serious demographic and labour crisis on the horizon.

In the Province of Ontario, the Ministry of Finance data projects the shortfall in the availability of workers in Ontario to reach an estimated high of 1.8 million by 2031, depending on our level of population growth.

There are 3 main critical issues that are contributing to this pending shortage of labour:

- Aging population -- mass exodus of baby-boomers retiring
- Low birth rate -- not reaching replacement levels - more deaths than births
- Emergence of knowledge economy -- proportion of labour force requiring postsecondary education will increase



Without effective action at the local, provincial and national levels, we may face a future with a large numbers of unskilled workers looking for jobs that require skills they do not possess, and a large number of jobs that will go unfilled.

The focus of this project was to identify projected employment opportunities in skilled occupations in Northumberland County. These skilled occupations require a college, apprenticeship or university education. Projection of these opportunities was done using an evidence-based forecasting model to ensure forecasts provided are as accurate as possible.

The purpose of these results is multi-fold. The information will assist youth and other stakeholders in making informed education and career decisions to ensure they have the skills for existing industry and attraction of new business investment. The results will also inform economic development organizations, educators and trainers and employment service providers of areas of potential occupational shortages or challenges in the future. It will also provide support for attracting new Canadians to Northumberland through the identification of job opportunities – matching skills to needs.

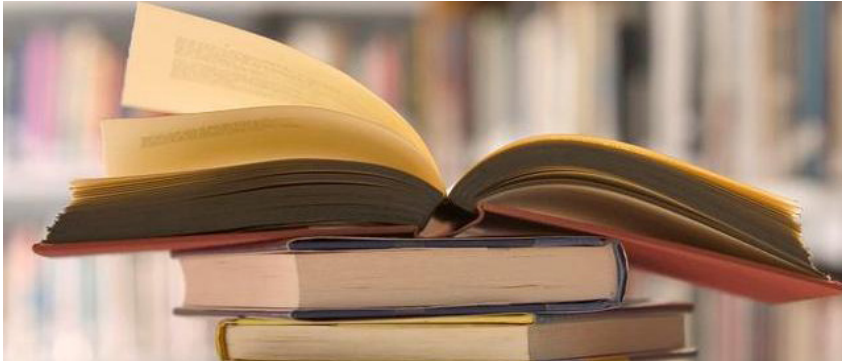
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There were 4 components to this project:

- Research & Analysis of Initial Data;
- Development and Implementation of an Employer Survey;
- Analysis of Survey Results and Preparation of An Electronic Occupational Guide; and,
- Marketing of Results.

The Results

This guide provides employment projections on 47 skilled occupational groupings that represent 70 of over 300 skilled occupations according to the National Occupational Classification (NOC) Guide. These 70 occupations make up 74% of all the total skilled employed labour force in Northumberland County based on the available Census data.

Over 1000 employers were contacted throughout 63 industrial sectors in Northumberland County. The industrial sectors were based on the four-digit industry groups as defined by the North American Industry Classification System (NAICS). Please refer to Statistics Canada for more information on the NAICS (www.statcan.gc.ca).

Surveys were conducted for a 4 month period from November 2012 to March 2013. Employers were asked to provide employment projections for the next 18 months on selected skilled occupations.

A total of 559 employment opportunities were projected over the next 18 months. 333 or 59.6% were in full-time positions and 226 or 40.4% were in part-time positions. What makes these results significant is the fact that employers are projecting a need of 559 workers within an 18 month period but it takes a minimum of 2 years to educate and train people for these positions. So the question is whether or not these workers are available.



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2 PROJECT BACKGROUND & METHODOLOGY

As part of a local labour market initiative, Economic Development offices in Northumberland County decided to launch a “Need to Know Campaign” in response to potential skill gaps in the area.

The initiative aimed to identify projected employment of skilled workers and other selected occupations in Northumberland. With the goal of providing direction for job seekers, students and educators in determining career paths and training. The Campaign’s outcomes will help ensure that there is a readily available and talented skilled labour force to meet the employment requirements of businesses.



Methodology

The following steps were followed in undertaking this project. They have been simplified for this report.

Step 1: Form a Steering Committee to provide direction and guidance on the project.

A Steering Committee was formed with economic development representatives from Northumberland County; Port Hope; Cobourg, the Workforce Development Board for Northumberland, Peterborough, Haliburton and Kawartha Lakes; and Fleming College.

Step 2: Hire Staff

A Project Consultant was hired to assist in the development and the undertaking of the activities of the project.



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Step 3: Conduct Research and Analysis to Determine Skilled Occupations and Industries to form the basis of the Employer Survey

Data from the 2006 Census (2011 data is not available until late fall of 2013) was analyzed to determine the skilled occupations to be targeted. 70 skilled occupations were targeted which represented 74% of the total employed labour force in skilled occupations.

Significant industries that employed these selected occupations were then chosen to survey. Contact information on employers was purchased from Info Canada. These contact lists had to be supplemented with further research.



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Step 4: Organize Logistics of Survey

A hard-copy survey was prepared and proper statistical survey methodologies were adhered to. A survey team was put together and trained on the aspects of the survey. Reporting structures and appropriate data collection procedures were established.

Step 5: Conduct Survey with Employers

Employers were surveyed over a period of 4 months.

Step 6: Compile, Analyze and Interpret Survey Results

The survey results were compiled, analyzed and interpreted according to proper statistical procedures.

Step 7: Develop a Guidebook for Youth & Brochure

An electronic guidebook was prepared discussing the findings of this project. A brochure was also prepared providing a brief summary of projected employment opportunities.

3 LIST OF OCCUPATIONS

The following is a list of all the occupations included in the guide. Detailed information on each occupation including employment projections for the next 18 months is found in section 4.0 Occupations. The four-digit numeric code comes from the National Occupation Classification (NOC), based on the 2006 NOC. The NOC is produced by Human Resources and Skills Development Canada and provides a standardized language for describing the work performed by Canadians in the labour market. For more information, please visit their website at www.hrsdc.gc.ca.

1 Financial Officer

1111 Financial Auditors and Accountants
1112 Financial and Investment Analysts
1114 Other Financial Officers

2 Professional Business Officers/ Consultants

1122 Professional Occupations in
Business Services to Management

3 Supervisors, Recording, Distributing and Scheduling Occupations

1215 Supervisors, Recording,
Distributing and Scheduling
Occupations

4 Administrative Roles

1221 Administrative Officers
1231 Book Keepers
1241 Secretaries (except legal and
medical)

5 Purchasing Agents and Officers

1225 Purchasing Agents and Officers

6 Legal Secretaries

1242 Legal Secretaries

7 Medical Secretaries

1243 Medical Secretaries

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8 Civil Engineers, Technologists & Technicians

2131 Civil Engineers
2231 Civil Engineering Technologists and Technicians

9 Mechanical Engineers, Technologists & Technicians

2132 Mechanical Engineers
2232 Mechanical Engineering Technologists and Technicians

10 Electrical Engineers, Technologists & Technicians

2133 Electrical and Electronics Engineers
2241 Electrical and Electronics Engineering Technologists and Technicians

11 Industrial and Manufacturing Engineers, Technologists & Technicians

2141 Industrial and Manufacturing Engineers
2233 Industrial Engineering and Manufacturing Technologists and Technicians

12 Metallurgical and Materials Engineers

2142 Metallurgical and Materials Engineers

13 IT and Computer Related Occupations

2171 Information Systems Analysts and Consultants
2174 Computer Programmers and Interactive Media Developers
2282 User Support Technicians

14 Chemical Technologists and Technicians

2211 Chemical Technologists and Technicians

15 Inspectors in Public Environmental Health and Occupational Health and Safety

2263 Inspectors in Public Environmental Health and Occupational Health and Safety

16 Pharmacists

3131 Pharmacists

17 Occupational Therapists

3143 Occupational Therapists

18 Registered Nurses

3152 Registered Nurses

19 Medical Laboratory Technicians

3212 Medical Laboratory Technicians

20 Licensed Practical Nurses

3233 Licensed Practical Nurses

21 Ambulance Attendants and Other Paramedical Occupations

3234 Ambulance Attendants and Other Paramedical Occupations

22 Lawyers

4112 Lawyers

23 Legal Positions

4155 Probation and Parole Officers and Related Occupations
4211 Paralegal and Related Occupations

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24 College and Other Vocational Instructors

4131 College and Other Vocational Instructors

25 Secondary and Elementary School Teachers/Counselors

4141 Secondary School Teachers
4142 Elementary School and Kindergarten Teachers

26 Early Childhood Educators and Other Instructors

4214 Early Childhood Educators and Assistants

27 Social Service Workers/Counselors

4152 Social Workers
4212 Community and Social Service Workers

28 Graphic Designers and Illustrators

5241 Graphic Designers and Illustrators

29 Program Leaders and Instructors in Recreation, Sport and Fitness

5254 Program Leaders and Instructors in Recreation, Sport and Fitness

30 Supervisors

6211 Retail Trade Supervisors
6212 Food Service Supervisors

31 Real Estate and Insurance Agents

6231 Insurance Agents and Brokers
6232 Real Estate Agents and Sales Persons

32 Chefs, Cooks & Bakers

6241 Chefs
6242 Cooks
6252 Bakers

33 Butchers, Meat Cutters and Fishmongers

6251 Butchers, Meat Cutters and Fishmongers

34 Police Enforcement

6261 Police Officers

35 Hairstylists

6271 Hairstylists and Barbers

36 Electricians

7241 Electricians (except industrial and power system)
7242 Industrial Electricians

37 Machinists and Tooling Inspectors

7231 Machinists and Tooling Inspectors
7232 Tool and Die Makers

38 Plumbers

7251 Plumbers
7252 Steamfitters, Pipefitters, and Sprinkler System Installers

39 Welders

7265 Welders and Related Machine Operators

40 Carpenters

7271 Carpenters
7272 Cabinetmakers

41 Millwrights

7311 Construction Millwrights and Industrial Mechanics (except textiles)

42 Mechanics

7312 Heavy Duty Equipment Mechanics
7321 Automotive Service Technicians, Truck and Bus Mechanics and Mechanical Repairers

43 Motor Vehicle Body Repairers

7322 Motor Vehicle Body Repairers

44 Stationary Engineers

7351 Stationary Engineers

45 Farmers and Farm Managers

8251 Farmers and Farm Managers

46 Supervisors, Petroleum, Gas, and Chemical Processing and Utilities

9212 Supervisors, Petroleum, Gas, and Chemical Processing and Utilities

47 Supervisors, Plastic and Rubber Products Manufacturing

9214 Supervisors, Plastic and Rubber Products Manufacturing

48 Supervisors, Other Products Manufacturing and Assembly

9227 Supervisors, Other Products Manufacturing and Assembly

*Financial Officer ranks in the
Top 10 most Projected Full-
time Positions*

4 OCCUPATIONS

4.1 Financial Officer

1111 Financial Auditors and Accountants

1112 Financial and Investment Analysts

1114 Other Financial Officers

1111 Financial Auditors and Accountants

Financial auditors examine and analyze the accounting and financial records of individuals and establishments to ensure accuracy and compliance with established accounting standards and procedures. Accountants plan, organize and administer accounting systems for individuals and establishments. Articling students in accounting firms are included in this unit group. Financial auditors and accountants are employed by auditing and accounting firms throughout the private and public sectors, or they may be self-employed.

Example titles

- accountant
- certified general accountant (CGA)
- certified management accountant (CMA)
- chartered accountant (CA)
- chief accountant
- financial auditor
- income tax expert
- industrial accountant
- internal auditor

1112 Financial and Investment Analysts

Financial and investment analysts collect and analyze financial information such as economic forecasts, trading volumes and the movement of capital, financial backgrounds of companies, historical performances and future trends of stocks, bonds and other investment instruments to provide financial and investment or financing advice for their company or their company's clients. Their studies and evaluations cover areas such as takeover bids, private placements, mergers or acquisitions. Financial analysts are employed by a wide range of establishments throughout the private and public sector, such

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as banks, brokerage houses, insurance companies, investment companies, manufacturing firms, trust companies, utility companies and underwriting firms. Investment analysts are employed primarily by brokerage houses and trust companies.

Example titles

- chartered financial analyst
- financial analyst
- investment analyst
- money market analyst
- portfolio manager
- research associate, financial services

1114 Other Financial Officers

This unit group includes professional occupations in finance not elsewhere classified such as financial planners, financial examiners and inspectors, financial investigators, financial underwriters, mortgage brokers and trust officers. They are employed by banks, trust companies, investment firms and governments, or they may be self-employed.

Example Titles

- credit union examiner
- estate and trust administrator
- financial investigator
- financial planner
- financial underwriter
- inspector, financial institutions
- mortgage broker
- trust officer

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
1111 Financial Auditors and Accountants	170	1.4%	17	3
1112 Financial and Investment Analysts	50	0.4%		
1114 Other Financial Officers	80	0.7%		

projection

110 employers responded to the survey reporting a total of 200 employed Financial Officers. (190 full-time and 10 part-time). This represents 66.6% of the employed labour force reported for financial officers in the 2006 Census data. Together, these employers reported needing to hire 11 full-time and 2 part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **20 positions (17 full-time and 3 part-time)** available for financial officers in the next 18 months.

4.2 Professional Business Officers/Consultants

1122 Professional Occupations in Business Services to Management

1122 Professional Occupations in Business Services to Management

This unit group includes those who provide services to management such as analyzing the operations, managerial methods or functions of an organization in order to propose plan and implement improvements, or analyzing advertising needs and developing appropriate advertising plans. They are employed by management consulting firms, advertising agencies and throughout the public and private sectors or are self-employed.

Example Titles

- advertising account executive
- business management consultant
- business methods analyst
- consultant, organizational analysis
- ISO consultant
- management analyst
- organizational analyst
- promotion specialist
- records management specialist
- researcher, organization and methods
- senior consultant, operations management

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Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
1122 Professional Occupations in Business Services to Management	80	0.7%	9	1

projection

64 employers responded to the survey reporting a total of 72 employed Professional Business Officers/Consultants. (68 full-time and 4 part-time). This represents 90% of the employed labour force for Professional Business Officers/Consultants reported in the 2006 Census data. Together, these employers reported needing to hire 8 full-time positions and 1 part-time position within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **10 jobs** available (**9 full-time** and **1 part-time**) for Professional Business Officers/Consultant Occupations available in the next 18 months.



4.3 Supervisors, Recording, Distributing and Scheduling

1215 Supervisors, Recording, Distributing and Scheduling

1215 Supervisors, Recording, Distributing and Scheduling

Supervisors in this unit group supervise and co-ordinate the activities of workers in the following unit groups: Shippers and Receivers (1521), Storekeepers and Parts persons (1522), Production Logistics Co-coordinators (1523), Purchasing and Inventory Control Workers (1524), Dispatchers (1525) and Transportation Route and Crew Schedulers (1526). They are employed throughout the private and public sectors.

Example Titles

- dispatch logistician
- flight crew scheduling supervisor
- freight forwarding logistician
- head dispatcher
- head shipper
- inventory control supervisor
- logistics supervisor – transportation
- parts service supervisor
- production clerks supervisor
- ramp services supervisor – airport
- supervisor, receiving
- supply control coordinator

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Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
1215 Supervisors, Recording, Distributing and Scheduling Operations	50	0.4%	2	2

projection

26 employers responded to the survey reporting a total of 90 employed Supervisors, Recording, Distributing and Scheduling Operations (88 full-time and 2 part-time). This represents 180% of the employed labour force for this grouping reported in the 2006 Census data. This indicates that employment has grown in these occupations. Together, these employers reported needing to hire 2 full-time positions and 2 part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **4 jobs** in this grouping (**2 full-time and 2 part-time**) available in the next 18 months.



*Administrative Roles ranks
in the Top 10 most Projected
Full-time Positions*

4.4 Administrative Roles

1221 Administrative Officers

1231 Book Keepers

1241 Secretaries (except legal and medical)

1221 Administrative Officers

Administrative officers oversee and implement administrative procedures, establish work priorities and coordinate the acquisition of administrative services such as office space, supplies and security services. They are employed throughout the private and public sectors.

Example titles

- access to information and privacy officer
- administrative officer
- administrative services coordinator
- coordinator, office services
- forms management officer
- liaison officer
- office administrator
- office manager
- planning officer
- records analyst – access to information
- requirements officer – military
- surplus assets officer
- university admissions officer

1231 Bookkeepers

Bookkeepers maintain complete sets of books, keep records of accounts, verify the procedures used for recording financial transactions, and provide personal bookkeeping services. They are employed throughout the private and public sectors, or they may be self-employed.

Example titles

- accounting bookkeeper
- bookkeeper

1241 Secretaries (except Legal and Medical)

Secretaries perform a variety of administrative duties in support of managerial and professional employers. They are employed throughout the private and public sectors.

Example titles

- executive secretary (except legal and medical)
- private Secretary
- secretary (except legal and medical)
- technical secretary

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
1221 Administrative Officers	390	3.3%	20	3
1231 Bookkeepers	260	2.2%		
1241 Secretaries (except legal and medical)	330	2.8%		

projection

445 employers responded to the survey reporting a total of 738 employed Administrative Roles (658 full-time and 80 part-time). This represents 75.3% of the employed labour force for Administrative Roles reported in the 2006 Census data. Together, these employers reported needing to hire 15 full-time positions and 2 part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **23 jobs** available in Administrative Role Occupations (**20 full-time** and **3 part-time**) available in the next 18 months.

4.5 Purchasing Agents and Officers

1225 Purchasing Agents and Officers

1225 Purchasing Agents and Officers

Purchasing agents and officers purchase general and specialized equipment, materials, land or access rights and business services for use or for further processing by their establishment. They are employed throughout the public and private sectors.

Example Titles

- contract management officer
- contracts officer
- energy asset surface land analyst
- material management officer
- procurement officer
- purchaser, furniture and furnishings
- purchasing agent
- supply officer, government

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
1225 Purchasing Agents and Officers	75	0.6%	Stable	Stable

projection

56 employers responded to the survey reporting a total of 84 employed Purchasing Agents and Officers (80 full-time and 4 part-time). This represents 113.5% of the employed labour force for Purchasing Agents and Officers reported in the 2006 Census data. This indicates an increase in employment. Together, these employers reported needing no additional full-time positions and/or part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be no additional demand for Purchasing Agents and Officers available in the next 18 months.

4.6 Legal Secretaries (legal administrative assistants)

1242 Legal Secretaries

1242 Legal Secretaries

Legal secretaries (legal administrative assistants) perform a variety of secretarial and administrative duties in law offices, legal departments of large firms, real estate companies, land title offices, municipal, provincial and federal courts and government.

Example Titles

- administrative assistant – legal
- corporate law legal assistant
- legal assistant
- legal assistant – criminal law
- legal secretary
- litigation legal assistant
- litigation secretary
- real estate secretary

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
1242 Legal Secretaries	50	0.4%	5	1

projection

25 employers responded to the survey reporting a total of 46 employed Legal Secretaries (32 full-time and 14 part-time). This represents 92% of the employed labour force for Legal Secretaries reported in the 2006 Census data. Together, these employers reported needing to hire 5 full-time positions and 1 part-time position within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **6 jobs** for Legal Secretaries (**5 full-time** and **1 part-time**) available in the next 18 months.

4.7 Medical Secretaries

1243 Medical Secretaries

1243 Medical Secretaries

Medical secretaries perform a variety of secretarial and administrative duties in doctor's offices, hospitals, medical clinics and other medical settings.

Example titles

- medical secretary ward secretary

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 00311775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
1243 Medical Secretaries	75	0.6%	Stable	Stable

projection

25 employers responded to the survey reporting a total of 32 employed Medical Secretaries (32 full-time and 0 part-time). This represents 42.7% of the employed labour force for Medical Secretaries reported in the 2006 Census data. Together, these employers reported needing no additional full-time positions and/or part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be no additional demand for Medical Secretaries available in the next 18 months.

4.8 Civil Engineers, Technologists, and Technicians

2131 Civil Engineers

2231 Civil Engineering Technologists and Technicians

2131 Civil Engineers

Civil engineers plan, design, develop and manage projects for the construction or repair of buildings, earth structures, powerhouses, roads, airports, railways, rapid transit facilities, bridges, tunnels, canals, dams, ports and coastal installations and systems related to highway and transportation services, water distribution and sanitation. Civil engineers may also specialize in foundation analysis, building and structural inspection, surveying, geometrics and municipal planning. Civil engineers are employed by engineering consulting companies, in all levels of government, by construction firms and in many other industries, or they may be self-employed.

Example titles

- bridge engineer
- civil engineer
- construction engineer
- environmental engineer
- geodetic engineer
- geometrics engineer
- highway engineer
- hydraulics engineer
- municipal engineer
- project engineer, construction
- public works engineer
- sanitation engineer
- structural engineer
- surveying engineer
- traffic engineer
- transportation engineer
- water management engineer

2231 Civil Engineering Technologists and Technicians

Civil engineering technologists and technicians provide technical support and services to scientists, engineers and other professionals, or may work independently in fields such as structural engineering, municipal engineering, construction design and supervision, highways and transportation engineering, water resources engineering, geotechnical engineering and environmental protection. They are employed by consulting engineering and construction companies, public works, transportation and other government departments and in many other industries.

Example Titles

- bridge design technician
- building materials technician
- civil engineering technician
- civil engineering technologist
- construction technologist
- foundation technologist
- highway technician
- municipal engineering
- assistant
- soil technologist – civil engineering
- specifications writer, construction
- structural design technologist
- structural investigator

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Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
2131 Civil Engineers	40	0.3%	1	Stable
2231 Civil Engineering Technologists and Technicians	15	0.1%		

projection

64 employers responded to the survey reporting a total of 51 employed Civil Engineers, Technologists and Technicians (49 full-time and 2 part-time). This represents 92.7% of the employed labour force for this grouping reported in the 2006 Census data. Together, these employers reported needing to hire 1 full-time position and no additional part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **1 job** in Civil Engineers, Technologists and Technicians available in the next 18 months.



4.9 Mechanical Engineers, Technologists, and Technicians

2132 Mechanical Engineers

2232 Mechanical Engineering Technologists and Technicians

2132 Mechanical Engineers

Mechanical engineers research, design and develop machinery and systems for heating, ventilating and air conditioning, power generation, transportation, processing and manufacturing. They also perform duties related to the evaluation, installation, operation and maintenance of mechanical systems. Mechanical engineers are employed by consulting firms, by power-generating utilities and in a wide range of manufacturing; processing and transportation industries or they may be self-employed.

Example titles

- acoustics engineer
- automotive engineer
- design engineer – mechanical
- energy conservation engineer
- engineer, power generation
- fluid mechanics engineer
- heating, ventilation and air conditioning (HVAC) engineer
- mechanical engineer
- mechanical maintenance engineer
- nuclear engineer
- piping engineer
- refrigeration engineer
- robotics engineer
- thermal design engineer
- tool engineer

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2232 Mechanical Engineering Technologists and Technicians

Mechanical engineering technologists and technicians provide technical support and services or may work independently in mechanical engineering fields such as the design, development, maintenance and testing of machines, components, tools, heating and ventilating systems, power generation and power conversion plants, manufacturing plants and equipment. They are employed by consulting engineering, manufacturing and processing companies, institutions and government departments.

Example Titles

- HVAC (heating, ventilation and air conditioning) technologist
- aeronautical technologist
- heating designer
- machine designer
- marine engineering technologist
- mechanical engineering technician
- mechanical engineering technologist
- mechanical technologist
- mould designer
- thermal station technician
- tool and die designer
- tool designer

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
2132 Mechanical Engineers	60	0.5%	2	2
2232 Mechanical Engineering Technologists and Technicians	40	0.3%		

projection

64 employers responded to the survey reporting a total of 46 employed Mechanical Engineers, Technologists and Technicians (42 full-time and 4 part-time). This represents 46% of the employed labour force for this grouping reported in the 2006 Census data. Together, these employers reported needing to hire 1 full-time position and 1 part-time position within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **4 jobs** in Mechanical Engineers, Technologists and Technicians (**2 full-time** and **2 part-time**) available in the next 18 months.

4.10 Electrical and Electronics Engineers, Technologists, and Technicians

2133 Electrical and Electronics Engineers

2241 Electrical and Electronics Engineering Technologists and Technicians

2133 Electrical and Electronics Engineers

Electrical and electronics engineers design, plan, research, evaluate and test electrical and electronic equipment and systems. They are employed by electrical utilities, communications companies, manufacturers of electrical and electronic equipment, consulting firms, and by a wide range of manufacturing, processing and transportation industries and government.

Example Titles

- avionics engineer
- control systems engineer
- design engineer, electrical
- distribution planning engineer, electrical
- electrical engineer
- electrical network engineer
- electronics engineer
- instrumentation and control
- engineer
- planning engineer, electrical systems
- process control engineer, electrical
- roadway lighting design engineer
- television systems engineer
- test engineer, electronics

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2241 Electrical and Electronics Engineering Technologists and Technicians

Electrical and electronics engineering technologists and technicians may work independently or provide technical support and services in the design, development, testing, production and operation of electrical and electronic equipment and systems. They are employed by electrical utilities, communications companies, manufacturers of electrical and electronic equipment, consulting firms, and in governments and a wide range of manufacturing, processing and transportation industries.

Example titles

- communications technologist
- electrical engineering technician
- electrical engineering technologist
- electricity distribution network technologist
- electronics design technologist
- electronics engineering technician
- electronics engineering technologist
- electronics manufacturing technician
- electronics manufacturing technologist
- lighting technologist
- metering technologist
- microwave maintenance technician
- production support technician – electronics manufacturing

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
2133 Electrical Engineers	10	0.1%	Stable	Stable
2241 Electrical Engineering Technologists and Technicians	15	0.1%		

projection

18 employers responded to the survey reporting a total of 22 employed Electrical Engineers, Technologists and Technicians (19 full-time and 3 part-time). This represents 88% of the employed labour force for this grouping reported in the 2006 Census data. Together, these employers reported needing no additional full-time positions and/or part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be no additional jobs for Electrical Engineers, Technologists and Technicians available in the next 18 months.

4.11 Industrial and Manufacturing Engineers, Technologists, and Technicians

2141 Industrial and Manufacturing Engineers

2233 Industrial and Manufacturing Engineering Technologists and Technicians

2141 Industrial and Manufacturing Engineers

Industrial and manufacturing engineers conduct studies, and develop and supervise programs to achieve the best use of equipment, human resources, technology, materials and procedures to enhance efficiency and productivity. Industrial and manufacturing engineers are employed in consulting firms, manufacturing and processing companies, in government, financial, health care and other institutions, or they may be self-employed.

Example Titles

- engineer, computer integrated manufacturing (CIM)
- fire prevention engineer
- industrial engineer
- manufacturing engineer
- plant engineer
- production engineer
- quality control engineer
- safety engineer
- work measurement engineer

2233 Industrial Engineering and Manufacturing Technologists and Technicians

- 1 Industrial engineering and manufacturing technologists and technicians
- 2 may work independently or provide technical support and services in
- 3 the development of production methods, facilities and systems, and the
- 4 planning, estimating, measuring and scheduling of work. They are employed
- 5 by manufacturing and insurance companies, government departments, and establishments in other industries.

Example titles

- CAD/CAM programmer
- industrial engineering technician
- industrial engineering technologist
- loss prevention technologist
- manufacturing technician
- manufacturing technologist
- planning technician
- plastics manufacturing technician
- pulp and paper manufacturing technologist
- quality assurance technologist
- scheduling technician – manufacturing
- textile technologist
- time study analyst

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
2141 Industrial and Manufacturing Engineers	60	0.5%	3	2
2233 Industrial and Manufacturing Engineering Technologists and Technicians	50	0.4%		

projection

54 employers responded to the survey reporting a total of 101 employed Industrial Engineers, Technologists and Technicians (99 full-time and 2 part-time). This represents 91.8% of the employed labour force for this grouping reported in the 2006 Census data. Together, these employers reported needing to hire 3 full-time positions and 2 part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **5 jobs** for Industrial Engineers, Technologists and Technicians (**3 full-time** and **2 part-time**) available in the next 18 months.

4.12 Metallurgical and Materials Engineers, Technologists, and Technicians

2142 Metallurgical and Materials Engineers

2142 Metallurgical and Materials Engineers

Metallurgical and materials engineers conduct studies of the properties and characteristics of metals and other non-metallic materials and plan, design and develop machinery and processes to concentrate, extract, refine and process metals, alloys and other materials such as ceramics, semiconductors and composite materials. Metallurgical and materials engineers are employed in consulting engineering firms, mining, metal processing and manufacturing companies, and in government, research and educational institutions.

Example Titles

- ceramics engineer
- corrosion engineer
- electrometallurgical engineer
- foundry engineer
- hydrometallurgical engineer
- materials engineer
- metallurgical engineer
- physical metallurgical engineer
- pyro metallurgical engineer
- welding engineer

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
2142 Metallurgical and Materials Engineers	10	0.1%	Stable	Stable

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projection

8 employers responded to the survey reporting a total of 10 employed Metallurgical and Materials Engineers (10 full-time and 0 part-time). This represents 100% of the employed labour force for Engineers reported in the 2006 Census data. Together, these employers reported needing no additional full-time positions and/or part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be no additional jobs for Metallurgical and Materials Engineers available in the next 18 months.



4.13 IT and Computer Related Occupations

2171 Information Systems Analysts and Consultants

2174 Computer Programmers and Interactive Media Developers

2282 User Support Technicians

2171 Information Systems Analysts and Consultants

Information systems analysts and consultants conduct research, develop and implement information systems development plans, policies and procedures, and provide advice on a wide range of information systems issues. They are employed in information technology consulting firms and in information technology units throughout the private and public sectors, or they may be self-employed.

Example titles

- computer consultant
- computer systems analyst
- informatics consultant
- informatics security analyst
- information systems business analyst
- information systems quality assurance analyst
- it (information technology) consultant
- management information systems (mis) analyst
- systems auditor
- systems consultant
- systems security analyst

2174 Computer Programmers and Interactive Media Developers

Computer programmers write, modify, integrate and test computer code for microcomputer and mainframe software applications, data processing applications, operating systems-level software and communications software. Interactive media developers write, modify, integrate and test computer code for Internet applications, computer-based training software, computer games, film, video and other interactive media. They are employed in computer software development firms, information technology consulting firms, and in information technology units throughout the private and public sectors.

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Example titles

- application programmer
- business application programmer
- computer game developer
- computer programmer
- e-business (electronic business) software developer
- interactive media developer
- multimedia developer
- operating systems programmer
- programmer analyst
- scientific programmer
- software developer
- systems programmer
- web programmer

2282 User Support Technicians

Technicians in this group provide first-line technical support to computer users experiencing difficulties with computer hardware and with computer applications and communications software. They are employed by computer hardware manufacturers and retailers, software developers, in call centres and in information technology units throughout the private and public sectors. Technicians in this group are also employed by independent technical support companies or they may be self-employed.

Example titles

- call centre agent – technical support
- client support representative – systems
- computer helps desk representative – systems
- computer help desk supervisor
- hardware installation technician
- hardware technical support analyst
- help desk technician
- software installation technician
- software technical support analyst
- systems support representative
- technical support analyst – systems
- technical support supervisor
- user support technician

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Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
2171 Information Systems Analysts and Consultants	60	0.5%	10	7
2174 Computer Programmers and Interactive Media Developers	55	0.5%		
2282 User Support Technicians	90	0.8%		

projection

85 employers responded to the survey reporting a total of 222 employed IT and Computer Related Occupations (195 full-time and 27 part-time). This represents 108.3% of the employed labour force for IT and Computer Related Occupations reported in the 2006 Census data. This indicates an increase in employment in this grouping. Together, these employers reported needing to hire 10 full-time positions and 7 part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **17 jobs** for IT and Computer Related Occupations (**10 full-time** and **7 part-time**) available in the next 18 months.

4.14 Chemical Technologists and Technicians

2211 Chemical Technologists and Technicians

2211 Chemical Technologists and Technicians

Chemical technologists and technicians provide technical support and services or may work independently in chemical engineering, chemical and biochemical research and analysis, industrial chemistry, chemical quality control and environmental protection. They are employed by research and development and quality control laboratories, consulting engineering companies, in chemical, petrochemical, pharmaceutical and a variety of other manufacturing and processing industries, and by utilities, health, educational and government establishments.

Example Titles

- analytical technician, chemical
- biochemistry technologist
- chemical analyst
- chemical engineering technician
- chemical engineering technologist
- chemical laboratory analyst
- chemical research technician
- chemical technician
- chemical technologist
- food technologist
- formulation technician
- geochemical technician
- industrial hygiene technologist
- mass spectrometer technician
- master dyer – textiles
- paint technician
- pilot plant technician
- quality control technician – chemical processing
- quality control technician – food processing

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
2211 Chemical Technologists and Technicians	130	1.1%	3	Stable

projection

52 employers responded to the survey reporting a total of 50 employed Chemical Technologists and Technicians (49 full-time and 1 part-time). This represents 38.5% of the employed labour force for Chemical Technologists and Technicians reported in the 2006 Census data. Together, these employers reported needing to hire 3 full-time position and no additional part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **3 jobs** for Chemical Technologists and Technicians (**3 full-time**) available in the next 18 months.

4.15 Inspectors in Public Environmental Health and Occupational Health and Safety

2263 Inspectors in Public Environmental Health and Occupational Health and Safety

2263 Inspectors in Public Environmental Health and Occupational Health and Safety

Inspectors in this unit group evaluate and monitor health and safety hazards and develop strategies to control risks in the workplace. They inspect restaurants, public facilities, industrial establishments, municipal water systems and other workplaces to ensure compliance with government regulations regarding sanitation, pollution control, the handling and storage of hazardous substances and workplace safety. They are employed throughout the private and public sectors.

Example Titles

- environmental health officer
- hazardous waste inspector
- health and safety officer
- health standards inspector
- occupational health and safety officer
- pollution control inspector
- public health inspector
- restaurant inspector
- rodent control inspector
- supervisor, public health inspector's
- water inspector

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
2263 Inspectors in Public Environmental Health and Occupational Health and Safety	30	0.3%	1	Stable

projection

17 employers responded to the survey reporting a total of 22 employed Inspectors in Public Environmental Health and Occupational Health and Safety (22 full-time and no additional part-time). This represents 73.3% of the employed labour force for this occupation reported in the 2006 Census data. Together, these employers reported needing to hire 1 full-time position and no additional part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **1 job** for Inspectors in Public Environmental Health and Occupational Health and Safety (**1 full-time**) available in the next 18 months.

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4.16 Pharmacists

3131 Pharmacists

3131 Pharmacists

Community pharmacists and hospital pharmacists compound and dispense prescribed pharmaceuticals and provide consultative services to both clients and health care providers. They are employed in retail and hospital pharmacies, or they may be self-employed. Industrial pharmacists participate in the research, development, promotion and manufacture of pharmaceutical products. They are employed in pharmaceutical companies and government departments and agencies.

Example Titles

- clinical pharmacist
- community pharmacist
- hospital pharmacist
- industrial pharmacist
- pharmacist
- retail pharmacist

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
3131 Pharmacists	50	0.4%	4	1

projection

11 employers responded to the survey reporting a total of 39 employed Pharmacists (25 full-time and 14 part-time). This represents 78% of the employed labour force for Pharmacists reported in the 2006 Census data. Together, these employers reported needing to hire 3 full-time positions and 1 part-time position within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **5 jobs** for Pharmacists (**4 full-time jobs** and **1 part-time job**) available in the next 18 months.

4.17 Occupational Therapists

3143 Occupational Therapists

3142 Occupational Therapists

Occupational therapists develop individual and group programs with people affected by illness, injury, developmental disorders, emotional or psychological problems and ageing to maintain, restore or increase their ability to care for themselves and to engage in work, school or leisure. They also develop and implement health promotion programs with individuals, community groups and employers. They are employed in health care facilities, in schools, and by private and social services agencies, or they may be self-employed.

Example Titles

- clinical occupational therapist
- community occupational therapist
- occupational therapist (OT)
- occupational therapist, case manager
- occupational therapist, research and development
- occupational therapy rehabilitation consultant

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
3143 Occupational Therapists	15	0.1%	Stable	2

projection

16 employers responded to the survey reporting a total of 8 employed Occupational Therapists (7 full-time and 1 part-time). This represents 53.3% of the employed labour force for Occupational Therapists reported in the 2006 Census data. Together, these employers reported needing to hire no additional full-time positions and 1 part-time position within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **2 jobs** for Occupational Therapists (no additional full-time and **2 part-time**) available in the next 18 months.



*Registered Nurses ranks in
the Top 10 most Projected
Full-time Positions*

4.18 Registered Nurses

3152 Registered Nurses

3152 Registered Nurses

This unit group includes registered nurses, nurse practitioners, registered psychiatric nurses and graduates of a nursing program who are awaiting registration (graduate nurses). They provide direct nursing care to patients, deliver health education programs and provide consultative services regarding issues relevant to the practice of nursing. They are employed in a variety of settings including hospitals, nursing homes, extended care facilities, rehabilitation centres, doctors' offices, clinics; community agencies, companies and private homes, or they may be self-employed.

Example titles

- clinical nurse
- community health nurse
- critical care nurse
- graduate nurse
- intensive care nurse
- nurse researcher
- nursing consultant
- nursing researcher
- occupational health nurse
- private duty nurse
- registered nurse (R.N.)
- registered psychiatric nurse (R.P.N.)

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
3152 Registered Nurses	480	4.1%	28	17

projection

78 employers responded to the survey reporting a total of 375 employed Registered Nurses (256 full-time and 119 part-time). This represents 78.1% of the employed labour force for Registered Nurses reported in the 2006 Census data. Together, these employers reported needing to hire 22 full-time positions and 13 part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **45 jobs** for Registered Nurses (**28 full-time** and **17 part-time**) available in the next 18 months.



4.19 Medical Laboratory Technicians

3212 Medical Laboratory Technicians

3212 Medical Laboratory Technicians

Medical laboratory technicians conduct routine medical laboratory tests and set up, clean and maintain medical laboratory equipment. They are employed in medical laboratories in hospitals, clinics, research institutes and universities and in government research laboratories.

Example titles

- Medical laboratory aide
- Medical laboratory assistant
- Medical laboratory technician
- Phlebotomist
- Phlebotomy aide

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
3212 Medical Laboratory Technicians	15	0.1%	Stable	Stable

projection

20 employers responded to the survey reporting a total of 30 employed Medical Laboratory Technicians (25 full-time and 5 part-time). This represents 200% of the employed labour force for this occupation reported in the 2006 Census data. This indicates an increase of employment. Together, these employers reported needing no additional full-time positions and/or part-time positions within the next 18 months relating this projection to the total employed labour force, it is estimated that there will be no additional jobs for Medical Laboratory Technicians available in the next 18 months.

*Licensed Practical Nurses
ranks in the Top 10 most
Projected Full-time Positions*

4.20 Licensed Practical Nurses

3233 Licensed Practical Nurses

3233 Licensed Practical Nurses

Licensed practical nurses provide nursing care usually under the direction of medical practitioners, registered nurses or other health team members. They are employed in hospitals, nursing homes, extended care facilities, rehabilitation centres, doctors' offices, clinics, companies, private homes and community health centres. Operating room technicians are included in this unit group.

Example titles

- Certified nursing assistant (CNA)
- Licensed nursing assistant
- Licensed practical nurse (LPN)
- Operating room technician
- Registered nursing assistant (RNA)
- Registered practical nurse (RPN)

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
3233 Licensed Practical Nurses	120	1.0%	14	15

projection

31 employers responded to the survey reporting a total of 208 employed Licensed Practical Nurses (157 full-time and 51 part-time). This represents 173.3% of the employed labour force for Licensed Practical Nurses reported in the 2006 Census data. This indicates an increase in employment. Together, these employers reported needing to hire 14 full-time positions and 15 part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **29 jobs** for Licensed Practical Nurses (**14 full-time** and **15 part-time**) available in the next 18 months.

4.21 Ambulance Attendants and Other Paramedical Occupations

3234 Ambulance Attendants and Other Paramedical Occupations

3234 Ambulance Attendants and Other Paramedical Occupations

This unit group includes workers who administer pre-hospital emergency medical care to patients with injuries or medical illnesses and transport them to hospitals or other medical facilities for further medical care. They are employed by private ambulance services, hospitals, fire departments, government departments and agencies, manufacturing firms, mining companies and other private sector establishments. Paramedics who are supervisors are included in this unit group.

Example Titles

- advanced care paramedic technician, paramedic
- ambulance attendant • emergency medical
- critical care paramedic technologist – paramedic (EMT-P)
- emergency medical attendant (EMA) • paramedic
- emergency medical technician (EMT) • primary care paramedic
- emergency medical supervisor, ambulance services

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Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
3234 Ambulatory Attendants and Other Paramedical Occupations	60	0.5%	3	2

projection

21 employers responded to the survey reporting a total of 97 employed Ambulatory Attendants and other Paramedical Occupations (49 full-time and 48 part-time). This represents 161.7% of the employed labour force for this occupation reported in the 2006 Census data. This indicates an increase in employment. Together, these employers reported needing to hire 3 full-time positions and 2 part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **5 jobs** for Ambulatory Attendants and other Paramedical Occupations (**3 full-time** and **2 part-time**) available in the next 18 months.



4.22 Lawyers

4112 Lawyers

4112 Lawyers and Quebec Notaries

Lawyers and Quebec notaries advise clients on legal matters represent clients before administration boards and draw up legal documents such as contracts and wills. Lawyers also plead cases, represent clients before tribunals and conduct prosecutions in courts of law. Lawyers are employed in law firms and prosecutor’s offices. Quebec notaries are employed in notary offices. Both lawyers and Quebec notaries are employed by federal, provincial and municipal governments and various business establishments or they may be self-employed. Articling students are included in this group.

Example titles

- attorney
- barrister
- corporate counsel
- crown attorney
- crown prosecutor
- general counsel
- law partner
- lawyer
- legal advisor
- notary (quebec)
- solicitor

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
4112 Lawyers	125	1.1%	4	Stable

projection

25 employers responded to the survey reporting a total of 59 employed Lawyers (57 full-time and 2 part-time). This represents 47.2% of the employed labour force for Lawyers reported in the 2006 Census data. Together, these employers reported needing to hire 2 full-time positions and no additional part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **4 jobs** for Lawyers (**4 full-time**) available in the next 18 months.



4.23 Legal Positions

4155 Probation and Parole Officers and Related Occupations

4211 Paralegal and Related Occupations

4155 Probation and Parole Officers and Related Occupations

Probation officers monitor the conduct and behaviours of criminal offenders serving probation terms. Parole officers monitor the reintegration of criminal offenders serving the remainder of sentences while conditionally released into the community on parole. Classification officers assess inmates and develop rehabilitation programs for criminal offenders who are incarcerated in correctional facilities. They are employed by federal and provincial governments and work in the community and in correctional facilities.

Example titles

- case manager – corrections
- classification officer, correctional institution
- parole officer
- probation officer
- youth worker – corrections

4211 Paralegal and Related Occupations

Legal assistants and paralegals prepare legal documents, maintain records and files and conduct research to assist lawyers or other professionals. Notaries public administer oaths, take affidavits, sign legal documents and perform other activities according to the limitations of their appointment. Trademark agents advise clients on intellectual property matters. Independent paralegals provide legal services to the public as allowed by government legislation, or provide paralegal services on contract to law firms or other establishments. Legal assistants and paralegals are employed by law firms, by record search companies and in legal departments throughout the public and private sectors. Independent paralegals are usually self-employed. Trademark agents are employed by law firms and legal departments throughout the public and private sectors, trademark development and search firms or they may be self-employed. Notaries public are employed by government and in the public and private sectors or they may be self-employed.

Example titles

- commercial law clerk
- corporate paralegal
- family law paralegal
- independent paralegal
- land titles examiner
- law clerk
- legal assistant
- legal researcher
- litigation legal assistant
- notary public
- paralegal
- real estate law clerk
- title searcher
- trademark agent

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
4155 Probation and Parole Officers and Related Occupations	60	0.5%	7	6
4211 Paralegal and Related Occupations	50	0.4%		

projection

44 employers responded to the survey reporting a total of 60 employed Legal Positions (51 full-time and 9 part-time). This represents 54.5% of the employed labour force for Legal Positions reported in the 2006 Census data. Together, these employers reported needing to hire 4 full-time positions and 2 part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **13 jobs** for Legal Positions (**7 full-time** and **6 part-time**) available in the next 18 months.

4.24 College and Other Vocational Instructors

4131 College and Other Vocational Instructors

4131 College and Other Vocational Instructors

This unit group includes instructors who teach applied arts, academic, technical and vocational subjects to students at community colleges, CEGEPs, agricultural colleges, technical and vocational institutes, language schools and other college level schools. This unit group also includes trainers who are employed by private training establishments, companies, community agencies and governments to deliver internal training or development courses. College teachers who are heads of departments are included in this group.

Example titles

- CEGEP teacher
- college teacher
- commercial art instructor
- community college teacher
- company trainer
- computer training instructor
- department chairperson – college
- department head – CEGEP
- firefighting instructor
- language school instructor
- teacher – institute of technology
- teacher, legal assistant program
- training officer – company
- vocational institute teacher

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
4131 College and Other Vocational Instructors	100	0.8%	8	Stable

projection

49 employers responded to the survey reporting a total of 85 employed College and Other Vocational Instructors (79 full-time and 6 part-time). This represents 85% of the employed labour force for this occupation reported in the 2006 Census data. Together, these employers reported needing to hire 7 full-time positions and no additional part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **8 jobs** for College and Other Vocational Instructors (**8 full-time**) available in the next 18 months.



4.25 Secondary and Elementary School Teachers/ Counselors

4141 Secondary School Teachers

4142 Elementary School and Kindergarten Teachers

4141 Secondary School Teachers

Secondary school teachers prepare and teach academic, technical, vocational or specialized subjects at public and private secondary schools. Secondary school teachers who are heads of departments and high school librarians are included in this group.

Example titles

- adult education teacher, secondary school
- biology teacher, high school
- commerce teacher, secondary school
- department head, secondary school
- english as a second language teacher, high school
- english teacher, secondary school
- french as a second language teacher, high school
- high school teacher, special education
- history teacher, secondary school
- librarian, high school
- remedial teacher – secondary school
- secondary school teacher
- supply teacher, high school
- trades instructor – secondary school
- vocational teacher, high school

4142 Elementary School and Kindergarten Teachers

Elementary school and kindergarten teachers teach basic subjects such as reading, writing and arithmetic or specialized subjects such as English or French as a second language at public and private elementary schools. Elementary school librarians are included in this unit group.

Example titles

- elementary school teacher
- elementary school teacher, english as a second language
- elementary school teacher, french as a second language
- french immersion teacher
- kindergarten teacher
- librarian, elementary school
- primary school teacher
- remedial teacher
- special education teacher
- supply teacher – elementary

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
4141 Secondary School Teachers	510	4.3%	6	Stable
4142 Elementary School and Kindergarten Teachers	465	3.9%		

projection

24 employers responded to the survey reporting a total of 461 employed Secondary, Elementary and Kindergarten Teachers (443 full-time and 18 part-time). This represents 47.3% of the employed labour force for Secondary, Elementary and Kindergarten Teachers reported in the 2006 Census data. Together, these employers reported needing 3 full-time and no additional part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **6 jobs** for Secondary, Elementary and Kindergarten Teachers (**6 full-time**) available in the next 18 months.

*Early Childhood
Educators and Assistants
ranks in the Top 10 most
Projected Full-time
Positions*

4.26 Early Childhood Educators and Other Instructors

4214 Early Childhood Educators and Assistants

4214 Early Childhood Educators and Assistants

Early childhood educators plan and organize activities for preschool and school-age children. Early childhood educator assistants provide care and guidance to preschool children under the supervision of early childhood educators. Early childhood educators and assistants lead children in activities to stimulate and develop their intellectual, physical and emotional growth. They are employed in child-care centres, kindergartens, nursery schools, agencies for exceptional children, and other environments where early childhood education services are provided, or they may be self-employed. Early childhood educators who are supervisors are included in this group.

Example titles

- child-care worker assistant
- child-care worker, day care
- day-care helper
- day-care supervisor
- day-care worker
- early childhood assistant
- early childhood education worker
- early childhood educator
- early childhood educator assistant
- early childhood supervisor
- preschool helper
- preschool supervisor
- preschool teacher

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Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
4214 Early Childhood Educators and Assistants	240	2.0%	12	6

projection

63 employers responded to the survey reporting a total of 218 employed Early Childhood Educators and Assistants (201 full-time and 17 part-time). This represents 90.8% of the employed labour force for Early Childhood Educators and Assistants reported in the 2006 Census data. Together, these employers reported needing to hire 11 full-time positions and 5 part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **18 jobs** for Early Childhood Educators (**12 full-time** and **6 part-time**) available in the next 18 months.



*Social Service Workers/
Counselors ranks in the
Top 10 most Projected
Full-time Positions*

4.27 Social Service Workers/Counselors

4152 Social Workers

4212 Community and Social Service Workers

4152 Social Workers

Social workers help individuals, couples, families, groups, communities and organizations develop the skills and resources they need to enhance social functioning and provide counseling, therapy and referral to other supportive social services. Social workers also respond to other social needs and issues such as unemployment, racism and poverty. They are employed by hospitals, school boards, social service agencies; child welfare organizations, correctional facilities, community agencies, employee assistance programs and Aboriginal band councils, or they may work in private practice.

Example titles

- coordinator of social work
- medical social worker
- psychiatric social worker
- social worker
- social work supervisor

4212 Community and Social Service Workers

Community and social service workers administer and implement a variety of social assistance programs and community services, and assist clients to deal with personal and social problems. They are employed by social service and government agencies, mental health agencies, group homes, school boards, correctional facilities and other establishments.

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Example titles

- aboriginal outreach worker
- addictions worker
- behavioral aide
- child and youth worker
- community development worker
- community service worker
- crisis intervention worker
- developmental service worker
- drop-in centre worker
- family service worker
- financial assistance worker
- group home worker
- income maintenance officer – social services
- life skills instructor
- mental health worker
- rehabilitation worker – social services
- social services worker
- veteran services officer
- welfare and compensation officer
- women's shelter supervisor
- youth worker

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
4152 Social Workers	130	1.1%	26	16
4212 Community and Social Service Workers	235	2.0%		

projection

116 employers responded to the survey reporting a total of 250 employed Social Service Workers and Community and Social Service Workers (203 full-time and 47 part-time). This represents 68.5% of the employed labour force for this grouping reported in the 2006 Census data. Together, these employers reported needing to hire 18 full-time positions and 11 part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **42 jobs** for Social Service Workers and Community and Social Service Workers (**26 full-time** and **16 part-time**) available in the next 18 months.

4.28 Graphic Designers and Illustrators

5241 Graphic Designers and Illustrators

5241 Graphic Designers and Illustrators

Graphic designers conceptualize and produce graphic art and visual materials to effectively communicate information for publications, advertising, films, packaging, posters, signs and interactive media such as Web sites and CD-ROMs. They are employed by advertising and graphic design firms, by establishments with advertising or communications departments and by multimedia production companies or they may be self-employed.

Graphic designers who are also supervisors, project managers or consultants are included in this unit group. Illustrators conceptualize and create illustrations to represent information through images. They are almost solely self-employed.

Example titles

- advertising designer
- animator – animated films
- cartoonist
- commercial artiste
- cybergraphic designer
- graphique artiste
- graphic designer
- graphic designer – multimedia
- graphic designer – multimedia, interactive or new media
- illustrator
- layout designer
- medical illustrator
- multimedia illustrator
- scientific illustrator

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
5241 Graphic Designers and Illustrators	80	0.7%	4	1

projection

40 employers responded to the survey reporting a total of 68 employed Graphic Designers and Illustrators (60 full-time and 8 part-time). This represents 85% of the employed labour force for these occupations reported in the 2006 Census data. Together, these employers reported needing to hire 3 full-time positions and 1 part-time position within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **5 jobs** for Graphic Designers and Illustrators (**4 full-time** and **1 part-time**) available in the next 18 months.



4.29 Program Leaders and Instructors in Recreation, Sport and Fitness

5254 Program Leaders and Instructors in Recreation, Sport and Fitness

5254 Program Leaders and Instructors in Recreation, Sport and Fitness

Program leaders and instructors in recreation, sport and fitness lead and instruct groups and individuals in recreational, sports, fitness or athletic programs. They are employed by community centres, sports and fitness clubs, outdoor centres, resorts, recreational facilities, health care facilities, correctional institutions, government departments, private businesses, tourism associations and similar establishments.

Example titles

- aerobics instructor
- camp counselor
- certified personal trainer
- day camp leader
- fitness instructor
- gymnastics teacher
- lifeguard
- personal trainer
- playground worker
- recreation program leader
- riding instructor
- ski instructor
- ski patrol
- swimming instructor – sports

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Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
5254 Program Leaders and Instructors in Recreation, Sport and Fitness	135	1.1%	Stable	56

projection

65 employers responded to the survey reporting a total of 101 employed Program Leaders and Instructors in Recreation, Sport and Fitness (55 full-time and 46 part-time). This represents 74.8% of the employed labour force for Program Leaders and Instructors in Recreation, Sport and Fitness reported in the 2006 Census data. Together, these employers reported needing to hire no additional full-time positions and 42* part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **56 jobs** for Program Leaders and Instructors in Recreation, Sport and Fitness jobs (**56 part-time**) available in the next 18 months. (*NOTE: These were seasonal jobs reported mainly reported by 1 employer)



4.30 Supervisors

6211 Retail Trade Supervisors

6212 Food Service Supervisors

6211 Retail Trade Supervisors

Retail trade supervisors supervise and co-ordinate the activities of workers in the following unit groups: Retail Salespersons and Sales Clerks (6421), Cashiers (6611), Grocery Clerks and Store Shelf Stockers (6622) and Other Elemental Sales Occupations (6623). They are employed by stores and other retail businesses, wholesale businesses that sell on a retail basis to the public, rental service establishments and businesses involved in door-to-door soliciting and telemarketing.

Example titles

- department store supervisor
- head cashier
- liquor store supervisor
- produce department supervisor
- rental service supervisor

6212 Food Service Supervisors

Food service supervisors supervise, direct and co-ordinate the activities of workers who prepare, portion and serve food. They are employed by hospitals and other health care establishments and by cafeterias, catering companies and other food service establishments.

Example titles

- cafeteria supervisor, food services
- canteen supervisor
- catering supervisor
- food service supervisor

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
6211 Retail Trade Supervisors	130	1.1%	6	5
6212 Food Service Supervisors	60	0.5%		

projection

124 employers responded to the survey reporting a total of 291 employed Supervisors in Retail Trade and Food Services (256 full-time and 35 part-time). This represents 153.2% of the employed labour force for this grouping reported in the 2006 Census data. This indicates an increase in employment. Together, these employers reported needing to hire 6 full-time positions and 5 part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **11 jobs** for Supervisors in Retail Trade and Food Services (**6 full-time** and **5 part-time**) available in the next 18 months.

4.31 Real Estate

6231 Insurance Agents and Brokers

6232 Real Estate Agents and Sales Persons

6231 Insurance Agents and Brokers

Insurance agents and brokers sell life, automobile, property, health and other types of insurance to individuals, businesses and public institutions. Insurance agents are employed by individual insurance companies or are independent representatives of specific insurance companies. Insurance brokers are employed by brokerage firms, or may work in partnerships or hold sole proprietorship. Supervisors of insurance agents are included in this unit group.

Example Titles

- insurance agent
- insurance broker
- insurance sales representative
- insurance sales supervisor

6232 Real Estate Agents and Sales Persons

Real estate agents and sales persons act as agents for the sale or purchase of houses, apartments, commercial buildings, land and other real estate and are employed in the real estate industry.

Example titles

- commercial real estate agent
- real estate agent
- real estate broker
- real estate sales representative
- residential real estate agent
- supervisor, real estate agents

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
6231 Insurance Agents and Brokers	120	1.0%	5	1
6232 Real Estate Agents and Sales Persons	125	1.1%		

projection

29 employers responded to the survey reporting a total of 199 employed Insurance and Real Estate Agents (199 full-time and 0 part-time). This represents 81.2% of the employed labour force for this grouping reported in the 2006 Census data. Together, these employers reported needing to hire 4 full-time positions and 1 part-time position within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **6 jobs** for Insurance and Real Estate Agents (**5 full-time** and **1 part-time**) available in the next 18 months.

*Chefs, Cooks & Bakers
ranks in the Top 10
most Projected Full-
time Positions*

4.32 Chefs, Cooks & Bakers

6241 Chefs

6242 Cooks

6252 Bakers

6241 Chefs

This unit group includes various types of chefs who plan and direct food preparation and cooking activities and who prepare and cook meals and specialty foods. They are employed in restaurants, hotels, hospitals and other health care institutions, central food commissaries, clubs and similar establishments, and on ships.

Example titles

- chef
- chef de cuisine
- chef de partie
- corporatif chef
- exécutive chef
- exécutive sous-chef
- head chef
- master chef
- patrie chef
- saucier
- sous-chef
- specialist chef

6242 Cooks

Cooks prepare and cook a wide variety of foods. They are employed in restaurants, hotels, hospitals and other health care institutions, central food commissaries, educational institutions and other establishments. Cooks are also employed aboard ships and at construction and logging campsites. Apprentice cooks are included in this unit group.

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Example titles

- apprentice cook
- cook
- dietary cook
- first cook
- grill cook
- hospital cook
- institutional cook
- journeyman/woman cook
- licensed cook
- line cook
- second cook
- short order cook

6252 Bakers

Bakers prepare bread, rolls, muffins, pies, pastries, cakes and cookies in retail and wholesale bakeries and dining establishments. They are employed in bakeries, supermarkets, catering companies, hotels, restaurants, hospitals, and other institutions, or they may be self-employed. Bakers who are supervisors are included in this unit group.

Example titles

- baker
- baker apprentice
- bakery supervisor
- head baker

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
6241 Chefs	75	0.6%	23	21
6242 Cooks	470	4.0%		
6252 Bakers	85	0.7%		

projection

105 employers responded to the survey reporting a total of 390 employed Chefs, Cooks & Bakers (302 full-time and 88 part-time). This represents 61.9% of the employed labour force for Chefs, Cooks & Bakers reported in the 2006 Census data. Together, these employers reported needing to hire 14 full-time positions and 13 part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **44 jobs** for Chefs, Cooks & Bakers (**23 full-time and 21 part-time**) in the next 18 months.

4.33 Butchers, Meat Cutters and Fishmongers

6251 Butchers, Meat Cutters and Fishmongers

6251 Butchers, Meat Cutters and Fishmongers

Butchers, meat cutters and fishmongers, retail and wholesale, prepare standard cuts of meat, poultry, fish and shellfish for sale in retail or wholesale food establishments. They are employed in supermarkets, grocery stores, butcher shops and fish stores or may be self-employed. Butchers who are supervisors or heads of departments are included in this group.

Example Titles

- butcher apprentice
- butcher, retail
- fishmonger – retail
- head butcher – wholesale
- meat cutter – retail or wholesale
- supermarket meat cutter

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
6251 Butchers, Meat Cutters and Fishmongers	65	0.6%	Stable	1

projection

7 employers responded to the survey reporting a total of 49 employed Butchers, Meat Cutters and Fishmongers (38 full-time and 11 part-time). This represents 75.4% of the employed labour force for these occupations reported in the 2006 Census data. Together, these employers reported needing to hire no additional full-time position and 1 part-time position within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **1 job** for Butchers, Meat Cutters and Fishmongers (**1 part-time**) available in the next 18 months.

4.34 Police Enforcement

6261 Police Officers

6261 Police Officers

Police officers protect the public, detect and prevent crime and perform other activities directed at maintaining law and order. They are employed by municipal and federal governments, some provincial and regional governments and the armed forces. This unit group includes military police and railway police.

Example titles

- community relations officer
- constable
- crime prevention constable
- detective
- harbor police officer
- highway patrol officer
- military police officer
- police cadet
- police diver
- police officer
- police sergeant
- railway police officer
- RCMP officer

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
6261 Police Officers	115	1.0%	11	Stable

projection

19 employers responded to the survey reporting a total of 132 employed Police Officers (132 full-time, 0 part-time) This represents 114.8% of the employed labour force for Police Officers reported in the 2006 Census data. This indicates an increase in employment. Together, these employers reported needing to hire 11 full-time positions and no additional part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **11 jobs** for Police Officers (**11 full-time**) available within the next 18 months.

*Hairstylists ranks
in the Top 10 most
Projected Full-time
Positions*

4.35 Hairstylists

6271 Hairstylists and Barbers

6271 Hairstylists and Barbers

Hairstylists and barbers cut and style hair and perform related services. They are employed in hairstyling or hairdressing salons, barber shops, vocational schools, health care establishments and theatre, film and television establishments.

Example titles

- barber
- barber apprentice
- hair color technician
- hairdresser
- hairdresser apprentice
- hairstylist
- hairstylist apprentice
- wig stylist

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
6271 Hairstylists and Barbers	250	2.1%	13	Stable

projection

34 employers responded to the survey reporting a total of 155 employed Hair Stylists and Barbers (136 full-time and 19 part-time). This represents 62% of the employed labour force for Hair Stylists and Barbers reported in the 2006 Census data. Together, these employers reported needing to hire 8 full-time positions and no additional part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **13 jobs** for Hair Stylist and Barbers (**13 full-time**) available in the next 18 months.

4.36 Electricians

7241 Electricians (Except Industrial and Power System)

7242 Industrial Electricians

7241 Electricians (Except Industrial and Power System)

Electricians in this unit group lie out, assemble, install, test, troubleshoot and repair electrical wiring, fixtures, control devices and related equipment in buildings and other structures. They are employed by electrical contractors and maintenance departments of buildings and other establishments, or they may be self-employed.

Example titles

- apprentice electrician
- construction electrician
- construction electrician apprentice
- domestic and rural electrician
- electrician

7242 Industrial Electricians

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.

Example Titles

- electrician, shipyard
- industrial electrician
- industrial electrician apprentice
- marine electrician
- mill electrician
- mine electrician
- plant electrician
- plant maintenance electrician

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Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
7241 Electricians (except industrial and power system)	20	0.2%	5	2
7242 Industrial Electricians	55	0.5%		

projection

56 employers responded to the survey reporting a total of 72 employed Electricians (70 full-time and 2 part-time). This represents 96% of the employed labour force for Electricians reported in the 2006 Census data. Together, these employers reported needing to hire 5 full-time positions and 2 part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **7 jobs** for Electricians (**5 full-time** and **2 part-time**) available in the next 18 months.

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4.37 Machinists and Tooling Inspectors

7231 Machinists and Tooling Inspectors

7232 Tool and Die Makers

7231 Machinists and Machining and Tooling Inspectors

Machinists set up and operate a variety of machine tools to cut or grind metal, plastic or other materials to make or modify parts or products with precise dimensions. Machining and tooling inspectors inspect machined parts and tooling in order to maintain quality control standards. They are employed by machinery, equipment, motor vehicle, automotive parts, aircraft and other metal products manufacturing companies and by machine shops.

Example titles

- automotive machinist
- aviation machinist
- general machinist
- machined parts inspector
- machine shop inspector
- machining inspector
- machinist
- machinist apprentice
- tooling inspector

7232 Tool and Die Makers

Tool and die makers make, repair and modify custom-made, prototype or special tools, dies, jigs, fixtures and gauges using various metals, alloys and plastics which require precise dimensions. They are employed primarily in manufacturing industries such as automobile, aircraft, metal fabrication, electrical machinery and plastics, and in tool and die, mould making and machine shops. This unit group also includes metal patternmakers and metal mould makers.

Example Titles

- die finisher
- die maker
- jig maker

- metal mound maker
- metal patternmaker
- metal patternmaker apprentice
- mound maker – plastics processing
- mound maker apprentice
- tool and die maker
- tool and die maker apprentice
- toolmaker

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
7231 Machinists and Tooling Inspectors	75	0.6%	2	2
7232 Tool and Die Makers	30	0.3%		

projection

56 employers responded to the survey reporting a total of 17 employed Machinists and Tooling Inspectors and Tool and Die Makers (16 full-time and 1 part-time). This represents 56.6% of the employed labour force for this grouping reported in the 2006 Census data. Together, these employers reported needing to hire 1 full-time position and 1 part-time position within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **4 jobs** for Machinists and Tooling Inspectors and Tool and Die Makers (**2 full-time** and **2 part-time**) available in the next 18 months.

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4.38 Plumbers

7251 Plumbers

7252 Steamfitters, Pipefitters, and Sprinkler Installers

7251 Plumbers

Plumbers install, repair and maintain pipes, fixtures and other plumbing equipment used for water distribution and waste water disposal in residential, commercial and industrial buildings. They are employed in maintenance departments of factories, plants and similar establishments, by plumbing contractors, or they may be self-employed.

Example titles

- maintenance plumber
- plumber
- plumber apprentice
- plumbing mechanic

7252 Steamfitters, Pipefitters, and Sprinkler Installers

Steamfitters and pipefitters lie out, assemble, fabricate, maintain, troubleshoot and repair piping systems carrying water, steam, chemicals and fuel in heating, cooling, lubricating and other process piping systems. Sprinkler system installers fabricate, install, test, maintain and repair water, foam, carbon dioxide and dry chemical sprinkler systems in buildings for fire protection purposes. Steamfitters, pipefitters and sprinkler system installers are employed in maintenance departments of factories, plants and similar establishments, and by pipefitting and sprinkler system contractors, or they may be self-employed.

Example Titles

- apprentice pipefitter-steamfitter
- fire protection mechanic
- fire sprinkler fitter
- marine pipefitter
- pipefitter
- sprinkler system fitter
- sprinkler system installer
- steamfitter
- steamfitter-pipefitter

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
7251 Plumbers	30	0.3%	5	4
7252 Steamfitters, Pipefitters, and Sprinkler Installers	25	0.2%		

projection

47 employers responded to the survey reporting a total of 86 employed full-time Plumbers, Steamfitters and Pipefitters. This represents 156.4% of the employed labour force for these occupations reported in the 2006 Census data. This indicates an increase in employment. Together, these employers reported needing to hire 5 full-time positions and 4 part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **9 jobs** for Plumbers, Steamfitters and Pipefitters (**5 full-time** and **4 part-time**) available in the next 18 months.

4.39 Welders and Related Machine Operators

7265 Welders and Related Machine Operators

7265 Welders and Related Machine Operators

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 plate work, boilers, heavy machinery, aircraft and ships and other metal products, and by welding contractors and welding shops, or they may be self-employed.

Example titles

- aviation welding technician
- brazing machine operator
- brazing machine setter
- electric arc welder
- journeyman/woman welder
- laser welding operator
- pressure vessel welder
- production welder
- soldering machine operator
- spot welder
- welder
- welder apprentice
- welder-fitter

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
7265 Welders and Related Machine Operators	195	1.7%	5	11

projection

103 employers responded to the survey reporting a total of 207 employed Welders (168 full-time and 39 part-time). This represents 106% of the employed labour force for Welders reported in the 2006 Census data. This indicates an increase in employment. Together, these employers reported needing to hire 5 full-time positions and 11 part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **16 jobs** for Welders (**5 full-time** and **11 part-time**) in the next 18 months.

4.40 Carpenters and Cabinetmakers

7271 Carpenters

7272 Cabinetmakers

7271 Carpenters

Carpenters construct, erect, install, maintain and repair structures and components of structures made of wood, wood substitutes, lightweight steel and other materials. They are employed by construction companies, carpentry contractors, and maintenance departments of factories, plants and other establishments, or they may be self-employed.

Example titles

- apprentice carpenter
- carpenter
- finish carpenter
- journeyman/woman carpenter
- maintenance carpenter
- metal framer – carpentry
- renovation carpenter
- rough carpenter

7272 Cabinetmakers

Cabinetmakers use a variety of woods and laminates to construct and repair wooden cabinets, furniture, fixtures and related products. They are employed by furniture manufacturing or repair companies, construction companies and cabinetmaking contractors, or they may be self-employed.

Example Titles

- cabinetmaker
- cabinetmaker apprentice
- custom wood furniture maker
- furniture cabinetmaker

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
7271 Carpenters	145	1.2%	11	2
7272 Cabinetmakers	55	0.5%		

projection

130 employers responded to the survey reporting a total of 110 employed Carpenters and Cabinetmakers (107 full-time and 3 part-time). This represents 55% of the employed labour force for Carpenters and Cabinetmakers reported in the 2006 Census data. Together, these employers reported needing to hire 6 full-time positions and 1 part-time position within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **13 jobs** for Carpenters and Cabinetmakers (**11 full-time** and **2 part-time**) available in the next 18 months.



4.41 Millwrights

7311 Construction Millwrights and Industrial Mechanics (Except Textiles)

7311 Construction Millwrights and Industrial Mechanics (Except Textile)

Construction millwrights and industrial mechanics install, maintain, troubleshoot and repair stationary industrial machinery and mechanical equipment. Construction millwrights are employed by mill righting contractors. Industrial mechanics are employed in manufacturing plants, utilities and other industrial establishments.

Example titles

- construction millwright
- industrial mechanic
- industrial mechanic apprentice
- maintenance millwright
- millwright
- millwright apprentice
- plant equipment mechanic
- treatment plant maintenance mechanic

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
7311 Millwrights	240	2.0%	9	4

projection

176 employers responded to the survey reporting a total of 187 employed Millwrights (183 full-time and 4 part-time). This represents 77.9% of the employed labour force for Millwrights reported in the 2006 Census data. Together, these employers reported needing to hire 7 full-time positions and 3 part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **13 jobs** for Millwright (**9 full-time** and **4 part-time**) available in the next 18 months.

*Mechanics ranks in the
Top 10 most Projected
Full-time Positions*

4.42 Mechanics

7312 Heavy Duty Equipment Mechanics

7321 Automotive Service Technicians, Truck and Bus Mechanics and Mechanical Repairers

7312 Heavy Duty Equipment Mechanics

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 which own and operate heavy equipment, and by heavy equipment dealers, rental and service establishments, and railway transport companies and urban transit systems.

Example Titles

- agricultural equipment technician
- construction equipment mechanic
- diesel mechanic – heavy equipment
- farm equipment mechanic
- heavy equipment mechanic
- heavy mobile logging equipment mechanic
- heavy mobile mining equipment mechanic
- heavy-duty equipment mechanic apprentice
- heavy-duty equipment technician
- locomotive mechanic
- tractor mechanic

7321 Automotive Service Technicians, Truck and Bus Mechanics and Mechanical Repairers

Automotive Service Technicians and Truck and Bus Mechanics 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, and service stations, automotive specialty shops, transportation companies and retail establishments which 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.

Example titles

- automobile mechanic
- automotive service technician
- automotive service technician apprentice
- bus mechanic
- car mechanic
- mechanical upgrader – motor vehicle
- manufacturing
- motor repairer – motor vehicle manufacturing
- motor vehicle mechanic
- transmission mechanic
- truck and transport mechanic
- truck-trailer repairer
- tune-up specialist – motor vehicle

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
7312 Heavy Duty Equipment Mechanics	40	0.3%	25	14
7321 Automotive Service Technicians, Truck and Bus Mechanics and Mechanical Repairers	215	1.8%		

projection

96 employers responded to the survey reporting a total of 203 employed Mechanics and Motor Vehicle Body Repairers (195 full-time and 8 part-time). This represents 59.7% of the employed labour force for these occupations reported in the 2006 Census data. Together, these employers reported needing to hire 13 full-time positions and 6 part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **39 jobs** for Mechanics (**25 full-time** and **14 part-time**) in the next 18 months.

4.43 Motor Vehicle Body Repairers

7322 Motor Vehicle Body Repairers

7322 Motor Vehicle Body Repairers

Motor Vehicle Body Repairers repair and restore damaged motor vehicle body parts and interior finishing; repaint body surfaces; and repair and/or replace automotive glass. They are employed by automobile dealerships, automobile body repair shops and automobile appraisal centres. This unit group also includes metal repairers who repair defective automobile body parts and damage to the bodies of newly assembled cars. They are employed by motor vehicle manufacturers.

Example titles

- auto body repairer
- automotive body mechanic
- automotive glass technician
- automotive painter apprentice
- automotive painter – motor vehicle repair
- metal finisher – motor vehicle manufacturing
- metal repairer – motor vehicle manufacturing
- motor vehicle body repairer apprentice
- motor vehicle body technician – truck
- painter – motor vehicle repair

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
7322 Motor Vehicle Body Repairers	85	0.7%	4	Stable

projection

42 employers responded to the survey reporting a total of 71 employed Motor Vehicle Body Repairers (3 full-time and 8 part-time). This represents 59.7% of the employed labour force for these occupations reported in the 2006 Census data. Together, these employers reported needing to hire 3 full-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **4 jobs** for Motor Vehicle Body Repairs (**4 full-time**) in the next 18 months.

4.44 Stationary Engineers

7351 Stationary Engineers

7351 Stationary Engineers

Stationary engineers and auxiliary equipment operators operate and maintain various types of stationary engines and auxiliary equipment to provide heat, light, power and other utility services for commercial, industrial and institutional buildings and other work sites. They are employed in industrial and manufacturing plants, hospitals, universities, government, utilities, hotels and other commercial establishments.

Example Titles

- auxiliary plant operator
- boiler operator
- power engineer
- power engineer apprentice
- stationary engineer
- stationary engineer apprentice
- steam plant operator

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
7351 Stationary Engineers	25	0.2%	Stable	Stable

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projection

8 employers responded to the survey reporting a total of 5 employed Stationary Engineers (5 full-time and 0 part-time). This represents 20% of the employed labour force for this occupation reported in the 2006 Census data. Together, these employers reported needing no additional full-time positions and/or part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be no additional jobs for Stationary Engineers in the next 18 months.

*Farmers and Farm
Managers ranks in the
Top 10 most Projected
Full-time Positions*

4.45 Farmers and Farm Managers

8251 Farmers and Farm Managers

8251 Farmers and Farm Managers

Farmers and farm managers manage the operations and functions of a farm. They are responsible for growing crops, raising and breeding livestock, poultry and other animals and marketing farm products.

Example Titles

- apiarist
- apple grower
- breeder, domestic animals
- feedlot manager
- fruit farmer
- fur farmer
- grape grower
- hog breeder
- horse breeder
- maple syrup producer
- potato farmer
- rancher
- seed grower
- sod farmer
- vegetable grower
- vineyard manager
- viticulturist
- wheat farmer

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
8251 Farmers and Farm Manager	805	6.8%	16	16

projection

47 employers responded to the survey reporting a total of 51 employed Farmers and Farm Managers (40 full-time and 11 part-time). This represents 6.3% of the employed labour force for Farmers and Farm Managers reported in the 2006 Census data. Together, these employers reported needing to hire 1 full-time position and 1 part-time position within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **32 jobs** for Farmers and Farm Managers (**16 full-time** and **16 part-time**) in the next 18 months.

4.46 Supervisors, Petroleum, Gas, and Chemical Processing and Utilities

9212 Supervisors, Petroleum, Gas, and Chemical Processing and Utilities

9212 Supervisors, Petroleum, Gas, and Chemical Processing and Utilities

Supervisors in this unit group supervise and co-ordinate the activities of workers in the following unit groups: Petroleum, Gas and Chemical Process Operators (9232), Power Engineers and Power Systems Operators (9241), Water and Waste Treatment Plant Operators (9243), Chemical Plant Machine Operators (9421) and Laborers in Chemical Products Processing and Utilities (9613). They are employed by petroleum and natural gas processing, pipeline and petrochemical companies, chemical and pharmaceutical companies, electric power utilities, water and waste treatment utilities and in a range of other industries and institutions.

Example Titles

- chemical processing supervisor
- foreman/woman, chemical
- foreman/woman, cosmetics processing
- foreman/woman, natural gas plant
- foreman/woman, water purification plant
- paint processing foreman/woman
- production supervisor, pharmaceuticals
- production supervisor, specialty chemicals
- steam engineer leader
- supervisor, petroleum refining
- supervisor, pipeline operation
- supervisor, power station
- supervisor, sewage treatment plant

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Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
9212 Supervisors, Petroleum, Gas, and Chemical Processing and Utilities	50	0.4%	2	Stable

projection

16 employers responded to the survey reporting a total of 47 employed Supervisors, Petroleum, Gas and Chemical Processing and Utilities (46 full-time and 1 part-time). This represents 94% of the employed labour force for this occupation reported in the 2006 Census data. Together, these employers reported needing to hire 2 full-time positions and no additional part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **2 jobs** for Supervisors, petroleum, gas and chemical processing and utilities (**2 full-time**) available in the next 18 months.

4.47 Supervisors, Plastics and Rubber Products Manufacturing

9214 Supervisors, Plastics and Rubber Products Manufacturing

9214 Supervisors, Plastics and Rubber Products Manufacturing

Supervisors in this unit group supervise and co-ordinate the activities of workers who operate processing machines and who fabricate, assemble and inspect rubber or plastic products. They are employed by rubber and plastic products manufacturing companies and in plastic parts divisions of other manufacturing companies.

Example Titles

- Foreman/woman, blow molding
- foreman/woman, calendaring – rubber and plastic manufacturing
- foreman/woman, extruding – rubber and plastic manufacturing
- supervisor, injection molding – plastic products manufacturing
- supervisor, plastic products manufacturing
- supervisor, rubber products manufacturing
- supervisor, tire building

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
9214 Supervisors, Plastics and Rubber Products Manufacturing	60	0.5%	Stable	Stable

projection

8 employers responded to the survey reporting a total of 30 employed Supervisors, Plastics and Rubber Products Manufacturing (30 full-time and 0 part-time). This represents 50% of the employed labour force for this occupation reported in the 2006 Census data. Together, these employers reported needing no additional full-time positions and/or part-time positions within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be no additional jobs for Supervisors Plastics and Rubber Products Manufacturing in the next 18 months.



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4.48 Supervisors, Other Products Manufacturing and Assembly

9227 Supervisors, Other Products Manufacturing and Assembly

9227 Supervisors, Other Products Manufacturing and Assembly

This unit group includes supervisors, not elsewhere classified, who supervise and co-ordinate the activities of workers who assemble, fabricate and inspect a variety of products, such as jewelry, clocks and watches, millwork, sporting goods, toys and other miscellaneous products. They are employed in a wide variety of manufacturing companies.

Example Titles

- foreman/woman, bicycle assembly
- foreman/woman, clock and watch assembly
- foreman/woman, jewelry manufacturing
- foreman/woman, millwork assembly
- supervisor, millwork assembly
- supervisor, silverware manufacturing
- supervisor, sports equipment assembly
- supervisor, toy manufacturing

Northumberland County Number of Jobs and Projections				
Total Employed Labour Force (ELF) : 27835 Skilled Labour Force: 11775 (42.3% of total ELF)			Projected Job Opportunities	
	Employed Labour Force	% Skilled Occupations /11775	Full-time	Part-time
9227 Supervisors, Other Products Manufacturing and Assembly	35	0.3%	2	1

projection

21 employers responded to the survey reporting a total of 24 employed Supervisors, Other Products Manufacturing and Assembly (22 full-time and 2 part-time). This represents 68.6% of the employed labour force for this occupation reported in the 2006 Census data. Together, these employers reported needing to hire 1 full-time position and 1 part-time position within the next 18 months. Relating this projection to the total employed labour force, it is estimated that there will be **3 jobs** for Supervisors, Other Products Manufacturing and Assembly available (**2 full-time and 1 part-time**) in the next 18 months.



4.49 Summary Projected Employment by Industry

	Occupations	TOTAL Projected Full-time Jobs	TOTAL Projected Part-time Jobs	TOTAL PROJECTED JOBS
Financial Officers	1111, 1112, 1114	17	3	20
Professional Business Officers/Consultants	1122	9	1	10
Supervisors, recording, distributing and scheduling occupations	1215	2	2	4
Administrative Roles	1221, 1231, 1241	20	3	23
Purchasing Agents and Officers	1225	0	0	0
Legal Secretaries	1242	5	1	7
Medical Secretaries	1243	0	0	0
Civil Engineers, Technologists & Technicians	2131, 2231	1	0	1
Mechanical Engineers, Technologists & Technicians	2132, 2232	2	2	4
Electrical Engineers, Technologists & Technicians	2133, 2241	0	0	0
Industrial Engineers, Technologists & Technicians	2141, 2233	3	2	5
Metalurgical and Materials Engineers	2142	0	0	0
IT and Computer Related Occupations	2171, 2174, 2282	10	7	17
Chemical Technologists and Technicians	2211	3	0	3
Inspectors in Public Environmental Health and Occupational Health & Safety	2263	1	0	1
Pharmacists	3131	4	1	5
Occupational Therapists	3143	0	2	2
Registered Nurses	3152	28	17	45
Medical Laboratory Technicians	3212	0	0	0
Licensed Practical Nurses	3233	14	15	29
Ambulance Attendants & Other				
Paramedical Occs.	3234	3	2	5
Lawyers	4112	4	0	4
Legal Positions	4155, 4211	7	6	13
College and Other Vocational Instructors	4131	8	0	8
Secondary and Elementary School Teachers/Counsellors	4141, 4142	6	0	6

Early Childhood Educators and other						
Instructors	4214	12	6	18		
Social Service Workers/ Counsellors	4152, 4212	26	16	42		
Graphic Designers	5241	4	1	5		
Program Leaders and Instructors in Recreation, Sport and Fitness	5254	0	56	56		
Supervisors	6211, 6212	6	5	11		
Real Estate & Insurance Agents	6231, 6232	5	1	6		
Chefs, Cooks, Bakers	6241, 6242, 6252	23	21	44		
Butchers, Meat Cutters & Fishmongers	6251	0	1	1		
Police Officers	6261	11	0	11		
Hairstylists	6271	13	0	13		
Hairstylists	7241, 7242	5	2	7		
Machinists and Tooling Inspectors	7231, 7232	2	2	4		
Plumbers	7251, 7252	5	4	9		
Welders	7265	5	11	16		
Carpenters	7271, 7272	11	2	13		
Millwrights	7311	9	4	13		
Mechanics	7312, 7321	25	14	39		
Motor Vehicle Body Repairs	7322	4	0	4		
Stationary Engineers	7351	0	0	0		
Farmers and Farm Managers	8251	16	16	32		
Supervisors, Petroleum, Gas, and Chemical Processing Utilities	9212	2	0	2		
Supervisors, Plastics and Rubber Products Manufacturing	9214	0	0	0		
Supervisors, Other Products Manufacturing and Assembly	9227	2	1	3		
total		333	226	559		

4.50 Summary of Projected Employment by Total Number of Jobs

	Occupations	TOTAL Projected Full-time Jobs	TOTAL Projected Part-time Jobs	TOTAL PROJECTED JOBS
Program Leaders and Instructors in Recreation, Sport and Fitness	5254	0	56	56
Registered Nurses	3152	28	17	45
Chefs, Cooks, Bakers	6241, 6242, 6252	23	21	44
Social Service Workers/ Counsellors	4152, 4212	26	16	42
Mechanics	7312, 7321	25	14	39
Farmers and Farm Managers	8251	16	16	32
Licensed Practical Nurses	3233	14	15	29
Administrative Roles	1221, 1231, 1241	20	3	23
Financial Officers	1111, 1112, 1114	17	3	20
Early Childhood Educators and other instructors	4214	12	6	18
IT and Computer Related Occupations	2171, 2174, 2282	10	7	17
Welders	7265	5	11	16
Hairstylists	6271	13	0	13
Millwrights	7311	9	4	13
Legal Positions	4155, 4211	7	6	13
Carpenters	7271, 7272	11	2	13
Police Officers	6261	11	0	11
Supervisors	6211, 6212	6	5	11
Professional Business Officers/Consultants	1122	9	1	10
Plumbers	7251, 7252	5	4	9
College and Other Vocational Instructors	4131	8	0	8
Electrical and Telecommunications Staff	7241, 7242	5	2	7
Legal Secretaries	1242	5	1	7
Secondary and Elementary School Teachers/Counsellors	4141, 4142	6	0	6
Real Estate & Insurance Agents	6231, 6232	5	1	6
Industrial Engineers, Technologists & Technicians	2141, 2233	3	2	5
Pharmacists	3131	4	1	5
Ambulance Attendants & Other Paramedical Occs.	3234	3	2	5
Crèche/Childcare	5344	4	1	5

Graphic Designers	5411	4	1	5
Mechanical Engineers, Technologists & Technicians	2132, 2232	2	2	4
Lawyers	4112	4	0	4
Supervisors, recording, distributing and scheduling occupations	1215	2	2	4
Motor Vehicle Body Repairs	7322	4	0	4
Machinists and Tooling Inspectors	7231, 7232	2	2	4
Supervisors, Other Products Manufacturing and Assembly	9227	2	1	3
Chemical Technologists and Technicians	2211	3	0	3
Supervisors, Petroleum, Gas, and Chemical Processing Utilities	9212	2	0	2
Occupational Therapists	3143	0	2	2
Inspectors in Public Environmental Health and Occupational Health & Safety	2263	1	0	1
Butchers, Meat Cutters & Fishmongers	6251	0	1	1
Civil Engineers, Technologists & Technicians	2131, 2231	1	0	1
Purchasing Agents and Officers	1225	0	0	0
Medical Secretaries	1243	0	0	0
Electrical Engineers, Technologists & Technicians	2133, 2241	0	0	0
Metallurgical and Materials Engineers	2142	0	0	0
Medical Laboratory Technicians	3212	0	0	0
Stationary Engineers	7351	0	0	0
Supervisors, Plastics and Rubber Products Manufacturing	9214	0	0	0
total	total	333	226	559

5 ADDITIONAL RESOURCES

Employment Ontario provides access to a number of employment and training programs and services through a simple 3 step process. Please visit them online at <http://www.tcu.gov.on.ca/eng/search.asp>.

The screenshot displays the Employment Ontario website. On the left is a vertical navigation menu with the following items: Postsecondary Education (dropdown), Employment and Training (dropdown), Ontario Job Bank, Labour Market Information, Popular Topics, Publications, Explore Government, and Contact Us. The main content area features a header with the 'EMPLOYMENT ONTARIO' logo and a 'Contact Employment Ontario' button. Below this is a search section titled 'What services are available near me?' with a 'SEARCH TIPS' link. The search instructions state: 'To find employment and training service, just follow these 3 simple steps.' The first step is 'STEP 1: Tell us what kind of help you need', which requires selecting one option from four categories: 'Looking for Work', 'Training and Upgrading', and 'Apprenticeship'. Each category has a 'Select' dropdown menu.

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