

20
12

INSIDE

- 10 Navigating the Career Planning Guide
- 10 Management Occupations
- 11 Business, Finance and Administration Occupations
- 12 Natural and Applied Sciences Occupations
- 14 Health Occupations
- 16 Social Sciences, Education, Government Service and Religion Occupations
- 17 Arts, Culture, Recreation and Sport Occupations
- 18 Sales and Service Occupations
- 19 Trades, Transport and Equipment
- 22 Primary Industry Occupations
- 23 Processing, Manufacturing and Utilities Occupations
- 24 Manitoba Education Training Index

2012 CAREER SYMPOSIUMS

WINNIPEG ROTARY CAREER SYMPOSIUM
Winnipeg Convention Centre
April 4-5, 2012
career-symposium.org/index.php

BRANDON CAREER SYMPOSIUM
March 5-7, 2012
career-symposium.ca/start.asp

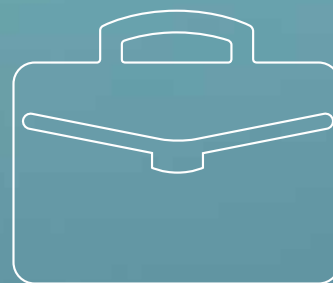
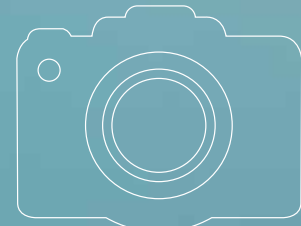
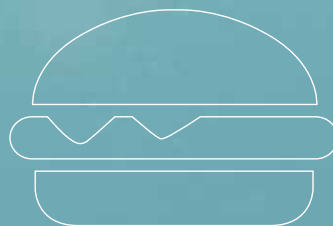
PARKLAND CAREER & JOB FAIR
Credit Union Place, Dauphin
April 18-19
pcjf.ca

MANITOBA CONSTRUCTION CAREER EXPO
Red River Exhibition Grounds
May 16, 2012
winnipegconstruction.ca

MANITOBA CAREER WEEK
November 5-11, 2012
manitobacareerdevelopment.ca

OPENING DOORS PARENTS' CAREER PLANNING EXPO
November 10, 2012
Alliance of Manitoba Sector Councils
1000 Waverley Street
amsc.mb.ca

+ MANITOBA PROSPECTS CAREER PLANNING PULL OUT GUIDE



OVER 200 CAREER CHOICES

NAVIGATING THE CAREER PLANNING GUIDE

This guide profiles over 200 occupations available in Manitoba. The content is arranged in ten sections based on the National Occupational Classification (NOC) system. Within each section, the listings are alphabetical by Job Title – the most commonly used title for the occupation. For each occupation listed, you will find the following information:

JOB INFORMATION: The number employed in the NOC group, full-time, part-time and temporary according to Statistics Canada – 2006 Census.

JOB DESCRIPTION: The main duties for the occupation. For more details visit Manitoba Job Futures at mb.jobfutures.org

JOB OUTLOOK: The forecasted employment demand for qualified workers over a five-year period.

STARTING/AVERAGE WAGES: The starting salary reflects the annual wage for workers entering the

occupation and includes a compulsory training period if applicable. The wages represent full time, full year employment, even though some occupations may be seasonal. Wages are based on analysis of government and industry data sources.

TRAINING AND EDUCATION ROUTES: Check index on page 24 for institution codes. Out-of-province schools are listed if training is not available in Manitoba. Many professional occupations require certification by a regulatory authority. For more details please visit Manitoba Job Futures at mb.jobfutures.org.

HIGH SCHOOL/TECHNICAL/VOCATIONAL PROGRAMS RECOMMENDED: Most post-secondary programs require specific high school prerequisites. Check index on page 24 for recommended high school courses in addition to Compulsory Core and Compulsory Complementary subject requirements. Completion of Grade 12 is often required and is

highly recommended to prepare for any career. Consult your school counsellor or a college/university calendar for information about the prerequisites for further training.

The Career Planning Guide is a joint project of the federal/provincial Labour Market Information Committee. Content was provided by labour market economists and analysts in Manitoba Entrepreneurship, Training and Trade, and Service Canada (Western Canada and Territories Region).

For further information about occupations listed in the guide, visit the websites listed below or ask your school or employment counsellor.

www.mb.jobfutures.org
www.workingincanada.gc.ca
www.manitoba.ca/lmi
www.hrsdc.gc.ca/noc

Job Information	Job Description	Job Outlook and Starting/Average Wage	Training and Education Routes	High School/Technical/Vocational Programs Recommended
MANAGEMENT				
NOTE: MOST MANAGEMENT JOBS REQUIRE SEVERAL YEARS OF EXPERIENCE.				
Accommodation Services Manager (NOC 0632) Employed — 1,430 Hotels, motels, resorts, bed and breakfasts. Irregular hours, shift work.	Plan, organize and control hotel, motel or resort operations. Plan budgets and advertising campaigns, negotiate with suppliers, hire staff. May arrange facilities for conventions and receptions.	Very Good \$31,800 / \$37,500	ACC, RRC, RC, PVPS. On the job training.	Grade 12. Business Education. RBR, SHC, SVRS.
Advertising, Sales, and Marketing Manager (NOC 0611) Employed — 4,450 Large companies in any industry, advertising agencies, consulting companies, self employed.	Plan and direct advertising campaigns to promote the sales of products and services. Organize distribution and presentation of products. Prepare market research studies and budgets.	Good \$47,900 / \$67,900	ACC, BU, USB, RRC, UM, UW, UCN, CMU, HC, PUC. University degree or college diploma in business administration or a related field.	Grade 12. Business Education. ATC, RBR, SHC, SVRS.
Banking, Credit and Other Investment Manager (NOC 0122) Employed — 1,670 Banks, credit unions, trust companies, personal loan agencies.	Plan, organize, direct and control, through subordinate managers or supervisors, banking activities in head office department, regional territory or branch of a chartered bank, credit union or trust company.	Good \$40,600 / \$60,000	ACC, USB, RRC, UCN, BU, UM, UW, CMU, PUC. University degree or college diploma in business administration, commerce, economics. On the job training.	Grade 12. Business Education. RBR, SHC, SVRS.
Commissioned Officer, Armed Forces (NOC 0643) Employed — 830 Canadian Armed Forces.	Plan, organize, command and evaluate the activities of navy, army or air force personnel in artillery and infantry, military intelligence, air weapons control, peacekeeping and disaster relief activities.	Very Good \$44,900 / \$80,500	USB, BU, UM, UW. University degree. On the job training.	Grade 12.
Construction Manager (NOC 0711) Employed — 1,415 General contractors, governments, self employed.	Plan and supervise construction of roads and bridges, hydroelectric dams and buildings. Prepare cost estimates and timetables, arrange financing, coordinate construction work.	Good \$46,300 / \$61,400	ACC, RRC, UCN, UM. On the job training.	Grade 12. Building and Trades Technology. ATC, CPRS, DRCS, HBO, KEC, LS, MMC, PC, RBR, RDP, SRS, TVH, WCM.
Health Care Manager (NOC 0311) Employed — 950 Hospitals, medical clinics, personal care homes, long term care facilities.	Plan, organize, direct and control the delivery of health care services, such as diagnosis and treatment, nursing and therapy within institutions that provide health care services. Prepare budget estimates and staffing plans.	Very Good \$55,000 / \$71,300	RRC, UM, YC.	Grade 12. Health/Child Care Occupations. HBO, CPRS, MCI, MMAC, RVS, SHC, SRS, TVH, WKC, WTC. Business Education. RBR, SHC, SVRS.
Information Systems Manager (NOC 0213) Employed — 925 Computer firms, large companies in both public and private sectors, self employed.	Plan, organize, direct and control activities of computerized information systems and electronic data processing departments or companies. Analyze information system requirements and develop and implement new and modified systems. Prepare budgets and staffing plans.	Good \$47,400 / \$68,100	RRC, UM, UW, USB.	Grade 12. Information Technology. ATC, MMC, SVRS, WCM, WTC.
Restaurant and Food Service Manager (NOC 0631) Employed — 3,365 Restaurants, bars, cafeterias, caterers. Irregular hours, shift work.	Plan, organize and control operations of food and beverage establishment. Hire, schedule and supervise staff. Control stock of food, plan menus, resolve customer complaints.	Good \$26,000 / \$33,300	ACC, MTEC, RRC, WTC, RC. On the job training.	Grade 12. Food and Hospitality Services. ATC, DRCS, KEC, LSRS, MCI, RBR, SHC, SRS, SVRS, TVH, WCM, WKC, WTC.
Retail Sales Manager (NOC 0621) Employed — 11,790 Retail stores, grocery stores, car dealerships, self employed. Shift work. Work may include evenings and weekends.	Plan, organize, direct and control the operation of a retail establishment. Plan budgets and authorize expenses. Hire and supervise staff.	Very Good \$25,500 / \$43,700	BU, UM, UW, USB, ACC, RRC, UCN, HC, PUC, CMU. On the job training.	Grade 12. Business Education. RBR, SHC, SVRS.

Job Information	Job Description	Job Outlook and Starting/Average Wage	Training and Education Routes	High School/Technical/Vocational Programs Recommended
School Principal/Superintendent (NOC 0313) Employed — 1,115 Elementary and secondary schools (public and private), school divisions.	Plan, organize and control activities of teachers, students and other school staff. Hire staff, start new programs, evaluate teachers and programs. Prepare budgets.	Good \$66,500 / \$78,200	BU, USB, UM, UW. (Bachelor of Education degree required). Pre-professional program at PUC.	Grade 12.
Transportation Manager (NOC 0713) Employed — 1,055 Trucking, railways, marine, bus lines, airlines, large manufacturing companies.	Manage departments that arrange for shipping documentation, scheduling and dispatching of goods delivery through different modes of transportation. Negotiate with carriers, warehouse operators and insurance companies for services and rates.	Good \$45,000 / \$62,800	RRC, UM. On the job training.	Grade 12.

BUSINESS, FINANCE AND ADMINISTRATION

Accountant (NOC 1111) Employed — 5,830 Large employers, governments, accounting firms, self-employed.	Prepare, analyze and verify reports that furnish financial and related business information. Give financial advice. Plan, set up and administer accounting systems.	Good \$36,400 / \$58,600	ACC, BU, CMU, USB, RRC, UCN, UM, UW, PUC. Institute of Chartered Accountants of Manitoba, Certified General Accountants Association of Manitoba, or Manitoba Society of Certified Management Accountants.	Grade 12. Business Education. RBR, SHC, SVRS.
Accounting Clerk (NOC 1431) Employed — 6,300 All industries. Concentrated in banks, insurance companies, wholesalers, retail stores, governments.	Keep records of sales and payments of an establishment, by computer or by written records. Accounting clerks may specialize in payroll, accounts payable, or billing. Calculate, prepare and process bills, invoices, accounts payables and receivables, budgets and other financial records.	Good \$25,300 / \$35,200	ACC, RRC, UCN, USB, AL, ATEC, ATI CDI, HRB, HC, RC, PVPS, PUC, WTC, YC. On the job training.	Grade 12. Business Education. RBR, SHC, SVRS.
Conference and Event Planner (NOC 1226) Employed — 430 Tourism associations, convention and conference centres, trade and professional associations, hotels, self employed.	Plan, organize and coordinate conferences, conventions, meetings, trade shows, weddings, and other events. Organize registration of participants, prepare programs and other materials, and publicize events.	Good \$21,800 / \$39,600	BU, RRC, UCN, UM, UW, PVPS. MTEC.	Grade 12. Business Education. RBR, SHC, SVRS.
Customer Service/Information Clerk (NOC 1453) Employed — 7,265 Retail, hospitality, utility companies in private and public sectors, call centres, banks.	Answer inquiries from customers and investigate complaints regarding company goods and services. Provide information to public regarding products, services, rates and policies.	Good \$21,500/ \$33,600	RRC, AL, ASPT, CDI, HC, MCCA, NIAT. On the job training. May need specific industry or subject matter training.	Grade 12.
Customer Services Representative Financial Services (NOC 1433) Employed — 3,285 Banks, Trust Companies, Credit Unions.	Process customer deposits, withdrawals, cheques/transfers, bills and other banking transactions. Provide customer services such as opening accounts and saving plans. Sell travellers' cheques, foreign currency and money orders. Balance daily transactions.	Good \$22,900 / \$28,400	ACC, RRC, PVPS, YC. On the job training.	Grade 12. Business Education. RBR, SHC, SVRS.
Executive Assistant (NOC 1222) Employed — 960 Governments, corporations, and associations.	Perform a variety of administrative duties in support of managers and company executives. Conduct research, prepare correspondence, reports, minutes, invoices and related material. Schedule appointments and meetings. Arrange travel schedules and make reservations.	Good \$31,200 / \$43,000	ACC, RRC, UCN, YC, AL, ATI, CDI, HC, PVPS, RC, WTC, NIAT. On the job training.	Grade 12. Business Education. ATC, RBR, SHC, SVRS, WTC.
Financial Planner/Investment Counsellor (NOC 1114) Employed — 1,745 Banks, trust companies, credit unions, investment firms, self employed. Irregular hours.	Identify clients' financial goals and objectives, analyze financial records, develop financial plans for clients. May also arrange for sale of financial products and investments.	Good \$35,900 / \$56,300	ACC, BU, CMU, USB, RRC, UCN, UM, UW, YC, PUC. Financial Advisors Association of Canada, Canadian Association of Accredited Mortgage Professionals, Canadian Institute of Financial Planning, Canadian Securities Institute, Chartered Financial Analyst Institute, Credit Institute of Canada, Credit Union Institute of Canada, Investment Funds Institute of Canada.	Grade 12. Business Education. RBR, SHC, SVRS.
General Office Clerk (NOC 1411) Employed — 10,535 Offices throughout the public and private sectors.	Record and process information. Prepare correspondence, reports, and other materials using word processing or other computer software. Answer telephones and inquiries. Operate photocopiers, fax machines and perform other clerical activities.	Good \$24,200 / \$33,700	ACC, RRC, UCN, AL, ATI, ATEC, CDI, HC, RC, YC, PVPS, PUC, NIAT. On the job training.	Grade 12. Business Education. ATC, RBR, SHC, SVRS, WTC.
Human Resources Specialist (NOC 1121) Employed — 1,645 Offices throughout the public and private sectors, consultants.	Develop and implement hiring policies, programs and procedures. Provide advice to managers and employers on personnel matters. May set pay and benefits, negotiate collective agreements, and deal with employee grievances.	Good \$42,700 / \$58,300	ACC, BU, USB, RRC, UCN, UM, UW, PUC. University degree or college diploma.	Grade 12. Business Education. RBR, SHC, SVRS.
Insurance Claims Adjuster/Investigator (NOC 1233) Employed — 1,240 Private and public insurance companies and adjusters. Irregular hours.	Investigate insurance damage or loss claims. Determine the amount of the damage or loss and whether the policy holder is covered for the losses. Administer claim settlements.	Good \$27,500 / \$47,600	ACC, BU, CMU, USB, RRC, UCN, UM, UW, PUC. On the job training.	Grade 12. Business Education. RBR, SHC, SVRS.
Insurance Underwriter (NOC 1234) Employed — 480 Insurance companies.	Review and evaluate insurance applications for health, life and other insurance risks. Establish programs and approve sale of insurance policies. Ensure government compliance.	Good \$30,300 / \$46,600	ACC, BU, CMU, USB, RRC, UCN, UM, UW, PUC.	Grade 12. Business Education. RBR, SHC, SVRS.
Loan Officer (NOC 1232) Employed — 1,375 Banks, trust companies, credit unions, finance companies.	Interview customers who apply for loans or credit, and evaluate their financial and credit status and their ability to repay the loans.	Good \$26,500 / \$46,700	ACC, BU, CMU, USB, UCN, UM, UW, PUC. Canadian Institute of Mortgage and Lenders, Credit Union Institute of Canada, Institute of Canadian Bankers. On the job training.	Grade 12. Business Education. ATC, RBR, SHC, SVRS.
Mail/Postal Clerk (NOC 1461) Employed — 1,585 Post offices, courier and parcel express services, large companies. PT.	Sort mail according to destination. May operate sorting machines. Bundle, label and route mail for delivery. Search directories for correct addresses and postal codes.	Good \$21,900 / \$36,300	On the job training.	Grade 12.
Medical Secretary (NOC 1243) Employed — 370 Physician offices, hospitals, medical clinics. PT.	Schedule and confirm medical appointments. Prepare medical records, reports, case histories and correspondence using a variety of computer software. Initiate and maintain confidential medical files and records. May also complete insurance and other claim forms, order supplies and maintain inventory.	Good \$23,000 / \$31,800	RRC, AL, ATI, CDI, HC, RC, WTC.	Grade 12. One 40S or 40G level Science preferred. WTC.

Job Information	Job Description	Job Outlook and Starting/Average Wage	Training and Education Routes	High School/Technical/Vocational Programs Recommended
Purchasing Agent (NOC 1225) Employed — 875 Firms of medium or large size. Mostly in wholesale and large retail stores, government offices.	Purchase the goods, materials, supplies and services required to operate a business. Determine requirements, arrange prices and delivery.	Good \$31,600 / \$51,400	ACC, BU, CMU, USB, RRC, UCN, UM, UW, PUC. Purchasing Management Association of Canada. On the job training.	Grade 12. Business Education. RBR, SHC, SVRS.
Receptionist (NOC 1414) Employed — 5,360 All industries.	Receive visitors, clients or customers and direct them according to the purpose of their visit, provide information, schedule appointments. May answer telephones.	Good \$21,100 / \$29,800	ACC, RRC, UCN, AL, ATI, CDI, HC, PVPS, RC, YC, ATC. On the job training.	Grade 12. WTC.
Recruitment Officer (NOC 1223) Employed — 525 All industries.	Identify staffing requirements, post notices and advertisements. Collect and screen applications. Coordinate and participate in selection process. May interview candidates. Implement layoffs or other termination of employment.	Good \$32,900 / \$52,600	BU, CMU, USB, UM, UW, ACC, RRC, UCN, PVPS. University degree or college diploma.	Grade 12. Business Education. RBR, SHC, SVRS.
Secretary (NOC 1241) Employed — 6,690 All industries.	Prepare correspondence, reports, minutes, invoices and related material using word processing or computer software. Schedule appointments and meetings. Arrange travel schedules and make reservations. Answer telephone enquiries and relay calls. Open and distribute incoming mail. Maintain records management system.	Good \$24,600 / \$36,400	ACC, RRC, UCN, YC, AL, ATI, CDI, HC, PVPS, RC, WTC, ATC, PUC. On the job training.	Grade 12. Business Education. ATC, RBR, SHC, SVRS, WTC.
Shipper and Receiver (NOC 1471) Employed — 4,385 Retail stores, wholesalers, manufacturers, transportation, storage, and moving companies. Shift work, may work evenings and weekends.	Receive and record movement of goods, determine method of shipment, prepare documentation, inspect goods, maintain computerized records.	Good \$21,300 / \$29,700	Forklift certificate may be required. Driver's licence may be required. On the job training.	Grade 12.
Survey Interviewer (NOC 1454) Employed — 1,455 Call centres, market research firms, governments. PT. Irregular hours.	Contact individuals or businesses by telephone or in person to gather information for market research, public opinion polls, or census. Ask questions and record responses onto computer assisted interviewing systems.	Good \$20,200 / \$27,100	On the job training.	Grade 12.

NATURAL AND APPLIED SCIENCES

NOTE: TECHNOLOGISTS PERFORM THEIR DUTIES UNDER GENERAL SUPERVISION, OFTEN INDEPENDENTLY, WHILE TECHNICIANS USUALLY WORK UNDER THE DIRECT SUPERVISION OF PROFESSIONAL OR TECHNOLOGICAL STAFF.

Agricultural and Fish Products Inspector (NOC 2222) Employed — 305 Governments, food processing companies.	Inspect food and fish products to ensure they meet production, storage and transportation standards. Ensure that safety and sanitary procedures are followed. Keep inspection records.	Good \$34,500 / \$55,400	UM, ACC, RRC. Pre-professional programs at CMU. On the job training.	Grade 12.
Agricultural Representative/Advisor (NOC 2123) Employed — 455 Governments, universities, seed, fertilizer and pesticide producers, banks, finance companies.	Provide counselling and advisory services to farmers on crop cultivation and fertilization, harvesting, animal and poultry care, disease prevention, farm management, financing and marketing.	Good \$30,200 / \$53,300	BU, UM, ACC. Pre-professional programs at CMU.	Grade 12. 40S level Science.
Air Traffic Controller (NOC 2272) Employed — 310 Airports. Shift work.	Give radio directions to aircraft pilots to provide for the safe, orderly and efficient flow of air traffic.	Good \$44,200 / \$76,400	NAV Canada Training Institute, Winnipeg. The Royal Canadian Air Force.	Grade 12.
Aircraft Pilot (NOC 2271) Employed — 660 Airlines, freight air carriers, flying schools, governments. Irregular hours.	Fly airplanes to transport passengers, mail and freight. May navigate with aid of charts and maps. In small aircraft, assist passengers and help load parcels and luggage.	Good \$32,500 / \$77,400	PUC, RRC, SAATC. Flying Schools (listed on page 24), The Royal Canadian Air Force.	Grade 12. Aviation. SHC.
Architect (NOC 2151) Employed — 355 Architectural and engineering consulting firms, governments, construction companies, self-employed.	Design buildings. Develop plans, specifications and detailed drawings. Inspect construction to ensure plans are followed.	Good \$43,700 / \$63,500	RRC, UM. Pre-professional programs at UW.	Grade 12. English 40S. Mathematics 40S.
Biological Technologist/Technician (NOC 2221) Employed — 580 Laboratories and field settings of governments, manufacturers (food products, pharmaceuticals), research and educational institutions, resource and utility companies.	Conduct laboratory tests and analyses, quality control, field surveys, and perform other technical activities for scientists and engineers. Work in areas such as agriculture, resource management, plant and animal biology, microbiology, cell and molecular biology, health sciences, and in fish hatcheries, greenhouses and livestock production programs.	Good \$28,000 / \$43,000	BU, UM, UW, USB, RRC, UCN, RRC/UW (joint program).	Grade 12. At least two 40S level Sciences.
Biologist and Related Scientists (NOC 2121) Employed — 745 Federal and provincial governments, universities, hospitals, laboratories.	Research and study the structure, function and growth of living organisms and their relationship to the environment.	Good \$30,600 / \$56,000	UM, UW, USB, RRC/UW (joint program), BU. Master's degree recommended.	Grade 12. Biology 40S and one other 40S level Science.
Chemical Technologist/Technician (NOC 2211) Employed — 1,050 Research laboratories, hospitals, governments, chemical manufacturers, pulp and paper manufacturers, mining companies, food processors.	Conduct chemical tests, measure reaction, analyze and record results. Assist in developing chemical engineering processes and apparatuses. Apply quality control standards.	Good \$28,600 / \$45,000	BU, UM, UW, UCN, USB, RRC, RRC/UW (joint program). Pre-professional program at UCN (Preparation for Technology).	Grade 12. Chemistry 40S.
Chemist (NOC 2112) Employed — 340 Consulting engineering and scientific firms, mining companies, federal and provincial governments, hospitals, research labs, chemical and food manufacturers.	Conduct research and do analysis to support industrial operations. Develop products such as new synthetic fibres, paints, adhesives and drugs, and design processes such as quality control.	Good \$40,300 / \$60,100	BU, USB, UM, UW, RRC/UW (joint program). Master's degree recommended.	Grade 12. Chemistry 40S and one other 40S level Science.
Civil Engineer (NOC 2131) Employed — 1,115 Consulting engineering firms, construction companies, utilities, governments, self employed.	Design and supervise the construction of bridges, roads and industrial buildings. May specialize in areas such as waste management, highways, structures, hydraulics or pipelines.	Very Good \$43,100 / \$74,600	UM, RRC. Pre-professional programs at BU, UW, UCN (Preparation for Technology).	Grade 12. Chemistry 40S. Physics 40S. Mathematics (Pre-Calculus) 40S.
Computer and Network Administrator/ Web Technician (NOC 2281) Employed — 1,520 Computer consulting firms, information system units in private and public workplaces.	Maintain computer networks in local areas (LAN) and wide areas (WAN). Maintain servers and connectivity. Troubleshoot LAN systems. Install software and hardware. Plan for network improvements. Administer employee access to the system.	Good \$30,200 / \$48,900	BU, UW, UM, ACC, RRC, UCN, AL, CDI, HC, PVPS, RC, WCST, WTC, USB. Pre-professional program at UCN (Preparation for Technology).	Grade 12. Information Technology. ATC, MMC, SVRS, WCM, WTC.

Job Information	Job Description	Job Outlook and Starting/Average Wage	Training and Education Routes	High School/Technical/Vocational Programs Recommended
Computer Programmer (NOC 2174) Employed — 2,510 Banks, insurance companies, software companies, governments.	Write programs in computer language to provide information in a manageable form to resolve business, engineering or scientific problems. Advise on use of computers, software and networks.	Good \$39,600 / \$58,300	BU, UM, UW, UCN, ACC, CDI, HC, RRC, USB. Pre-professional program at UCN (Preparation for Technology).	Grade 12. English. Mathematics. Information Technology. ATC, MMC, SVRS, WCM, WTC.
Computer Systems Analyst (NOC 2171) Employed — 2,925 All industries.	Design computer systems which provide solutions to problems or to perform computations or administrative tasks. Analyze databases and supervise computer programmers.	Good \$34,200 / \$51,600	BU, UM, UW, ACC, RRC, UCN, CDI, HC, USB. Pre-professional program at UCN (Preparation for Technology).	Grade 12. English. Mathematics. Information Technology. ATC, MMC, SVRS, WCM, WTC.
Conservation and Fishery Officer (NOC 2224) Employed — 225 Federal and provincial governments. Irregular hours, shift work.	Enforce federal and provincial regulations protecting fish, wildlife and other natural resources. Collect and relay information on resource management. May verify licences and arrest poachers.	Good \$31,900 / \$52,000	UM, UCN, ACC.	Grade 12. Biology 30S or 30G and Chemistry 30S or Physics 30G.
Construction Inspector (NOC 2264) Employed — 275 Governments, construction companies, engineering consulting firms.	Inspect the construction and maintenance of new and existing buildings, bridges and highways to ensure specifications and building codes are observed. Ensure that safety regulations are followed.	Good \$33,600 / \$51,400	UCN, RRC. Experience in a construction trade.	Grade 12. Building and Trades Technology. ATC, CPRS, DRCS, HBO, KEC, LS, MMC, PC, RBR, RDP, SRS, TVH, WCM.
Drafting Technologist/Technician (NOC 2253) Employed — 985 Engineering and architectural consulting firms, construction contractors, governments, manufacturing companies.	Prepare plans, layouts and drawings of buildings, equipment or products to be built. May use computer assisted design (CAD) techniques.	Good \$29,200 / \$44,600	RRC, ACC, WTC, UCN, IST.	Grade 12. Building and Trades Technology. ATC, CPRS, DRCS, HBO, KEC, LS, MMC, PC, RBR, RDP, SRS, TVH, WCM. Drafting. CPRS, KEC, LSRS, RDP, SHC, SRS, TVH, WTC.
Electrical and Electronic Engineer (NOC 2133) Employed — 685 Electrical utilities, communications firms, engineering consulting firms, manufacturers making or using electronic components.	Design, build and repair systems that generate, control or use electricity. May specialize in computer hardware and software design, electric power systems, telephone, communication, sound systems.	Good \$45,000 / \$75,300	UM, RRC, UCN. Pre-professional programs at UW, BU, UCN (Preparation for Technology).	Grade 12. Chemistry 40S. Mathematics (Pre-Calculus) 40S. Physics 40S. Electrical/Electronics. CPRS, DRCS, KEC, LSRS, SHC, SRS, SVRS, TVH, WTC.
Electrical and Electronic Engineering Technologist (NOC 2241) Employed — 885 Electrical utilities, communications firms, engineering consulting firms, manufacturers making or using electronic components.	Design, develop and test industrial process control systems, telecommunications, broadcast, recording and audiovisual systems, microelectronic systems and circuits, computer systems and networks, computer software.	Good \$30,000 / \$51,200	RRC, UCN. Pre-professional program at UCN (Preparation for Technology).	Grade 12. Mathematics 40S. Physics 40S. Electrical/Electronics. CPRS, DRCS, KEC, LSRS, SHC, SRS, SVRS, TVH, WTC.
Electronic Technician/Repairer (NOC 2242) Employed — 2,030 Electronic product manufacturers, distributors and repairers, governments, radio and TV broadcasters.	Repair and install a variety of electronic equipment such as computer equipment, radios and electronic components of various products found in offices, homes and factories.	Good \$24,100 / \$40,100	RRC, UCN, HC, WTC, WCST.	Grade 12. Electrical/Electronics. CPRS, DRCS, KEC, LSRS, SHC, SRS, SVRS, TVH, WTC.
Forestry Technician (NOC 2223) Employed — 205 Forestry and logging companies, consulting firms, governments.	Maintain boundary lines and mark timber for removal. Control wildfires, insects, and pests. Supervise tree plantings and monitor quality of trees. Implement water and soil erosion control. Perform tests and analyze results for soil, tree health and quality, and diseases.	Limited \$30,600 / \$55,200	UW, UCN. Experience in timber harvesting.	Grade 12.
Geologist (NOC 2113) Employed — 165 Petroleum and mining companies, governments, universities, geological consulting firms.	Conduct theoretical and applied research in the structure, composition and processes of the earth. May also plan, direct and participate in geological field studies, drilling and geological testing programs to find exploitable resources.	Limited \$45,800 / \$80,100	BU, UM. Master's degree recommended.	Grade 12. Physics 40S and one other 40S level Science.
Industrial and Manufacturing Engineer (NOC 2141) Employed — 320 Manufacturers, engineering firms.	Plan and develop various production methods, facilities and manufacturing systems. Plan, estimate, measure and schedule work to use time and resources efficiently.	Good \$45,000 / \$66,000	UM, UCN, RRC.	Grade 12.
Industrial Engineering and Manufacturing Technologist/Technician (NOC 2233) Employed — 500 Manufacturing and engineering companies.	Develop and conduct production, inventory and quality assurance programs. Design plant layouts and production facilities. Collect and analyze data and samples in support of quality assurance, health and safety programs.	Good \$30,200 / \$50,400	RRC, NIAT.	Grade 12. One 40S level Science. Mathematics.
Land Surveyor (NOC 2154) Employed — 181 Private sector land surveyors, governments, self employed.	Conduct surveys of land to establish the legal boundaries and ownership. Prepare and maintain the associated records and drawings or maps. Operate electronic and non-electronic survey equipment to measure distances, angles and land elevations.	Very Good \$35,500 / \$54,500 (Articling students earn less – approximately \$27,000 to start)	RRC, ACC, UCN.	Grade 12. One 40S or 40G level Science.
Landscape and Horticultural Technician (NOC 2225) Employed — 345 Governments, landscaping companies, nurseries, lawn care services, golf courses, cemeteries. Seasonal.	Design and develop landscape plans to suit prospective sites and clients. Construct and maintain gardens, parks, golf courses and other landscape environments. Advise clients on horticulture, breeding, cultivating and study of plants. May treat injured and diseased trees and plants.	Good \$25,100 / \$34,100	Apprenticeship: Combination of in-school and on the job training. Apprenticeship training and Certification in the trade is voluntary. Contact Apprenticeship Manitoba for more information. Other training: UM, ACC.	Grade 12. High School Apprenticeship Program. Landscaping and Gardening. RBR.
Mathematician/Statistician/Actuary (NOC 2161) Employed — 195 Insurance companies, pension benefit consulting firms, science and engineering consulting firms, governments, universities.	Conduct research, develop statistical methods and advise on applying statistics. Set quality control standards, or apply mathematics, probability, and risk theory to calculate appropriate insurance and pension premiums.	Good for Statistician Very Good for Actuary \$35,100 / \$64,100	BU, UM, UW. Master's degree recommended.	Grade 12. Mathematics.
Mechanical Engineer (Plant Engineer/Maintenance Engineer) (NOC 2132) Employed — 675 Engineering consulting firms, manufacturers, electric utilities, mining companies, pulp mills, fertilizer companies.	Design, develop and maintain internal combustion engines, steam and gas turbines, heating, ventilating and air conditioning systems, tools and hydraulic systems.	Good \$45,000 / \$63,000	UM, RRC. Pre-professional program at UW, BU.	Grade 12. Chemistry 40S. Mathematics (Pre-Calculus) 40S. Physics 40S.

Job Information	Job Description	Job Outlook and Starting/Average Wage	Training and Education Routes	High School/Technical/Vocational Programs Recommended
Software Developer (NOC 2173) Employed — 285 Computer software and consulting firms, information management units throughout the private and public sector.	Using knowledge of programming languages, create computer software for business and industrial applications.	Good \$47,900 / \$67,600	UM, UW, ACC, ETP, RRC, RC.	Grade 12. Information Technology. MMC, SVRS, WCM, WTC.
Web Designer/Internet Developer (NOC 2175) Employed — 460 Consulting companies, graphic design companies, self employed.	Design and develop web sites for the Internet and Intranet sites using content provided. Maintain internal links and connectivity to web servers. Monitor use of web sites.	Good \$25,400 / \$42,000	ACC, RRC, UM, UW, WTC, AL, CDI, HC, RC, ETP.	Grade 12. Information Technology. ATC, MMC, SVRS, WCM, WTC.

HEALTH

Chiropractor (NOC 3122) Employed — 365 Chiropractic clinics, private practice.	Examine patients; diagnose ailments paying special attention to the muscular, skeletal and nervous systems. Unlike physicians, chiropractors treat patients largely by manipulating the body.	Good \$60,100 / \$97,400 (Varies depending on overhead costs.)	Canadian Memorial Chiropractic College (Toronto), University of Quebec. Pre-professional programs at UM, UW, BU, and USB.	Grade 12. 40S level Science.
Dental Assistant (NOC 3411) Employed — 970 Dental clinics. PT.	Assist dentists by arranging instruments, preparing fillings and taking X rays. Care for patients before and after treatment. May perform clerical duties.	Good \$31,200 / \$39,800	RRC, UCN, CDI.	Grade 12. Mathematics 30S or 30G. Biology 40S or 40G. Dental Technology. TVH.
Dental Hygienist (NOC 3222) Employed — 430 Dental clinics. PT.	Assess, plan, treat and evaluate oral tissues to maintain wellness and prevent oral disease. Includes preventive dental care such as teeth cleaning and helping patients develop good oral hygiene skills.	Very Good \$62,400 / \$74,300	UM. (Pre-Medical Studies for Aboriginal Students) Pre-professional programs at BU, UW, UCN (Health Transition Certificate Program).	Grade 12. Mathematics 40S, Chemistry 40S. Biology 40S. Dental Technology. TVH.
Dentist (NOC 3113) Employed — 475 Dental clinics, private practice.	Diagnose, prevent and treat ailments, abnormalities of teeth, gums and bone structures.	Good Very Good in Rural Manitoba \$60,100 / \$124,100 (Varies depending on contract arrangements, overhead costs, etc.)	UM. (Pre-Medical Studies for Aboriginal Students) Pre-professional programs at UW, UM, BU, CMU, UCN (Health Transition Certificate Program).	Grade 12. Chemistry 40S and Physics 40S. Mathematics 40S. English 40S or French 40S.
Dietitian (NOC 3132) Employed — 395 Hospitals, personal care homes, wellness centres, weight loss clinics. PT.	Plan and direct food services programs. Counsel individuals regarding health and nutrition.	Good \$51,500 / \$59,000	UM.	Grade 12. Chemistry 40S. Food and Hospitality Services. DRCS, KEC, LSRS, MCI, RBR, SRS, SVRS, TVH, WCM, WKC, WTC.
Doctor/Specialist Physician and Family Physician (NOC 3111/3112) Employed — 1,184 specialists / 1,258 general (family) physicians Medical clinics, hospitals, governments or private practice, self employed. Irregular hours, shift work.	Examine patients, diagnose illnesses, treat people suffering from injury or disease.	Very Good Specialist Physician: \$240,000 / \$296,000 Family Physician: \$174,000 / \$243,000 (Earnings vary depending on payment modality, speciality, nature of practice, and hours worked)	Undergraduate degree; 4 year Doctor in Medicine required at UM; 2 to 8 years residency. (Pre-Medical Studies for Aboriginal Students) Pre-professional programs at BU, UM, UW, UCN (Health Transition Certificate Program).	Grade 12. Chemistry 40S. Physics 40S. Math 40S. English 40S or French 40S.
Emergency Medical Technician/Paramedic (NOC 3234) Employed — 710 Ambulance services, fire departments. Shift work.	Provide emergency medical care to sick or injured persons being transported to hospitals or other medical facilities. Administer cardio pulmonary resuscitation (CPR) and oxygen. Apply bandages and splints. May care for patients during air ambulance flights.	Very Good \$40,100 / \$58,500	RRC, CCI, ERRS, MESC.	Grade 12. Health/Child Care Occupations. HBO, CPRS, MCI, MMAC, RBR, RVS, SHC
Health Care Aide/Nursing Aide/Orderly (NOC 3413) Employed — 10,260 Hospitals, nursing homes. Shift work. PT.	Assist nurses, hospital staff and physicians in the basic care of patients. Answer call signals, supply and empty bed pans. Bathe, dress and groom patients. Serve meal trays and feed patients. Make beds and maintain patients' rooms. Move patients in wheelchair or stretcher.	Very Good \$34,300 / \$37,000	ACC, RRC, UCN, WTC, RC, HC, AL, CDI, CHN. On the job training.	Grade 12. Health/Child Care Occupations. HBO, CPRS, MCI, MMAC, RBR, RVS, SHC, SRS, TVH, WKC, WTC.
Licensed Practical Nurse (NOC 3233) Employed — 2,030 Hospitals, personal care homes, community and private nursing agencies, doctors offices PT. Shift work.	Provides a wide range of nursing functions to care for patients/clients/residents and promote optimal health outcomes for individuals, families and communities.	Good \$47,800 / \$53,200	ACC, UCN. Pre-professional program at UCN (Health Transition Certificate Program).	One 40S or 40G level Science. Health/Child Care Occupations. HBO, CPRS, MCI, MMAC, RBR, RVS, SHC, SRS, TVH, WKC, WTC.
Medical Laboratory Technologist (NOC 3211) Employed — 890 Hospitals, medical laboratories. PT.	Use tissue and fluid samples from patients to perform laboratory tests and analyze results using chemical and physical processes and principles.	Very Good \$49,800 / \$56,100	RRC, BU CMU, UM, UW.	Grade 12. One 40S level Science.
Medical Sonographer (NOC 3216) Employed — 90 Hospitals, medical clinics.	Use ultrasound equipment to perform diagnostic tests on patients. Keep records, adjust and maintain equipment.	Good \$61,900 / \$66,800	Health Sciences Centre.	Grade 12. Mathematics 40S. One 40S level science.
Midwife (NOC 3232) Employed — 40 (midwives only) Clinics, hospitals and birth centres. Private practice. Irregular hours.	Provide care and advice to women during pregnancy, labour, and after delivery. Examine and care for newborn infants. Provide counselling and education concerning diet and health practices. Admit and care for patients in hospitals.	Very Good \$75,600 / \$88,600	UCN. Pre-professional program at UCN (Health Transition Certificate Program).	Grade 12 Biology 40S. Chemistry 40S. Health/Child Care Occupations. HBO, CPRS, MCI, MMAC, RBR, RVS, SHC, SRS, TVH, WKC, WTC.
Nuclear Medicine Technologist with Radiation Therapist and Radiological Technologist (NOC 3215) Employed — 550 (in combination) Hospitals, medical clinics.	Operate scanners, nuclear medicine probes and other equipment for diagnosis and treatment of illnesses. Administer pharmaceuticals orally or by injection. Keep records on patient procedures and materials used.	Very Good \$52,600 / \$59,300	Southern Alberta Institute of Technology (SAIT).	Grade 12. English 30S. Mathematics 40S.

Job Information	Job Description	Job Outlook and Starting/Average Wage	Training and Education Routes	High School/Technical/Vocational Programs Recommended
Occupational Therapist (NOC 3143) Employed — 370 Hospitals, rehabilitation services, nursing homes, community health centres, self employed. PT.	Work with people who, because of illness, injury or other impairment, need specialized assistance in learning skills to enable them to lead independent lives.	Good \$55,100 / \$59,500	UM. Master's degree required. (Pre-medical Studies for Aboriginal Students) Pre-professional programs at BU, CMU, UW, UCN (Health Transition Certificate Program).	Grade 12. Biology 40S. Chemistry 40S. English 40S. Mathematics (Pre-Calculus or Applied) 40S.
Optician (NOC 3231) Employed — 295 Optical retail outlets, optical dispensary firms, self employed.	Fit customers with eyeglasses or contact lenses, as prescribed by an ophthalmologist or optometrist. Help clients select frames and order the lenses. May grind, polish, cut, edge or otherwise finish lenses and fit lenses into frames. Instruct clients on the use of contact lenses.	Good \$28,100 / \$42,000	RRC.	Grade 12.
Optometrist (NOC 3121) Employed — 125 Clinics, community health centres, self employed.	Detect, diagnose and treat vision problems. Examine patients' eyes, prescribe and fit eyeglasses and contact lenses. Recommend treatments to correct vision problems and other eye disorders.	Good Very Good in rural Manitoba \$64,300 / \$88,200 (Varies depending on overhead costs)	University of Waterloo. University of Montreal. Pre-professional programs at BU, UW.	Grade 12.
Pharmacist (NOC 3131) Employed — 1,095 Drugstores, hospitals, pharmacies in large supermarkets, self employed. PT. Shift work.	Prepare and give drugs to patients according to a doctor's prescription. Counsel patients on use of drugs. May manage drugstore that sells various products.	Very Good \$68,900 / \$77,800	UM. University Pre-Pharmacy degree required. (Pre-Medical Studies for Aboriginal Students) Pre-professional programs at BU, UW, UM, CMU, UCN (Health Transition Certification Program).	Grade 12. Chemistry 40S. Mathematics 40S (Pre-Calculus).
Pharmacy Technician (NOC 3414) Employed — 2,005 (in combination with Rehabilitation Aide/Assistant) Hospitals, drug stores, pharmacies in large supermarkets, PT. Shift work.	Assist pharmacists by mixing, packaging and labelling drugs. Maintain records of prescriptions and inventories of medications and pharmaceutical products.	Good \$31,600 / \$35,000	HC, RC, WTC. On the job training	Grade 12. Chemistry 40S. WTC.
Physiotherapist (NOC 3142) Employed — 665 Hospitals, therapy clinics, self employed. PT.	Plan and carry out treatment of injured and disabled patients to restore mobility, relieve pain, and prevent or limit disability. Instruct patients on home exercise routine.	Very Good \$57,800 / \$62,200	UM. (Pre-Medical Studies for Aboriginal Students) Pre-professional programs at UW, UCN (Health Transition Certificate Program).	Grade 12. Chemistry 40S. Physics 40S. Biology 40S. Mathematics 40S (Pre-Calculus or Applied).
Radiation Therapist (NOC 3215) Employed — 550 (in combination with Nuclear Technologist and Radiological Technologist) Hospitals, cancer treatment centres.	Administer radiation treatments to cancer patients as prescribed by Radiation Oncologists. Operate and monitor specialized radiotherapy equipment. Assist in preparing patients for radiation treatments. May also help prepare sealed radioactive substances to apply to the patient's body.	Very Good \$52,600 / \$59,300	RRC. Pre-professional program at UW.	Grade 12. Physics 40S.
Radiological Technologist (NOC 3215) Employed — 550 (in combination with Nuclear Therapist and Radiation Therapist) Hospitals, X ray clinics. Irregular hours. Shift work.	Operate equipment such as X rays, cathode ray and magnetic resonance scanners to produce images of body structure to find illnesses and injuries.	Very Good \$52,600 / \$59,300	RRC. Pre-professional program at UW.	Grade 12. Physics 40S and Chemistry or Biology 40S.
Registered Nurse (NOC 3152) Employed — 10,480 (RN only) Hospitals, home care, personal care homes, community, public health, governments, large corporations, schools, and doctor's offices. PT. Shift work.	Practices collaboratively to assess and meet the health care needs of individuals, families, groups and communities. Provide skilled nursing care, coordinate care of patients in hospital and community. May supervise other caregivers. Extended practice nurses practice independently, prescribe drugs, order screening and diagnostic tests, and perform minor surgical and invasive procedures.	Very Good \$62,500 / \$68,100	UM, BU, UCN, RRC, ACC, USB. Extended Practice nurses require Masters degree, UM. Pre-professional programs at CMU.	Grade 12. One 40S level Science. Mathematics 40S. Health/Child Care Occupations. HBO, CPRS, MCI, MMAC, RBR, RVS, SHC, SRS, TVH, WKC, WTC.
Registered Psychiatric Nurse (NOC 31524) Employed — 960 (RPN only) General hospitals, psychiatric hospitals, community mental health programs, health clinics, personal care homes, correctional facilities. Shift work.	Practice collaboratively to assess and meet the health care needs of individuals, families, groups and communities with an emphasis on emotional, mental and developmental health. May provide supervision to other health care personnel.	Very Good \$62,500 / \$68,100	BU (including Winnipeg campus).	Grade 12. One 40S level science. Mathematics (Pre-Calculus or Applied). English 40S. Health/ Child Care Occupations. HBO, CPRS, MCI, MMAC, RBR, RVS, SHC, SRS, TVH, WKC, WTC.
Rehabilitation Aide/Assistant (NOC 3414) Employed — 2,005 (in combination with Pharmacy Technician) Hospitals, rehabilitation clinics, personal care homes.	Assist professionals such as occupational therapists and physiotherapists in administering tests and treatment programs to patients. Assist with technical therapy and assessment functions to rehabilitate injured or disabled individuals.	Good \$33,100 / \$34,500	WTC.	Grade 12. Health/Child Care Occupations. HBO, CPRS, MCI, MMAC, RBR, RVS, SHC, SRS, TVH, WKC, WTC.
Respiratory Therapist (NOC 3214) Employed — 180 Hospitals, health care and private institutions. PT. Shift work.	Assist physicians in the treatment and care of patients with respiratory and related disorders. Cardiopulmonary diagnostic, treatment, and education in a variety of health care settings.	Good \$54,400 / \$59,700	Pre-professional programs at BU, CMU, UW.	Grade 12. Chemistry 40S. Physics 40S. Biology 40S. Mathematics 40S (Pre-Calculus or Applied). English 40S.
Speech Language Pathologist/Audiologist (NOC 3141) Employed — 290 Hospitals, school divisions, rehabilitation services, retail hearing aid outlets. Private practice. PT.	Diagnose and treat speech, language, communication and hearing problems. May counsel patients and families about coping with communication disorders.	Very Good \$57,800 / \$65,300	Master's degree required. University of Toronto, University of Alberta, University of B.C., Dalhousie University, University of Montreal, McGill University, Laval University, University of Western Ontario, University of Ottawa, University of N. Dakota, University of Minnesota.	Grade 12. One 40S level Science.
Veterinarian (NOC 3114) Employed — 325 Veterinary clinics or private practice. Large animal veterinarians are located primarily in rural areas. Irregular hours.	Diagnose and treat animal diseases and injuries. Advise clients on feeding, health, housing and general care of animals.	Very Good \$47,800 / \$71,400	University of Saskatchewan, Atlantic Veterinary College (Charlottetown), University of Guelph, University of Montreal (French). Pre-professional programs at BU, UM, UW.	Grade 12. Biology 40S. Chemistry 40S. Physics 40S. English 40S.

Job Information	Job Description	Job Outlook and Starting/Average Wage	Training and Education Routes	High School/Technical/Vocational Programs Recommended
SOCIAL SCIENCES, EDUCATION, GOVERNMENT SERVICE AND RELIGION				
Business Development Officer (NOC 4163) Employed — 1375 Government agencies, marketing firms, business associations, self employed.	Develop policies and administer programs to promote commercial business investment in urban/rural areas. Plan development projects with businesses, associations, government agencies and rural communities.	Good \$35,500 / \$56,800	ACC, RRC, UCN, BU, USB, SMU, UM, UW, PUC.	Grade 12.
Community and Social Service Worker (NOC 4212) Employed — 5,030 Crisis centres, emergency shelters, governments, group homes, jails, social service agencies.	Plan and administer programs for social assistance or community development. Conduct client workshops in life skills, substance abuse and job search. Refer clients to other social services.	Good \$25,200 / \$35,600	UM, UW, BU, CMU, USB, UCN, ACC, RRC, YC. Pre-professional program at UW, BU, CMU, PUC.	Grade 12.
Early Childhood Educator and Assistant (NOC 4214) Employed — 6,555 Child care centres, self employed.	Plan, organize, teach and lead children in activities, such as indoor and outdoor games, crafts, singing, music sessions and story times. Assist children with eating, dressing and toilet habits.	Very Good \$20,800 / \$32,500	ACC, UCN, UM, UW, ATEC, CMTEI, RRC, USB.	Grade 12. Health/Child Care Occupations. ATC, HBO, CPRS, MCI, MMAC, RBR, RVS, SHC, SRS, TVH, WKC, WTC.
Educational Counsellor (NOC 4143) Employed — 780 Schools, universities, colleges, community service organizations.	Provide students and adults with assistance and guidance regarding personal needs or educational and career planning.	Good \$36,800 / \$51,900	BU, UM, UW, CMU, USB. (Bachelor of Education degree required.) Pre-professional programs at UW, UM, BU, UCN, USB, CMU, PUC.	Grade 12.
Elementary School and Kindergarten Teacher (NOC 4142) Employed — 11,170 Elementary schools (public and private).	Prepare teaching material on a wide range of subjects and present it to students in Kindergarten to Grade 8. May concentrate on areas such as mathematics, language or music.	Good Very Good for French Immersion, French schools and English as an Additional Language, and in rural Manitoba \$44,900 / \$66,300	BU, UM, UW, USB, UCN. (Bachelor of Education degree required.) Pre-professional programs at UW, UM, BU, UCN, USB, CMU, PUC.	Grade 12.
Employment Counsellor (NOC 4213) Employed — 490 Employment service agencies, provincial government.	Counsel and provide information to workers and unemployed clients on all aspects of employment search and career planning. Advise employers on human resource and other employment issues. Collect labour market information for clients regarding job openings and skill requirements.	Good \$27,200 / \$39,600	BU, CMU, USB, UM, UW, ACC, RRC, YC, PUC.	Grade 12.
Family, Marriage and Other Related Counsellors (NOC 4153) Employed — 930 Social service agencies, hospitals, governments, tribal councils, private practices.	Interview clients, prepare case histories and assess problems. Counsel clients and provide therapy. Follow up results of counseling programs and clients' adjustments.	Good Very Good in rural Manitoba \$27,000 / \$44,500	BU (First Nations and Aboriginal Degree Program), CMU, UM, UW, BU, USB, ACC, RRC. Pre-professional programs at BU, CMU, UW, PUC, PTS.	Grade 12.
Instructor of Persons with Disabilities (NOC 4215) Employed — 185 Community agencies, high schools, elementary schools, vocational rehabilitation agencies, schools for the disabled.	Teach mentally or physically disabled children and adults communication techniques, such as braille or sign language, and rehabilitation skills to increase independence and mobility.	Good \$24,100 / \$41,000	BU, UM, RRC, USB. A bachelor's degree in education or a related field, such as psychology or social work, is usually required. Instructors of the blind require certification by the Canadian National Institute for the Blind.	Grade 12. Health/Child Care Occupations. HBO, CPRS, MCI, MMAC, RBR, RVS, SHC, SRS, TVH, WKC, WTC.
Lawyer (NOC 4112) Employed — 1,900 Law firms, large companies, governments, self employed.	Advise individuals and business clients and draw up legal documents such as contracts, wills and agreements. Prepare and present cases representing clients in courts of law.	Good \$58,300 / \$91,700 (Articling lawyers may earn less)	UM. Pre-professional programs at BU, CMU, UW, UM, PUC. Law Society of Manitoba.	Grade 12.
Paralegal (NOC 4211) Employed — 1,025 Law firms, governments.	Search records, prepare routine documents and letters under the direction of a lawyer, maintain business legal records.	Good \$30,000 / \$37,800	RRC, CDI, HC, RC, UM, UW. Experience as a Legal Secretary.	Grade 12. Business Education. RBR, SHC, SVRS.
Minister of Religion (NOC 4154) Employed — 1,450 Churches, synagogues, mosques, and other religious congregations. Irregular hours.	Minister to the spiritual needs of a congregation or community of a religious faith. May conduct worship services, counsel members of the congregation, teach the religion.	Very Good \$27,200 / \$42,300	UW, UM, BUC, CMU, PUC, SBC, PTS. Different denominations have unique educational requirements; please consult a leader in your religious community about education routes.	Grade 12.
Secondary School Teacher (NOC 4141) Employed — 5,740 Junior and senior high schools (public and private).	Prepare and present subject matter to students in grades 9 to 12. Test students' knowledge and correct papers. May specialize in one or two subjects.	Good Very Good in rural/northern Manitoba and for Math, Science, French Immersion, French schools and English as an Additional Language \$44,900 / \$66,300	BU, UM, UW, USB, UCN, RRC. Pre-professional programs at UM, BU, UCN, UW, USB, CMU, PUC. Bachelor of Education degree required.	Grade 12.
Social Worker (NOC 4152) Employed — 2,185 Local governments, child and family services, tribal councils, hospitals, jails.	Counsel and assist individuals, families or other groups to understand and resolve personal and social difficulties.	Very Good \$35,400 / \$51,800	BU, UM, UW, USB, UCN, ACC, RRC, BUC, CMU, YC. Pre-professional programs at BU, UW, CMU, SBC.	Grade 12.
University Professor (NOC 4121) Employed — 2,345 Universities.	Teach students in classrooms, seminars and laboratories at universities, specializing in one or two related subjects. May conduct and/or supervise research.	Very Good \$46,500 / \$83,000	UM, UW, USB, BU. University Master's or Doctorate Degree required.	Grade 12.

Job Information	Job Description	Job Outlook and Starting/Average Wage	Training and Education Routes	High School/Technical/Vocational Programs Recommended
ARTS, CULTURE, RECREATION AND SPORT				
Announcer/Broadcaster (NOC 5231) Employed — 300 Radio and TV stations, self employed. Irregular hours.	Introduce programs and music. Interview guests. Read the news, weather, traffic conditions, commercials and other announcements for radio, television and at special events. May specialize in broadcasting sports, weather reports, film reviews.	Limited \$23,200 / \$41,700	ACC, RRC, ABC, RC, YC, PUC.	Grade 12. Media Production. RBR, RDP, TVH.
Audio/Video Recording Technician (NOC 5225) Employed — 265 Film, video and concert producers, sound recording firms, radio and television stations, self employed. Irregular hours.	Operate specialized electronic equipment to record stage productions, live programs or events, and studio recordings. Edit and reproduce tapes for compact discs, records and cassettes, for radio and television broadcasting and for motion picture productions.	Good \$27,500 / \$43,300	ACC, RRC, MSMA, FTM, USB. On the job training.	Grade 12. Media Production. RBR, RDP, TVH.
Dancer/Dance Instructor (NOC 5134) Employed — 220 Dance companies, dance schools, self employed.	Practice and perform dances before live audience or for film and television. Teach dance techniques. May specialize in ballet, ballroom, jazz, folk or ethnic dances.	Limited \$24,800 / \$31,000	UW, CD, RWB.	Grade 12. Dance.
Fashion Designer/Theatrical Designer (NOC 5243) Employed — 210 Clothing manufacturers, theatrical companies, film production companies, museums.	Design and create clothing and accessories for men, women and children. May design and create costumes, theatrical sets and exhibits.	Limited \$23,000 / \$39,100	UM. On the job training.	Grade 12. Media Production. RBR, RDP, TVH.
Film Producer/Director/Editor (NOC 5131) Employed — 425 Advertising, broadcasting and film production companies, self employed. Irregular hours. May be temporary.	Plan, organize and co ordinate film production. Obtain financing, hire personnel. Arrange film segments into sequences to achieve desired thematic effects.	Variable (Project based) \$33,200 / \$45,800	ACC, BU, RRC, UM, UW, ABC. Film Training Manitoba, National Screen Institute of Canada On the job training.	Grade 12. Media Production. RBR, RDP, TVH.
Film Production Support Worker (NOC 5226/5227) Employed — 220/170 Motion picture and video production companies, theatres, television and radio stations. Irregular hours. May be temporary.	Camera crane operators set up and adjust cameras, projectors, and control panels. Props persons assemble, repair and place props. Script assistants distribute scripts to actors, keep note of actions, positions, camera angles and scenes. Grips and riggers set up and dismantle backdrops and scenery. Dressers clean, maintain, and store costumes, help performers to dress in costumes.	Variable (Project based) \$22,600 / \$35,100 (Trainees may earn minimum wage)	ACC, RRC, ABC, PUC. Film Training Manitoba. On the job training.	Grade 12. Media Production. RBR, RDP, TVH.
Graphic Designer and Illustrator (NOC 5241) Employed — 1,350 Printers and publishers, advertising agencies, manufacturers of signs and displays, self employed.	Create illustrations and designs for books, magazines, posters, newspapers, billboards, TV commercials, cartoons, catalogues. Provide cost estimates, consult with clients.	Good \$25,000 / \$39,400	BU, RRC, UM, WTC.	Grade 12. Visual Arts/Communication. CPRS, DRCS, KEC, LSRS, RBR, SVRS, TVH, WTC. May also require portfolio of artwork.
Interior Designer (NOC 5242) Employed — 285 Architectural firms, retail stores, construction companies, self employed. PT.	Consult with clients to determine how space will be used. Develop plans and models showing arrangement of furniture, lighting, walls and displays. Advise on colour schemes, floor and wall coverings, and furniture. Estimate costs and materials required.	Good \$30,300 / \$45,900	UM. Master's degree required.	Grade 12.
Journalist (NOC 5123) Employed — 380 Radio and television networks or stations, newspapers and magazines, self employed (freelance). Irregular hours. Shift work.	Research, investigate, interpret and communicate news and public affairs through newspapers, television, radio and other media. Arrange and conduct interviews. May write feature columns, editorials or critical reviews.	Limited \$27,000 / \$46,200	ACC, BU, CMU, RRC/UW (joint program), UM, UW, ABC, PUC. Pre-professional training at UW.	Grade 12.
Librarian (NOC 5111) Employed — 460 Public libraries, universities, colleges, schools, governments. PT.	Develop, organize and maintain a collection of books, periodicals, audio/video tapes and other materials. Help people find information sources. Develop and support information access systems.	Good \$28,900 / \$51,600	Master's degree in Library Studies is required. Dalhousie University, University of Alberta, University of British Columbia, McGill University, Université de Montréal, University of Toronto, University of Western Ontario.	Grade 12.
Library Technician (NOC 5211) Employed — 685 Public libraries, library supply companies, schools, universities, colleges, large corporations.	Assist librarians in cataloguing new library books, manuscripts and other materials and in conducting reference searches. Help library users to locate books, articles or other materials. Operate computerized library systems. Assist in developing, organizing and maintaining a collection of library material.	Good \$27,000 / \$36,900	RRC.	Grade 12.
Musician/Singer (NOC 5133) Employed — 1,225 Orchestras or bands, opera or theatrical companies, night clubs, self employed. PT. Irregular hours.	Write, sing, play or direct music. May play an instrument for a band or alone. May sing in, play in, or direct choral groups or symphonies.	Limited \$33,300 / \$37,600	BU, CMU, UM, UW, PUC.	Grade 12. Music 40S. Second language at 40S level recommended.
Public Relations Officer (NOC 5124) Employed — 780 Governments, business associations, large corporations, consulting firms, community interest groups.	Plan, organize and carry out activities such as press conferences. Prepare press releases, arrange advertising designed to promote an organization's products, policies or services.	Good \$30,000 / \$47,200	UW, RRC.	Grade 12. Business Education. RBR, SHC, SVRS.
Recreation and Sport Program Leader (NOC 5254) Employed — 1,975 Governments, cultural centres, personal care homes, fitness and recreational clubs, self employed.	Plan and coordinate sports, recreational, arts and similar activities. Lead groups and individuals in recreational or leisure programs. Monitor activities to ensure safety. May be temporary/seasonal/sessional.	Good \$20,800 / \$29,900	RRC, UCN, UM, UW, Sport Manitoba. Manitoba Fitness Council. CPR and First Aid skills may be required.	Grade 12. Physical Education.
Translator/Interpreter (NOC 5125) Employed — 325 Governments, private translation and interpreting agencies, international agencies and firms, self employed. PT. Irregular hours.	Translate oral, written or signed communication from one language to another. Usually specialize in one language and in one technical area.	Very Good \$35,100 / \$46,200	BU, USB, RRC, UM, UW.	Grade 12. Standing in languages in addition to English at 40S level recommended.
Writer (NOC 5121) Employed — 470 Newspapers and magazines, radio and TV broadcasters, governments, manufacturing firms, self employed. PT.	Write material for newspapers, books, magazines, trade journals, radio, TV and screen. May write manuals explaining technical details and procedures. May edit by selecting and preparing material for publication. May prepare reports on news events.	Limited \$25,100 / \$35,700	ACC, BU, CMU, USB, RRC, UCN, UM, UW, PUC.	Grade 12.

Job Information	Job Description	Job Outlook and Starting/Average Wage	Training and Education Routes	High School/Technical/Vocational Programs Recommended
SALES AND SERVICE				
Baker (NOC 6252) Employed — 1,620 Bakeries, grocery stores, food manufacturers.	Prepare dough for bread, cakes, candies, pastries, and other baked foods. Operate mixing machines, decorate cakes and pastries. May purchase supplies and hire and train staff.	Very Good \$20,000 / \$27,300	ACC, RRC, ATC, WTC. On the job training.	Grade 12. Food and Hospitality Services. ATC, DRCS, KEC, LSRS, MCI, RBR, SHC, SRS, SVRS, TVH, WCM, WKC, WTC.
Bartender (NOC 6452) Employed — 1,420 Hotels, restaurants, bars, clubs. Irregular hours. Shift work. PT.	Mix and serve alcoholic and non alcoholic beverages. Collect money for drinks served. Wash glasses. Prepare drink garnishes.	Good \$18,800 / \$21,600 (Not including tips)	MTEC.	Grade 12.
Butcher and Meatcutter (NOC 6251) Employed — 615 Supermarkets, grocery stores, butcher shops, self employed.	Prepare standard and custom cuts of meat, poultry and fish for sale. Cut, trim, debone and slice meats. Shape, lace and tie roasts and arrange displays.	Good \$23,400 / \$31,200	Northern Alberta Institute of Technology, Southern Alberta Institute of Technology, Olds College. On the job training.	Grade 12
Chef (NOC 6241) Employed — 1,140 Restaurants, hotels, clubs, resorts, catering businesses, self employed. Irregular hours. Shift work.	Plan and direct food preparation and cooking activities. Plan menus. Ensure that food is of high quality. May supervise other specialist chefs or cooks. Prepare and cook meals or specialty foods.	Very Good \$26,600 / \$36,600	ACC, RRC, UCN, MTEC, WTC. On the job training.	Grade 12. Food and Hospitality Services. ATC, DRCS, KEC, LSRS, MCI, RBR, SHC, SRS, SVRS, TVH, WCM, WKC, WTC.
Cook (NOC 6242) Employed — 7,150 Restaurants, hotels, hospitals, fast food restaurants, schools, clubs, resorts. Irregular hours, shift work. PT.	Prepare, cook, decorate and arrange food in creative ways. Plan menus and order supplies. May supervise other kitchen workers.	Very Good \$20,800 / \$27,200	Apprenticeship: Combination of in-school and on the job training. Interprovincial/Red Seal endorsed Certificate of Qualification issued. Apprenticeship training and certification in the trade are voluntary. Contact Apprenticeship Manitoba for more information. Other training: ACC, RRC, UCN, PVPS.	Grade 12. High School Apprenticeship Program. Food and Hospitality Services. ATC, DRCS, KEC, LSRS, MCI, RBR, SHC, SRS, SVRS, TVH, WCM, WKC, WTC.
Correctional Services Officer (NOC 6462) Employed — 1,085 Provincial and federal government jails or juvenile institutions. Shift work.	Guard prisoners in jails. Search prisoners and cells. Patrol assigned areas. May guard prisoners being transferred.	Good \$42,500 / \$58,000	ACC, BU, USB, RRC, UCN, UM, UW. On the job training.	Grade 12.
Esthetician (includes Skin Care Technician and Nail Technician) (NOC 6482) Employed — 810 Beauty salons, esthetics salons, spas, self employed. PT. Work may include evenings and weekends.	Provide face and back treatments including cosmetic massage, cleansing applications, facial masks and specialized skin treatments. Perform make up artistry. Remove unwanted hair by the use of waxing or depilatory methods. Perform manicures and pedicures, apply artificial nails.	Good \$20,600 / \$26,200	Apprenticeship: Combination of in-school and on the job training. Enrolment in, or completion of technical training is required before beginning an apprenticeship in this trade. Interprovincial/Red Seal endorsed Certificate of Qualification issued and is compulsory to legally work in this trade in Manitoba. Contact Apprenticeship Manitoba for more information. Other training: ASH, CA, ESE, SSMH.	Grade 12. High School Apprenticeship Program. Cosmetology/Hairstyling. ATC, ESE, MCC, MMAC.
Firefighter (NOC 6262) Employed — 1,205 Local governments, airports, railways. Irregular hours, shift work.	Respond to fire alarms and calls for assistance. Rescue victims from burning buildings and accident sites including hazardous waste spills. Give first aid. Inform and educate the public on fire prevention. May be a volunteer worker in rural areas.	Good \$30,600 / \$59,600	MESC, CCI, ERRS, SMART. On the job training.	Grade 12.
Flight Attendant (NOC 6432) Employed — 205 Airline companies. Irregular hours, shift work.	Greet airline passengers and verify tickets. Serve meals and beverages. Assist passengers in discomfort. Assist passengers to use safety equipment.	Limited \$32,000 / \$52,400	On the job training.	Grade 12.
Hairstylist/Barber (NOC 6271) Employed — 3,000 Hairdressing salons, barber shops, self employed. PT. Work may include evenings and weekends.	Clean, cut, perm, straighten, colour, bleach, condition and treat hair. Perform finishing techniques on hair and condition, clean and treat the scalp.	Good \$19,800 / \$26,400 (Not including tips)	Apprenticeship: Combination of in-school and on the job training. Interprovincial/Red Seal endorsed Certificate of Qualification issued and is compulsory to legally work in this trade in Manitoba. Contact Apprenticeship Manitoba for more information. Other training: ASH, CA, SSMH, WTC.	Grade 12. High School Apprenticeship Program. Cosmetology/Hairstyling. CPRS, DRCS, GVC, HBO, KEC, LSRS, MCC, MMAC, PC, RBR, SHC, SJC, SRS, SVRS.
Janitor/Caretaker/Building Superintendent (NOC 6663) Employed — 9,205 Schools, hospitals, shopping malls, building management agencies, large office complexes, apartment buildings. Irregular hours, shift work.	Clean and maintain offices, apartment buildings, shopping malls, schools and similar establishments. Make minor repairs to plumbing, heating and electrical systems, and perform other maintenance activities such as painting, cutting grass and shovelling snow. May also advertise and show apartments, collect rents and supervise other workers.	Good \$20,800 / \$29,200 (May include accommodation)	ACC, RRC, UCN, NIAT. On the job training.	Grade 12.
Occupations Unique to the Armed Forces (NOC 6464) Employed — 1,895 Canadian Armed Forces.	Operate armoured vehicles, ships, artillery, hand held weapons, aircraft and other military combat equipment. Engage in peacekeeping operations. Provide aid in emergency situations. Engage in drills and other training in preparation for peacekeeping, combat and natural disaster relief duties. Perform administrative and guard duties.	Very Good \$31,000 / \$54,600	On the job training.	Grade 12.
Pet Groomers/Animal Care Worker (NOC 6483) Employed — 325 Animal hospitals and clinics, shelters, zoos, kennels, pet grooming services, research laboratories. Shift work.	Prepare food and feed animals. Clean and disinfect equipment and animal areas. Assist veterinarians and animal health technologists to inoculate and treat animals. Assist scientists and researchers in conducting lab tests with animals. May be required to groom pets.	Good \$18,800 / \$23,700	RRC, RC. On the job training.	Grade 12.

Job Information	Job Description	Job Outlook and Starting/Average Wage	Training and Education Routes	High School/Technical/Vocational Programs Recommended
Police Officer (NOC 6261) Employed — 2,705 Cities and towns, federal and provincial governments, tribal councils. Irregular hours, shift work.	Protect the public, detect and prevent crime. Direct road traffic. Patrol assigned areas, investigate crimes and accidents, arrest suspects. Provide emergency assistance to victims of accidents, crimes and natural disasters.	Very Good \$37,700 / \$63,800	On the job training RCMP – RCMP Academy Depot admission pending hire (Regina) Winnipeg Police Service, Brandon Police Service. Related law enforcement programs are offered at ACC, BU, UCN, UM, UW, LEST, NLEA, NIAT.	Grade 12.
Retail Salesperson/Clerk (NOC 6421) Employed — 21,770 Retail stores, wholesalers. PT. Shift work. Work may include evenings and weekends.	Assist customers to select products, receive payment, operate cash register. May demonstrate use of product.	Very Good \$18,800 / \$31,700	ACC, USB, UCN, MTEC, RRC, HC, PUC. On the job training.	Grade 12.
Security Guard (NOC 6651) Employed — 3,145 Private security agencies, retail stores, hospitals, airports, nightclubs. Shift work. PT.	Control access to establishment and patrol assigned area against theft and vandalism. Direct visitors to appropriate areas. Enforce policies of an establishment to maintain order.	Good \$19,200 / \$27,100	RRC, UCN, RC, ATEC, LEST, NLEA.	Grade 12.
Service Station Attendant (NOC 6621) Employed — 1,895 Automotive, marine service and gas stations. PT. Work may include evenings and weekends.	Sell fuel and other automotive products and perform such services as fuelling, cleaning, lubricating and performing minor repairs to motor vehicles. Perform minor property maintenance duties. May pick up and deliver customers' cars for service station automotive repair department. May provide dock services for boats.	Good \$18,800 / \$20,400	On the job training.	Grade 12. Mechanics. ACS, ATC, CPRS, DRCS, GVC, HBO, HPC, KEC, LSRS, MCI, MC, MMC, RBR, RDP, RVS, SRS, SVRS, TVH, VC, WTC.
Technical Sales Specialist (NOC 6221) Employed — 1,330 Pharmaceutical companies, computer services firms, engineering firms, industrial equipment manufacturing companies.	Promote a particular line of goods or services to existing and potential clients. Assess clients' needs and resources. Develop reports and proposals as part of sales presentation. Prepare and administer sales contracts.	Very Good \$37,600 / \$56,000 (May receive commission, bonus or car allowance)	UM, UW, UCN, CMU. On the job training.	Grade 12
Telemarketer (NOC 6623) Employed — 1,765 Retail and wholesale companies, charitable organizations, call centres. PT. Irregular hours.	Contact businesses and private individuals by telephone to sell goods and services. May distribute sales orders to other workers for further processing.	Limited \$18,800 / \$25,100	RRC, AL, CDI, HC, MCCA On the job training.	Grade 12.
Transportation Sales/Service Agent (NOC 6433/6434) Employed — 530 / 485 Airlines, bus transport companies, railways.	Make reservations, sell tickets for travel and arrange for shipping of parcels. Provide rates and schedule information.	Good \$23,000 / \$41,800	On the job training.	Grade 12.
Travel Counsellor (NOC 6431) Employed — 790 Travel agencies, transportation and tourism firms, hotel chains. Work may include evenings and weekends.	Plan travel itineraries, provide tickets, reserve hotel rooms for customers. Advise travellers. May arrange tours.	Limited \$21,000 / \$31,200	RRC, RC. On the job training.	Grade 12.
Visiting Homemaker (NOC 6471) Employed — 5,500 Governments, home care agencies, self employed. PT. Shift work. Work may include evenings and weekends.	Look after individuals and families during times of illness, convalescence or some other family disruption. May look after infants and children or persons who are chair or bedridden. Perform routine housekeeping duties and prepare meals.	Good \$20,800 / \$26,500	ACC, RRC, UCN, HC, RC.	Grade 12. Health/Child Care Occupations. HBO, CPRS, MCI, MMAC, RBR, RVS, SHC, SRS, TVH, WKC.
Waiter/Waitress (NOC 6453) Employed — 7,320 Restaurants, hotels, clubs, bars. Irregular hours, shift work. PT.	Take orders and serve food and beverages. May arrange tables. May greet customers. Present bill. May take payment.	Very Good \$18,800 / \$23,200 (Not including tips)	ATEC, MTEC. On the job training.	Grade 12. Food and Hospitality Services. DRCS, KEC, LSRS, MCI, RBR, SHC, SRS, SVRS, TVH, WCM, WKC, WTC.

TRADES, TRANSPORT AND EQUIPMENT OPERATORS

Air Transport Ramp Attendant (NOC 7437) Employed — 360 Airline transport companies. Shift work.	Drive and operate vehicles such as food service trucks, aircraft towing tractors and lavatory service trucks at airports. Handle baggage, load and unload freight and perform other ground support duties.	Good \$21,600 / \$31,800	Driver's license usually required. On the job training	Grade 12.
Aircraft Maintenance Journeyman (NOC 7315) Employed — 1,115 Air transport firms, aerospace manufacturers, airport services, governments.	Service, repair and overhaul aircraft engines, airframe and accessories of small or large airplanes.	Limited \$49,770 / \$55,650	Apprenticeship: Combination of in-school and on the job training. Apprenticeship training and Certification in the trade is voluntary. Contact Apprenticeship Manitoba for more information. Federal Licensing is required. Other Training: SAATC.	Grade 12. Mechanics. High School Apprenticeship Program. ACS, ATC, CPRS, DRCS, GVC, HBO, HPC, KEC, LSRS, MCI, MC, MMC, RBR, RDP, RVS, SRS, SVRS, TVH, VC, WTC.
Automotive Services Technician (NOC 7321) Employed—5,920 Auto dealerships, service stations automotive repair shops, urban transit systems.	Repair and overhaul cars, and other vehicles. May specialize in exhaust systems, electronic systems, transmissions, alignments, etc. May estimate repair costs.	Very Good \$36,750 / \$49,350	Apprenticeship: Combination of in-school and on the job training. Interprovincial/Red Seal endorsed Certificate of Qualification issued. Apprenticeship training and Certification in the trade is voluntary. Contact Apprenticeship Manitoba for more information.	Grade 12. High School Apprenticeship Program. Mechanics. ACS, ATC, CPRS, DRCS, GVC, HBO, HPC, KEC, LSRS, MCI, MC, MMC, RBR, RDP, RVS, SRS, SVRS, TVH, VC, WTC.
Bricklayer (NOC 7281) Employed — 340 Construction contractors, self employed. Seasonal.	Prepare and lay brick, stone, concrete block, tile, marble, etc., using chisels, hammers, trowels, levers and other hand tools.	Good (Project based) \$34,965 / \$43,691	Apprenticeship: Combination of in-school and on the job training. Interprovincial/Red Seal endorsed Certificate of Qualification issued. Apprenticeship training and Certification in the trade is voluntary. Contact Apprenticeship Manitoba for more information.	Grade 12. High School Apprenticeship Program. Building and Trades Technology. ATC, CPRS, DRCS, HBO, KEC, LS, MMC, PC, RBR, RDP, SRS, TVH, WCM.

Job Information	Job Description	Job Outlook and Starting/Average Wage	Training and Education Routes	High School/Technical/Vocational Programs Recommended
Bus Driver (NOC 7412) Employed — 2,935 Municipal governments, private transportation companies, school divisions. Shift work. Irregular hours. PT.	Drive buses to transport passengers to local or long distance destinations. Provide passengers with information on fares and schedules. Transport children between school and home.	Very Good \$26,300 / \$35,700	Class 2 or 4 license required. May need Air Brake endorsement. On the job training.	Grade 12.
Cabinetmaker (NOC 7272) Employed — 1,035 Furniture manufacturers, construction companies, custom cabinet shops, self employed.	Build furniture, cabinetry and architectural millwork from a variety of natural and manufactured materials using hand and power tools.	Limited \$36,036 / \$50,400	Apprenticeship: Combination of in-school and on the job training. Interprovincial/Red Seal endorsed Certificate of Qualification issued. Apprenticeship training and Certification in the trade is voluntary. Contact Apprenticeship Manitoba for more information. Other Training: ACC, UCN.	Grade 12. High School Apprenticeship Program. Building and Trades Technology. ATC, CPRS, DRCS, HBO, KEC, LS, MMC, PC, RBR, RDP, SRS, TVH, WCM.
Carpenter (NOC 7271) Employed — 4,865 Construction contractors, wood product manufacturers, maintenance departments of large institutions and factories, governments, self employed. Seasonal.	Assemble wood products to be used in buildings and structures. Construct buildings by assembling frameworks and forms, walls, roofs and exterior finishes; installing doors, windows, flooring, cabinets, stairs, handrails, paneling, molding and ceiling tiles. Construct structures including scaffolding, bridges, trestles, tunnels, shelters, towers.	Good \$39,270 / \$58,863	Apprenticeship: Combination of in-school and on the job training. Interprovincial/Red Seal endorsed Certificate of Qualification issued. Apprenticeship training and Certification in the trade is voluntary. Contact Apprenticeship Manitoba for more information. Other Training: ATEC, NIAT.	Grade 12. High School Apprenticeship Program. Building and Trades Technology. ATC, CPRS, DRCS, HBO, KEC, LS, MMC, PC, RBR, RDP, SRS, TVH, WCM.
Carpet Layer/ Floorcovering Installer (NOC 7295) Employed — 680 Construction companies, floor covering contractors, carpet stores, self employed.	Install carpet, hardwood, linoleum, vinyl and other floor coverings in buildings with glue, staples or nails. Measure and cut materials.	Good \$38,220/ \$49,140	Apprenticeship: Combination of in-school and on the job training. Interprovincial/Red Seal endorsed Certificate of Qualification issued. Apprenticeship training and Certification in the trade is voluntary. Contact Apprenticeship Manitoba for more information.	Grade 12. High School Apprenticeship Program.
Communications Equipment Repairer/Installer (NOC 7246) Employed — 790 Telephone companies, telecommunications transmission services companies.	Install and repair equipment such as cellular phones, telephone lines and switchboards, computerized data transmission systems and facsimile transmission equipment (FAX).	Good \$31,200 / \$53,300	RRC, AAC, UCN. On the job training.	Grade 12. Physics 40S recommended. Electrical/Electronics. CPRS, DRCS, KEC, LSRS, SHC, SRS, SVRS, TVH, WTC.
Construction Craft Worker (NOC 7611) Employed — 4,880 Construction contractors, governments, building maintenance companies. Seasonal.	Assist skilled tradespersons, carry materials and perform general labour activities at construction sites.	Good (Project-based) \$45,000 / \$55,000	Apprenticeship: Combination of in-school and on the job training. Interprovincial/Red Seal endorsed Certificate of Qualification issued. Apprenticeship training and Certification in the trade is voluntary. Contact Apprenticeship Manitoba for more information. ACC, RRC, UCN, ATEC. Manitoba Heavy Construction Association.	Grade 12. High School Apprenticeship Program. Building and Trades Technology. ATC, CPRS, DRCS, HBO, KEC, , LS, MMC, PC, RBR, RDP, SRS, TVH, WCM.
Construction Electrician (NOC 7241) Employed — 2,275 Construction contractors, electric utilities, governments, self-employed. Seasonal.	Lay out, assemble, install and maintain electrical fixtures, apparatus, control equipment and wiring used in electrical systems in new and existing buildings and structures.	Good (Project-based) \$50,820 / \$61,530	Apprenticeship: Combination of in-school and on the job training. Interprovincial/Red Seal endorsed. Certificate of Qualification issued and is compulsory to legally work in this trade in Manitoba. Contact Apprenticeship Manitoba for more information. Other training: ATEC, WTC, TVH, ACC, ATC.	Grade 12. High School Apprenticeship Program. Electrical/Electronics. ATC, CPRS, DRCS, KEC, LSRS, SHC, SRS, SVRS, TVH.
Crane and Hoisting Equipment Operator (NOC 7371) Employed — 395 Construction contractors, industrial cargo handling companies. Seasonal. Shift work.	Operate cranes to lift, move, position or place machinery, equipment and other large objects at construction or industrial sites, ports, railway yards, offshore drilling rigs, and other locations.	Good (Project-based) \$52,395 / \$105,000	Apprenticeship: Combination of in-school and on the job training. Interprovincial/Red Seal endorsed. Certificate of Qualification issued and is compulsory to legally work in this trade in Manitoba. Contact Apprenticeship Manitoba for more information. Other Training: OETIM.	Grade 12. High School Apprenticeship Program.
Delivery Driver (NOC 7414) Employed — 3,100 Couriers, take out restaurants, dairies, newspapers. PT. Work may include evenings and weekends.	Drive light trucks, vans or other motor vehicles to pick up and deliver various products such as newspapers, dairy products, drugstore items, dry cleaning, pizzas and groceries. May be required to own vehicle.	Very Good \$20,800 / \$30,700	Driver's license required. On the job training.	Grade 12.
Forklift Operator/Material Handler (NOC 7452) Employed — 5,350 Retailers, wholesalers, manufacturers, transportation, storage and moving companies.	Drive industrial trucks equipped with various attachments to move materials to and from storage areas and to place materials in designated locations. Move materials by hand.	Good \$21,100 / \$33,600	Manitoba Safety Council, Opportunities for Employment On the job training.	Grade 12.
Heavy Duty Equipment Technician/Agricultural Equipment Technician (NOC 7312) Employed — 1,805 Heavy construction companies, major trucking firms, railways, construction, farm equipment, mining and truck dealerships. Shift work.	Service and repair heavy vehicles and mobile equipment such as cranes, diesel trucks, power shovels, scrapers, graders, powered conveyors, bulldozers, farm equipment, and transport trailers. May prepare estimate of repair costs.	Good \$41,580 / \$56,784	Apprenticeship: Combination of in-school and on the job training. Interprovincial/Red Seal endorsed Certificate of Qualification issued. Apprenticeship training and Certification in the trade is voluntary. Contact Apprenticeship Manitoba for more information. Other Training: ACC, ATEC, WTC.	Grade 12. High School Apprenticeship Program. Mechanics. ACS, ATC, CPRS, DRCS, GVC, HBO, HPC, KEC, LSRS, MCI, MC, MMC, RBR, RDP, RVS, SRS, SVRS, TVH, VC, WTC.
Heavy Equipment Operator (NOC 7421) Employed — 2,385 Construction companies, heavy equipment contractors, public works departments. Seasonal. Shift work.	Operate heavy equipment such as bulldozers and graders. May use equipment to excavate and move rock, earth and gravel during construction or in snow removal. Lay, spread or compact concrete and asphalt during road construction.	Very Good (Project based) \$31,200 / \$38,800	ATEC, IST, OETIM, UCN, Manitoba Heavy Construction Association. On the job training.	Grade 12.
Industrial Electrician (NOC 7242) Employed — 680 Electrical contractors, mining companies, maintenance departments of large institutions and factories. Shift work.	Install, test and repair industrial electrical equipment, wirings, conduits and other components. Maintain industrial, electrical and electronic control systems and devices.	Good \$58,530 / \$67,200	Apprenticeship: Combination of in-school and on the job training. Interprovincial/Red Seal endorsed Certificate of Qualification issued and is compulsory to legally work in this trade in Manitoba. Contact Apprenticeship Manitoba for more information. Other training: ATC, RRC, UCN, WTC.	Grade 12. High School Apprenticeship Program. Electrical/Electronics. ATC, CPRS, DRCS, KEC, LSRS, SHC, SRS, SVRS, TVH, WTC.

Job Information	Job Description	Job Outlook and Starting/Average Wage	Training and Education Routes	High School/Technical/Vocational Programs Recommended
Interior Systems Mechanic (Lather) (NOC 7284) Employed — 1,310 Construction contractors, self employed. Seasonal.	Assemble and install support framework for ceiling systems, interior and exterior walls and building partitions. Tape, install, and sand drywall.	Good (Project based) \$40,110/ \$54,600	Apprenticeship: Combination of in-school and on the job training. Interprovincial/Red Seal endorsed Certificate of Qualification issued. Apprenticeship training and Certification in the trade is voluntary. Contact Apprenticeship Manitoba for more information.	Grade 12. High School Apprenticeship Program. Building and Trades Technology. ATC, CPRS, DRCS, HBO, KEC, LS, MMC, PC, RBR, RDP, SRS, TVH, WCM.
Machinist (NOC 7231) Employed — 1,525 Railways, machine shops, transport equipment and machinery manufacturers. Shift work.	Set up and operate metal cutting and grinding machines and tools to manufacture and repair parts and products made from metals, plastics, rubber textiles, fibreglass and space age alloys. May apply computerized numerical control (CNC) using knowledge of metallurgy and blueprint reading.	Good \$37,800 / \$54,600	Apprenticeship: Combination of in-school and on the job training. Interprovincial/Red Seal endorsed Certificate of Qualification issued. Apprenticeship training and Certification in the trade is voluntary. Contact Apprenticeship Manitoba for more information. Other training available at ACC, NIAT, WTC.	Grade 12. High School Apprenticeship Program. Machining Technology. DRCS, LSRS, TVH, WTC.
Millwright/Industrial Mechanic (NOC 7311) Employed — 1,570 Construction contractors, manufacturing firms, mining companies, pulp and paper mills. Shift work.	Install, maintain and repair industrial machinery and equipment using knowledge of metallurgy, welding, machining, electronics and blueprint reading.	Very Good \$49,424 / \$60,900	Apprenticeship: Combination of in-school and on the job training. Interprovincial/Red Seal endorsed Certificate of Qualification issued. Apprenticeship training and Certification in the trade is voluntary. Contact Apprenticeship Manitoba for more information. Other training: WTC.	Grade 12. High School Apprenticeship Program (Industrial Mechanic). Mechanics. ACS, ATC, CPRS, DRCS, GVC, HBO, HPC, KEC, LSRS, MCI, MC, MMC, RBR, RDP, RVS, SRS, SVRS, TVH, VC, WTC.
Motor Vehicle Body Repairer (NOC 7322) Employed — 1,445 Autobody repair shops, auto dealerships, urban transit systems.	Examine and repair damaged motor vehicle bodies. Straighten frames, repair dents, weld, replace parts, sand and spray paint surfaces. May prepare estimate of repair costs.	Very Good \$36,750 / \$36,400	Apprenticeship: Combination of in-school and on the job training. Interprovincial/Red Seal endorsed Certificate of Qualification issued. Apprenticeship training and Certification in the trade is voluntary. Contact Apprenticeship Manitoba for more information. Other training available at ACC, UCN.	Grade 12. High School Apprenticeship Program. Autobody. KEC, LSRS, MCI, MS, RBR, RDP, SJC, WTC.
Painter and Decorator (NOC 7294) Employed — 1,450 Construction contractors, building maintenance firms, painting contractors, governments, self employed. PT. Shift work.	Paint, stain or varnish inside and outside surfaces of buildings and other structures. Apply wallpaper and decorative wall coverings.	Good \$34,545 / \$46,956	Apprenticeship: Combination of in-school and on the job training. Interprovincial/Red Seal endorsed Certificate of Qualification issued. Apprenticeship training and Certification in the trade is voluntary. Contact Apprenticeship Manitoba for more information.	Grade 12. High School Apprenticeship Program. Building and Trades Technology. ATC, CPRS, DRCS, HBO, KEC, LS, MMC, PC, RBR, RDP, SRS, TVH, WCM.
Plumber (NOC 7251) Employed — 1,585 Construction contractors, plumbing and heating companies, manufacturing firms, governments, self employed. Seasonal. Irregular hours.	Install and repair pipe systems, fixtures and fittings used for water and waste water disposal, and for gas distribution.	Good \$47,502 / \$64,050	Apprenticeship: Combination of in-school and on the job training. Interprovincial/Red Seal endorsed Certificate of Qualification issued. Apprenticeship training and Certification in the trade is voluntary. Contact Apprenticeship Manitoba for more information. Other Training: RRC.	Grade 12. High School Apprenticeship Program. Building and Trades Technology. ATC, CPRS, DRCS, HBO, KEC, LS, MMC, PC, RBR, RDP, SRS, TVH, WCM.
Power Engineer/Stationary Engineer (NOC 7351) Employed — 670 Industrial and manufacturing plants, hospitals, universities, governments, utilities, shopping malls. Shift work.	Operate and maintain various engines and auxiliary equipment to provide heat, light, and power for commercial, industrial, and institutional buildings and other work sites.	Very Good (Class 1 and Class 2) \$33,800 / \$54,300	ACC, RRC, NIAT. On the job training. Apprenticeship training and Certification in the trade is voluntary. Provincial certification according to the class of plant being operated is required.	Grade 12. Applied Math 40S or Pre Calculus Math 40S. Physics 30S or Chemistry 30S.
Power Line Installer/Repairer (NOC 7244) Employed — 585 Electric utilities. Shift work. Irregular hours.	Construct and repair electrical power lines, transformers and related equipment. Inspect and test power lines and cables, adhering to safety practices and procedures.	Good \$33,200 / \$61,700	Manitoba Hydro Trades Training Centre. On the job training.	Grade 12. Physics 30S or Chemistry 30S.
Power Electrician (NOC 7243) Employed — 235 Electric power generation companies. Shift work.	Construct and maintain electrical, plant, equipment and line structures associated with the transmission and supply of electrical power.	Very Good \$57,540 / \$65,520	Apprenticeship: Combination of in-school and on the job training. Contact Apprenticeship Manitoba for more information. Other Training: ATC.	Grade 12. High School Apprenticeship Program. Electrical/Electronics. ATC, CPRS, DRCS, KEC, LSRS, SHC, SRS, SVRS, TVH, WTC.
Printing Press Operator (NOC 7381) Employed — 730 Printing and publishing firms.	Set up and operate sheet and web fed presses to print on paper, plastic, sheet metal and other materials. Monitor regular press runs for quality and consistency.	Limited \$25,100 / \$40,300	RRC. On the job training.	Grade 12.
Public Works Maintenance Equipment Operator (NOC 7422) Employed — 490 Public works departments of federal, provincial and local governments, private contractors. Seasonal. Shift work. Irregular hours.	Drive heavy street cleaning and snow removal equipment, garbage trucks, salting and sanding trucks and other vehicles to clean and maintain streets and highways, sewer systems. Collect and dispose of garbage.	Good \$26,000 / \$37,600	Driver's license required. UNC, ATEC, Manitoba Heavy Construction Association. On the job training.	Grade 12. Mechanics. ACS, ATC, CPRS, DRCS, GVC, HBO, HPC, KEC, LSRS, MCI, MC, MMC, RBR, RDP, RVS, SRS, SVRS, TVH, VC, WTC.
Railway and Yard Locomotive Engineer (NOC 7361) Employed — 400 Railway transport companies. Shift work.	Operate railway locomotives to transport passengers and freight on railways. May also perform switching operations. Inspect assigned locomotives and test operating controls and equipment.	Limited \$52,000 / \$74,200	On the job training.	Grade 12.
Refrigeration and Air Conditioning Mechanic (NOC 7313) Employed — 695 Air conditioning contractors, refrigeration equipment dealers, truck transportation firms, storage warehouses.	Install and repair components of residential and commercial refrigerating and air conditioning systems. Install residential heating, ventilating, and air conditioning equipment.	Good \$49,140 / \$60,690	Apprenticeship: Combination of in-school and on the job training. An Interprovincial/Red Seal endorsed Certificate of Qualification is issued and is compulsory to legally work as a Commercial Refrigeration and Air Conditioning Mechanic in Manitoba. A Provincial Certificate of Qualification is issued and is compulsory to legally work as a Residential Refrigeration and Air Conditioning Mechanic in Manitoba. Contact Apprenticeship Manitoba for more information. Other Training: RRC.	Grade 12. High School Apprenticeship Program. Heating/Ventilation/Air Conditioning. KEC.

Job Information	Job Description	Job Outlook and Starting/Average Wage	Training and Education Routes	High School/Technical/Vocational Programs Recommended
Roofer/Shingler (NOC 7291) Employed — 580 Roofing contractors, self employed. Seasonal.	Roofers install sheet metal flashings, hot asphalt and gravel, and waterproof sheet materials on flat roofs. Shinglers install asphalt and wood shingles or shakes (roofing tiles) on sloped roofs of buildings.	Good \$30,975 / \$45,150	Apprenticeship: Combination of in-school and on the job training. Interprovincial/Red Seal endorsed Certificate of Qualification issued. Apprenticeship training and Certification in the trade is voluntary. Contact Apprenticeship Manitoba for more information. RRC and Shingler's Association (joint program)	Grade 12. High School Apprenticeship Program. Building and Trades Technology. ATC, CPRS, DRCS, HBO, KEC, LS, MMC, PC, RBR, RDP, SRS, TVH, WCM.
Sheet Metal Worker (NOC 7261) Employed — 705 Construction, bus, farm equipment and aircraft manufacturers, metal fabricators, railways. Shift work.	Fabricate and install construction related items using sheet metal or plastic materials, including ventilation systems, roofing, siding, eavestroughing and other products.	Good \$45,675 / \$57,960	Apprenticeship: Combination of in-school and on the job training. Interprovincial/Red Seal endorsed Certificate of Qualification issued. Apprenticeship training and Certification in the trade is voluntary. Contact Apprenticeship Manitoba for more information. Other training: ACC	Grade 12. High School Apprenticeship Program. Building and Trades Technology. ATC, CPRS, DRCS, HBO, KEC, LS, MMC, PC, RBR, RDP, SRS, TVH, WCM.
Small Engine Repairer (NOC 7335) Employed — 270 Retail and wholesale stores, small engine repair shops, self employed. Seasonal.	Repair and maintain engines in snowmobiles, lawnmowers, outboard motors, chain saws, snow blowers.	Good \$25,500 / \$35,500	RRC. On the job training.	Grade 12. Mechanics. ACS, ATC, CPRS, DRCS, GVC, HBO, HPC, KEC, LSRS, MCI, MC, MMC, RBR, RDP, RVS, SRS, SVRS, TVH, VC, WTC.
Sprinkler System Installer (NOC 7252) Employed — 320 (in combination with Steamfitter/Pipefitter) Construction contractors, heating, air conditioning and ventilation companies, self employed.	Assemble, install, test, maintain, and repair sprinkler systems and components installed in buildings for fire protection. These include a variety of water, foam, carbon dioxide and dry chemical sprinkler and fire protection systems.	Good \$60,900 / \$73,710	Apprenticeship: Combination of in-school and on the job training. An Interprovincial/Red Seal endorsed Certificate of Qualification is issued and is compulsory to legally work in this trade in Manitoba. Contact Apprenticeship Manitoba for more information. Other training: ACC	Grade 12. High School Apprenticeship Program. Building and Trades Technology. ATC, CPRS, DRCS, HBO, KEC, LS, MMC, PC, RBR, RDP, SRS, TVH, WCM.
Steamfitter/Pipefitter (NOC 7252) Employed — 320 (in combination with Sprinkler System Installer) Large manufacturers, hospitals, power generating plants, construction contractors, heating, air conditioning and ventilation companies, self employed. Shift work.	Lay out, assemble, maintain and repair piping systems carrying water, steam, chemicals, and fuel in heating, cooling, and other process piping systems.	Good \$49,980 / \$73,710	Apprenticeship: Combination of in-school and on the job training. An Interprovincial/Red Seal endorsed Certificate of Qualification is issued and is compulsory to legally work in this trade in Manitoba. Contact Apprenticeship Manitoba for more information. Other training: ACC	Grade 12. High School Apprenticeship Program. Building and Trades Technology. ATC, CPRS, DRCS, HBO, KEC, LS, MMC, PC, RBR, RDP, SRS, TVH, WCM.
Taxi/Limousine Driver (NOC 7413) Employed — 1,410 Taxi and limousine companies, transportation services companies, self employed. Shift work.	Pick up passengers and drive them to their destinations. Assist passengers with luggage and in boarding vehicle. Collect and record fares from customers. Maintain contact with dispatch unit.	Good \$18,800 / \$24,700 (Not including tips)	Manitoba Infrastructure and Transportation requires: Class 4, 3, 2 or 1 driving license, Record Review Certificate, English Language Assessment Test, and Taxicab Driver Training Program/Limousine/Executive Driver Exam.	Grade 12.
Tool and Die Maker (NOC 7232) Employed — 245 Aircraft and farm equipment manufacturers, metal fabricators. Shift work.	Build and repair dies, jigs and special tools that are used in metal manufacturing, using a variety of hand and machine tools. May apply computerized numerical control (CNC) using knowledge of metallurgy and blueprint reading.	Good \$45,465 / \$55,650	Apprenticeship: Combination of in-school and on the job training. Interprovincial/Red Seal endorsed Certificate of Qualification issued. Apprenticeship training and Certification in the trade is voluntary. Contact Apprenticeship Manitoba for more information.	Grade 12. High School Apprenticeship Program. Machining Technology. DRCS, LSRS, TVH, WTC.
Tractor Trailer/Truck Driver (NOC 7411) Employed — 12,185 Transportation companies, moving companies, distribution companies and manufacturers, self employed. Irregular hours.	Operate heavy trucks to transport goods and materials to their destinations. Oversee functions of vehicles such as loading and unloading of cargo. Keep records.	Very Good \$30,900 / \$39,900 (Wages may vary if mileage rates apply)	ABTA, FED, GTT, LRDS, MTC, PTDT, UTDT, ATEC. Manitoba Class 1 and 2 driving License with Air Brake endorsement required.	Grade 12.
Upholsterer (NOC 7341) Employed — 320 Furniture manufacturers, furniture stores, aircraft maintenance, small upholstery shops, self employed.	Manufacture, repair and rebuild upholstered furniture and seats.	Good \$24,500 / \$27,000	On the job training.	Grade 12.
Welder (NOC 7265) Employed — 3,565 Metal fabricators, machinery manufacturers, transport equipment manufacturers, welding shops. Shift work.	Use welding, soldering, brazing or cutting equipment to join, mould, shape or cut metal parts.	Good \$29,100 / \$38,200	Apprenticeship: Combination of in-school and on the job training. Interprovincial/Red Seal endorsed Certificate of Qualification issued. Apprenticeship training and Certification in the trade is voluntary. Contact Apprenticeship Manitoba for more information. Other training: ATEC, NIAT.	Grade 12. High School Apprenticeship Program. Welding. CSJB, CPRS, DRCS, LSRS, RBR, SHC, SRS, TVH, WTC. Machining Technology. DRCS, LSRS, TVH, WTC.

PRIMARY INDUSTRY

Farm/Hog Barn Manager NOC 8251) Employed — 18,675 Corporate farms, self employed. shift work, irregular hours.	Manage the operations of a farm. Oversee the growing of crops or the care and breeding of livestock, poultry and other animals. Supervise farm workers. Maintain quality control and production records.	Good \$30,000 / \$35,100	UM (Degree/Diploma in Agriculture), ACC. Manitoba Pork Council. On the job training.	Grade 12. Agriculture. FBC, GVC, SRS.
Farm Worker (NOC 8431) Employed — 9,185 Grain, vegetable, fruit, dairy, livestock farms. Seasonal. Irregular hours. Shift work.	Feed animals, clean barns, cut and bale hay, breed animals, collect eggs, milk. Care for animals, train horses, treat health problems, keep records, load animals for shipping. Operate farm machinery to plant, cultivate and harvest crops.	Good \$21,600 / \$27,500 (Some employers provide room and board)	Manitoba Pork Council. On the job training.	Grade 12. Agriculture. FBC, GVC, SRS.
Fisherman/Woman (Fisher) (NOC 8262) Employed — 425 Self employed. Irregular hours. Seasonal.	Operate fishing vessel to catch fish. Select area for fishing, plot courses. Steer vessel and operate navigational instruments. Operate fishing gear. Keep records. May transport fish to processing plants or fish buyers.	Good (Variable)	Commercial fishing license is required. On the job training.	Grade 12.
Forestry/Silviculture Worker (NOC 8422) Employed — 100 Logging companies, tree nurseries, contractors, government services. Seasonal.	Assess sites, select seedlings and plant trees. Control weeds and undergrowth using manual tools and chemicals. Use power saw to thin and space trees. Operate skidder, bulldozer or other equipment to move a variety of site preparation equipment. Assist in fighting forest fires.	Limited \$23,400 / \$30,900	UCN, UM, Manitoba Dept. of Conservation (fire-fighting) On the job training.	Grade 12.

Job Information	Job Description	Job Outlook and Starting/Average Wage	Training and Education Routes	High School/Technical/Vocational Programs Recommended
Landscape/Grounds Maintenance Contractor (NOC 8255) Employed — 300 Landscaping companies, lawn care companies, greenhouses, parks, golf courses, governments, self employed. Seasonal.	Plan, organize and direct the activities of landscaping, interior plantscaping, lawn care establishments. Tender bids on contracts for landscaping and grounds maintenance work, patios, driveways, decks and fences.	Good \$22,900 / \$34,300	UM, ACC, RRC. On the job training.	Grade 12. Landscaping and Gardening. RBR.
Landscape Maintenance Worker (NOC 8612) Employed — 3,640 Landscaping companies, lawn care companies, greenhouses, parks, golf courses, governments, self employed. Seasonal. Shift work.	Spread top soil, lay sod, plant flowers, grass, shrubs and trees. Cut grass, rake, fertilize and water lawns, weed gardens, prune shrubs and trees. Spray and dust trees, shrubs, lawns and gardens to control insects and disease. Operate power mowers, tractors, snow blowers, chainsaws and other landscape equipment.	Good \$20,800 / \$28,000	ACC, RRC. On the job training	Grade 12. Landscaping and Gardening. RBR.
Nursery and Greenhouse Worker (NOC 8432) Employed — 610 Indoor and outdoor nurseries and greenhouses. Seasonal.	Prepare soil, plant bulbs, seeds and cuttings. Spray trees, shrubs, flowers and plants to prevent disease and pests. Regulate irrigation systems. Provide information to customers on gardening and plant care. May operate tractors and other machinery and equipment to fertilize, cultivate, harvest and spray fields and plants.	Good \$18,800 / \$23,300	UM, ACC, RRC. On the job training.	Grade 12. Landscaping and Gardening. RBR.
Pork Production Technician (NOC 8253) Employed — 535 Specialized farms. Shift work. Irregular hours.	Provide care for piglets and hogs in breeding, farrowing and feeder stages. Provide treatments and vaccinations. Perform artificial insemination. Prepare for shipping. Keep records. Maintain facility.	Good \$24,100 / \$30,600	Apprenticeship: Combination of in-school and on the job training. Apprenticeship training and certification in the trade is voluntary. Contact Apprenticeship Manitoba for more information. Other Training: UM, RRC. Manitoba Pork Council and ACC and UM (joint training)	Grade 12. Agriculture. High School Apprenticeship Program FBC, GVC, SRS.
Underground Miner (NOC 8231) Employed — 855 Mining companies. Shift work.	Drill, blast, operate mining machinery in extracting mineral ores. Maintain mining equipment.	Limited \$49,900 / \$58,300 (Bonus not included)	B.C. Institute of Technology, Cambrian College (Ontario), Saskatchewan Institute of Applied Science and Technology On the job training.	Grade 12.
Underground Mine Support Worker (NOC 8411) Employed — 215 Mining companies. Shift work.	Operate equipment to build and maintain underground passages, chutes and conveyor systems. Construct and repair supports. Assist miners in setting up equipment. Perform basic maintenance on equipment.	Limited \$37,500 / \$47,400 (Bonus not included)	On the job training.	Grade 12.

PROCESSING, MANUFACTURING AND UTILITIES

Aircraft Assembler (NOC 9481) Employed — 400 Aircraft and aircraft sub assembly manufacturers. Shift work.	Assemble, fit and install aircraft skins, frames and other structural parts on aircraft. Install mechanical systems such as flight controls, rigging and hydraulics. May assemble and fit prefabricated parts to form subassemblies.	Good \$31,000 / \$45,700	RRC, NIAT. On the job training.	Grade 12.
Electronic Assembler/ Fabricator (NOC 9483) Employed — 645 Electronics manufacturers. Shift work.	Assemble and fabricate electronic equipment, parts and components. Operate automatic and semiautomatic machines to position and solder the parts to circuit boards. May also assemble microcircuits requiring the use of microscopes and fine hand assembly.	Limited \$19,300 / \$27,300	RRC, UCN. On the job training.	Grade 12. Electrical/Electronics. CPRS, DRCS, KEC, LSRS, SHC, SRS, SVRS, TVH, WTC.
Furniture Assembler (NOC 9492) Employed — 1,900 Furniture manufacturing companies. Shift work.	Operate hand and power tools to assemble furniture and fixtures made of wood, metal, cane, plastic and other materials.	Limited \$22,400 / \$27,000	On the job training.	Grade 12.
Industrial Butcher (NOC 9462) Employed — 1,755 Meat and poultry slaughterhouses, processing and packing plants. Shift work.	Prepare meat and poultry for further processing, for packaging or for marketing. May kill livestock. Cut, debone, remove inedible parts.	Good Very Good in South West Manitoba \$22,600 / \$29,000	On the job training	Grade 12.
Mechanical Assembler (NOC 9486) Employed — 760 Manufacturers of trucks, buses, transmissions, farm equipment, and heavy electrical equipment. Shift work.	Assemble, fit, and install pre-fabricated parts to form subassemblies, automotive engines or transmissions. Operate and tend assembling equipment such as robotics. Fasten parts and finish products using hand and power tools.	Good \$26,800 / \$37,200	RRC. On the job training.	Grade 12. Mechanics. ACS, ATC, CPRS, DRCS, GVC, HBO, HPC, KEC, LSRS, MCI, MC, MMC, RBR, RDP, RVS, SRS, SVRS, TVH, VC, WTC.
Sewing Machine Operator (NOC 9451) Employed — 1,725 Clothing and furniture manufacturers, furriers. PT.	Operate single or multiple needle sewing machine to join, gather, hem, reinforce, decorate or attach fasteners to products such as garments, gloves, hats, awnings, carpets, bags, upholstery and fur goods.	Limited \$19,300 / \$21,400	On the job training.	Grade 12. Fashion Technology. MMC.
Water Purification and Waste Plant Operator (NOC 9424) Employed — 315 Local government and municipal water utilities. Shift work.	Control pumping, filtering and chemical treating equipment that processes water to make it available for domestic and industrial use. May have similar duties related to sewage treatment.	Good \$30,500 / \$42,400	Not apprentice-able. RRC. On the job training.	Grade 12. Environmental Technology. Certification by Manitoba Conservation SVRS.
Woodworking Machine Operator (NOC 9513) Employed — 770 Furniture, fixture and wood products manufacturers. Shift work.	Set up and operate saws, routers, planers, drills, sanders and other woodworking machines to make or repair wooden parts for furniture and other wood products.	Limited \$22,900 / \$26,700	ACC, RRC, UCN. On the job training.	Grade 12.

MANITOBA EDUCATION TRAINING INDEX

UNIVERSITIES/COLLEGES

(Some programs are available through distance education at these colleges and universities.)

ACC	Assiniboine Community College * 1430 Victoria Avenue, East, Brandon MB R7A 2A9 Admissions Office: 204-725-8701 1-800-862-6307, ext. 6742 (within Canada) http://www.assiniboine.net/
BU	Brandon University * 270-18th Street, Brandon MB R7A 6A9 (204) 727-9784 • 1-800-644-7644 http://www.brandonu.ca
CMU	Canadian Mennonite University * 500 Shaftesbury Boulevard, Winnipeg MB R3P 2N2 (204) 487-3300 • 1-877-231-4570 http://www.cmu.ca/
ETP	École technique et professionnelle du Collège universitaire de Saint-Boniface * 200, avenue de la Cathédrale, Saint-Boniface MB R2H 0H7 Registrar's Office: (204) 235-4408 • 1-888-233-5112 http://www.ustboniface.mb.ca/etp
RRC	Red River College * 2055 Notre Dame Avenue, Winnipeg MB R3H 0J9 General Inquiries: (204) 632-2327 1-800-903-7707 (outside Winnipeg in Canada) http://www.rrc.mb.ca
UCN	University College of the North * (The Pas and Thompson locations, Formerly Keewatin Community College) P.O. Box 3000, The Pas MB R9A 1M7 (204) 627-8500 • 1-866-627-8500 https://www.ucn.ca
UM	University of Manitoba * 424 University Centre, Winnipeg MB R3T 2N2 General Admissions: (204) 474-8800 1-800-432-1960 (within Manitoba) http://www.umanitoba.ca
USB	Université de Saint-Boniface * 200, avenue de la Cathédrale, Saint-Boniface MB R2H 0H7 Registrar's Office: (204) 235-4408 • 1-888-233-5112 http://www.ustboniface.mb.ca
UW	University of Winnipeg * 515 Portage Avenue, Winnipeg MB R3B 2E9 General Admissions: (204) 786-9159 • 1-800-956-1824 http://www.uwinnipeg.ca/
	Apprenticeship Manitoba (204) 945-3337 • 1-877-978-7233 (1-877-97-TRADE) http://www.manitoba.ca/tradecareers
CMB	Campus Manitoba 1-866-445-0063 www.campusmanitoba.com

FLYING SCHOOLS

Brandon Flying Club * (Brandon) • <http://brandonflyingclub.ca/>
Harv's Air Service Ltd. * (Steinbach) • <http://www.harvair.mb.ca/>
Perimeter Aviation * (Winnipeg) • <http://www.perimeter.ca/>
Winnipeg Aviation Company Ltd. * (Winnipeg)
<http://www.winnipegaviation.com/>

VOCATIONAL/TECHNICAL

ACS	Ashern Central School (Ashern) • http://www.acshome.ca/
ATC	Louis Riel Arts & Technology Centre * (Winnipeg) http://www.lrsd.net/Schools/ATC/N1/
ATEC	Atoskiwin Training & Employment Centre (Nelson House) http://www.ncncree.com/ncn/atec.html
CCM	CancerCare Manitoba – School of Radiation Therapy * (Winnipeg) http://www.cancercare.mb.ca/
CPRS	Crocus Plains Regional Secondary (Brandon) http://www2.brandonsd.mb.ca/crocus/
CSJB	College Saint-Jean-Baptiste (Saint-Jean-Baptiste) http://www.college-saintjeanbaptiste.com/
DRCS	Dauphin Regional Comprehensive Secondary (Dauphin) http://www.edline.net/pages/Dauphin_Regional_CSS
FBC	Fisher Branch Collegiate (Fisher Branch) • (204) 372-6459
FTM	Film Training Manitoba Inc. (Winnipeg) http://www.filmtraining.mb.ca/
GVC	Garden Valley Collegiate (Winkler) • http://gvc.gvsd.ca/
HBO	Helen Betty Osborne Ininiw Educational Resource Centre (Norway House) • http://hboierc.ca
HPC	Hapnot Collegiate (Flin Flon) http://www.ffsd.mb.ca/Hapnot/html/haindex.html
HSC	Health Sciences Centre – School of Diagnostic Ultrasound * (Winnipeg) • http://www.hsc.mb.ca/

KEC	Kildonan East Collegiate (Winnipeg) http://schools.retsd.mb.ca/kec/Pages/Welcome.aspx
LS	Lundar School (Lundar) • (204) 762-5610
LSRS	Lord Selkirk Regional Secondary (Selkirk) http://www.lssd.ca/lsrcss/
MC	Minnedosa Collegiate (Minnedosa) http://www.rrsd.mb.ca/schools/minnedosa_collegiate/index.html
MCCA	Manitoba Customer Contact Association (Winnipeg) http://www.mcca.mb.ca/
MCI	Maples Collegiate Institute (Winnipeg) http://www3.7oaks.org/site/maples/community.aspx
MESC	Manitoba Emergency Services College * (Brandon) http://www.firecomm.gov.mb.ca/
MMAC	Miles MacDonell Collegiate (Winnipeg) http://schools.retsd.mb.ca/miles/Pages/Welcome.aspx
MMC	Murdock Mackay Collegiate (Winnipeg) http://schools.retsd.mb.ca/mur/Pages/Welcome.aspx
MS	Morris School (Morris) • http://morris.rvrsd.ca/
MTEC	Manitoba Tourism Education Council (Winnipeg) http://www.mtec.mb.ca/
NIAT	Neeginan Institute of Applied Technology (Winnipeg) http://www.neeginan.org/
PC	Portage Collegiate (Portage La Prairie) http://www.plpsd.mb.ca/pci/
RBR	R.B. Russell Vocational School (Winnipeg) • http://rbrussell.org/
RDP	R.D. Parker Collegiate (Thompson) • (204) 677-6200
RVS	Roseau Valley School (Dominion City) http://roseauvalley.borderland.ca/
SAATC	Stevenson Aviation and Aerospace Training Centre (204) 945-6001 (Winnipeg) • 1-866-706-5833 (204) 428-6300 (Southport) • 1-800-665-9864
SHC	Sturgeon Heights Collegiate (Winnipeg) • http://sturgeon.sjsd.net/
SJC	St-James Collegiate * (Winnipeg) • http://stjames.sjsd.net/
SRS	Steinbach Regional Secondary (Steinbach) • http://www.srss.ca/
SVRS	Swan Valley Regional Secondary School (Swan River) http://www.svsd.ca/svrs/
TVH	Technical Vocational High School (Winnipeg) • http://tecvoc.ca/
VC	Virten Collegiate (Virten) • http://www.flbsd.mb.ca/vci/website/Virten_Collegiate_Institute/Home_of_the_Golden_Bears.html
WCM	W.C. Miller Collegiate (Altona) • http://wcmliller.borderland.ca/
WKC	West Kildonan Collegiate (Winnipeg) http://www3.7oaks.org/site/westkildonan/community_2.aspx
WPS	Winnipeg Police Service (Winnipeg) http://www.winnipeg.ca/police/
WRLS	Westman Regional Lab Services Inc. (Brandon) http://www.westmanlab.mb.ca/en/LabCom.html
WTC	Winnipeg Technical College • http://www.wtc.mb.ca
YC	Yellowquill College • http://www.yellowquill.org/

RELIGIOUS COLLEGES/INSTITUTIONS

BUC	Booth University College * (Winnipeg) • http://www.boothuc.ca/
CCMC	Central Canada's Master Commission (Winnipeg) (204) 943-4551
CCS	Centre for Christian Studies * (Winnipeg) • http://www.cconline.ca/
ECD	École catholique d'évangélisation Inc. (St. Malo) • (204) 347-5396
PTS	Providence Theological Seminary http://www.providenceseminary.ca/
PUC	Providence University College * (Otterburne). http://www.providencecollege.ca/
SBC	Steinbach Bible College * (Steinbach) • http://sbcollege.ca/
WCC	Western Christian College (Dauphin) http://www.westernchristian.ca/

SCHOOLS OF DANCE

CD	School of Contemporary Dancers Inc. * (Winnipeg) http://www.schoolofcontemporarydancers.ca/
RWB	Royal Winnipeg Ballet, Professional Division * (Winnipeg) http://www.rwb.org/

PRIVATE VOCATIONAL INSTITUTIONS

(Registered with Manitoba Advanced Education and Literacy).
For more information, visit: www.manitoba.ca/pvi

ABC	Academy of Broadcasting Corporation * (Winnipeg) http://www.academyofbroadcasting.com/
ABTA	Arnold Bros. Transportation Academy (Winnipeg) http://www.arnoldbrosacademy.com/
AL	Academy of Learning http://www.academyoflearning.com/MB/HOME.aspx
ASPT	Applied School & Professional Training (Winnipeg) http://www.asapstaffingsolutions.com/
ASH	Advanced School of Hairstyling * (Brandon) http://www.advancedschoolofhairstyling.ca

ATI	Anokiwiin Training Institute * (Winnipeg) http://www.anokiwiin.com
CMTEI	Canadian Montessori Teacher Education Institute (Winnipeg) http://montessori-institute.ca/files/Info_Winnipeg_2010_2011.pdf
CA	Capelli Academy * (Winnipeg) • http://www.capelliacademy.ca/
CDI	CDI College of Business, Technology and Health Care * (Winnipeg) http://www.cdicollege.ca/
CHN	Institute for Healthcare Education (Winnipeg) http://www.chnstitute.ca/
CCI	Criti Care EMS Inc. (Winnipeg) • http://www.criticareems.com/
EHC	E-Hair College Ltd. * (Brandon) • http://www.ehaircollege.com/
ESE	European School of Esthetics * (Winnipeg) http://www.europeanschoolofesthetics.com/
FED	Free Eagle Driver Education Ltd. (Blumenort) http://www.freeeagle.ca/
GTT	G & T Class 1 Training Ltd. (Winnipeg) • http://www.gtclass1.com/
HC	Herzing College * (Winnipeg) (Selkirk) http://www.herzing.edu/ca/winnipeg
HCTI	Heavy Construction Training Institute Inc. (Winnipeg) http://www.mhca.mb.ca/
HRB	H and R Block Canada Inc. • http://www.hrblock.ca
IST	Industry Specific Training of Manitoba * (Winnipeg) • (204) 582-6166
LEST	Law Enforcement and Security Training Academy of Canada * (Winnipeg) • http://www.lestac.ca/
LRDS	Learn Right Driving School (The Pas) • (204) 623-4903
MCC	M.C. College * (Winnipeg) http://www.mccollege.ca/winnipeg.shtml
MSMA	Mid-Ocean School of Media Arts * (Winnipeg) http://www.midoceanschool.ca/
MTCM	MTCM-The Massage Therapy College of Manitoba Inc. * (Winnipeg) http://www.massagetherapycollege.com/
NLEA	Northwest Law Enforcement Academy * (Winnipeg) http://www.nwlawenforcement.ca
OETIM	Operating Engineers Training Institute of Manitoba (Winnipeg) http://oetim.com/
PIMT	Professional Institute of Massage Therapy Ltd. * (Winnipeg) http://www.pimtmassage.ca/
PSP	Prairieview School of Photography * (Winnipeg) http://www.prairieview.ca/
PTDT	Professional Transport Driver Training School (Winnipeg, Brandon) http://www.transportdriver.com/
PVPS	Patal Vocational Preparation Schools Ltd. * (Winnipeg) http://www.patalvoc.com/
RC	Robertson College * (Winnipeg, Brandon) http://www.robertsoncollege.com
SMART	Southern Manitoba Academy for Response Training (Winnipeg) http://www.smartems.net
SMSH	Scientific Marvel School of Hairstyling & Aesthetics * (Winnipeg) http://www.marvelschools.com
UTDT	United Transportation Driver Training (Steinbach) http://www.uniteddrivertraining.com/
WCMT	Wellington College of Remedial Massage Therapies Inc. * (Winnipeg) http://www.wellingtoncollege.com/
WCST	Winnipeg College of Science and Technology (Winnipeg) http://www.wcost.ca/

Please note that listing of a private vocational institution is not a recommendation or an endorsement by the Department of Advanced Education and Literacy but is an indication the institution has met all statutory requirements for registration as required under The Private Vocational Institutions Act and Manitoba Regulation 237/02.

NEED TO UPGRADE YOUR HIGH SCHOOL QUALIFICATIONS?

HIGH SCHOOL INDEPENDENT STUDY COURSES
ARE AVAILABLE THROUGH DISTANCE EDUCATION PROGRAMS,
CALL 1-800-465-9915.

FOR THE ADULT LEARNING CENTRE NEAREST YOU,
CALL 1-800-282-8069, ext. 8247, OR (204) 945-8247 IN WINNIPEG.

* Institutions and schools designated as approved for the purposes of the Canada and Manitoba Student Loan programs. Designation does not imply or infer quality; institutions and schools are reviewed for participation in the loan programs on an on-going basis. Need more information? Visit www.manitobastudentaid.ca

NOTE: Training and Education Routes are subject to change. If you have identified an occupation as a possible career, please contact the educational institution identified for up-to-date course information.