

Career Directions Inventory (CDI)

Extended Report

Name:

Gender: **Female**

Report Date: **December 11, 2015**

This report is based on your answers to the Career Directions Inventory (CDI). Your scores indicate how your interests in various work activities compare to the interests of other people.

It is important to consider your interests carefully because they can help you find a rewarding career. But you should also consider other factors when exploring educational and career opportunities. Think about how your interests, abilities, experiences, personality, and values will influence your satisfaction and success. These factors are important in career exploration -- just as important as your interests. For example, certain fields require a lot more study and work than others. If you find that long hours of studying do not appeal to you, take this into account when considering a career.

There is a vast amount of information contained in this report and lots of helpful advice. Take the time to study the information. Make use of the career resources suggested in the CDI report. It will be worth the time you spend. Finding a satisfying career is important.

Index to your CDI report:

- Page 2: A profile of scores reflecting your interests on the 15 Basic Interest Scales, such as Art, Sales, and Science.
- Page 4: A profile of your scores on seven General Occupational Themes, which represent broad interest patterns. For example, scientists and engineers usually obtain high scores on the Investigative/Logical interest theme.
- Page 6: A profile of your scores on the 27 Job Clusters, such as Law Enforcement and Agriculture. This is followed by a closer look at your Top Three Job Clusters.
- Page 16: A profile showing the similarity of your interests to the interests of students in 100 different educational fields, such as nursing, drafting, or data processing.
- Page 19: The administrative indices indicate how much confidence you can have in the accuracy of your CDI report, based on the consistency of your responses.
- Page 20: Where do you go from here? This section lists a variety of career resources, and provides you with a plan you can build upon.

Copyright © 2012 by LiveCareer Ltd.

Prepared under license by Research Psychologists Press, Inc.

P.O. Box 3292, Station B

London, ON, Canada N6A 4K3

Basic Interest Scales

The chart below presents your scores on the 15 Basic Interest Scales in a bar graph profile. A high score on a particular scale indicates that you have a strong interest in that work activity (for example, Sales), or preferred work style (Assertive, Persuasive, Systematic). Study your profile carefully. Low scores (less than 30) are just as important as high scores (greater than 70), as these indicate lack of interest or even extreme dislike for certain activities. Use the scale definitions on the next page to get a clearer picture of your career interests.

Scale	Percentiles			Female Percentiles					High 99
	Comb.	Male	Female	Low 0	20	40	Average 60	80	
Administration	62	63	62						
Art	21	25	17						
Clerical	56	67	47						
Food Service	12	16	9						
Industrial Art	10	2	17						
Health Service	75	82	69						
Outdoors	21	12	31						
Personal Service	70	94	45						
Sales	56	54	58						
Science	98	97	99						
Teaching/Social Service	32	48	17						
Writing	62	65	60						
Assertive	36	24	48						
Persuasive	75	76	73						
Systematic	52	49	54						

Basic Interest Scale Profile Explanation

- Percentile: The scores under this heading indicate the percentage of people in a comparison group who received a lower interest score than you did.
- Comb: The scores in the Combined column of percentiles compare your interests with the combined group of males and females.
- Male: The scores in the Male column of percentiles compare your interests with those of the males in the comparison group.
- Female: The scores in the Female column of percentiles compare your interests with those of the females in the comparison group.

This CDI report is based on a normative sample developed in 2000. This sample consists of 2500 individuals (1250 men and 1250 women).

Basic Interest Scale Descriptions

Scale	Description
Administration	Enjoys organizing the financial or day-to-day operations of a business or institution, supervising the activities of others, planning work schedules, and maintaining records.
Art	Has a special appreciation for the arts, and enjoys participation in them. This may involve performing on stage, or creating visual artwork.
Clerical	Enjoys office work of a systematic nature, involving attending to details and routine duties.
Food Service	Likes to be involved in the preparation, serving, or selling of food products.
Industrial Art	Enjoys making or repairing things using machinery, or by hand.
Health Service	Interested in helping to prevent, diagnose, or cure diseases through laboratory work, or by attending to the health needs of individuals directly.
Outdoors	Likes working outdoors, especially in agriculture with animals and/or plants. May enjoy the challenge of potentially dangerous situations.
Personal Service	Likes interacting with others and providing the public with services involving personal contact.
Sales	Interested in selling merchandise or services. This usually involves an understanding of products and services, demonstration, informing customers of their features, and being persuasive with others.
Science	Enjoys working with abstract ideas, scientific equipment, and mathematical logic and reasoning to solve practical or abstract problems.
Teaching/ Social Service	Enjoys instructing people in learning new things, helping people solve problems, and assisting others.
Writing	Enjoys either creative or technical writing. Likely to have broad interests.
Assertive	Prefers working situations in which it is appropriate to assert authority over others, and to direct and monitor their work.
Persuasive	Enjoys work which involves influencing, advising, counselling, guiding, motivating, or directing the activities of others.
Systematic	Prefers jobs that involve routine but challenging assignments in which order and persistent, steady effort are required. Likes job security to be established, and dislikes frequent changes in schedule and situations requiring quick decisions.

General Occupational Themes

Career interests can be described by these seven different themes. These are approaches to the world of work. Many jobs will combine the expression of two or more of these occupational themes. For example, people working in advertising score high on the Enterprising and Artistic/Communicative General Occupational Themes. Study your profile carefully, referring to the scale definitions below and on the next page.

Scale	Percentiles			Female Percentiles					High 99
	Comb.	Male	Female	Low 0	20	Average 40 60		80	
Realistic/Practical	11	4	19						
Enterprising	60	56	65						
Artistic/Communicative	37	42	33						
Social/Helping	60	75	46						
Investigative/Logical	93	90	96						
Conventional	70	78	63						
Serving	34	54	15						

General Occupational Theme Profile Explanation

- Percentile: The scores under this heading indicate the percentage of people in a comparison group who received a lower interest score than you did.
- Comb: The scores in the Combined column of percentiles compare your interests with the combined group of males and females.
- Male: The scores in the Male column of percentiles compare your interests with those of the males in the comparison group.
- Female: The scores in the Female column of percentiles compare your interests with those of the females in the comparison group.

General Occupational Theme Descriptions

Descriptions for each of the seven occupational themes start below. It is important to remember that one theme alone may not describe your work style perfectly. Instead, you will likely be described best by a combination of the characteristics that come from the two or three themes in which you scored highest.

Theme	Description
Realistic/Practical	People scoring highly on this theme like physical activity, working with their hands, and are mechanically-inclined. They enjoy working outdoors and do not mind dealing with physical risks on the job. They are more comfortable using their practical skills than having to deal with people or expressing their ideas.

General Occupational Theme Descriptions (*continued*)

Theme	Description
Enterprising	High scorers on this theme are people-oriented. They like to talk to, influence and persuade others. They are confident, adventurous, assertive and show leadership. Money, power and status are attractive rewards to them. They are very often interested in the world of business, especially in the areas of supervision or sales.
Artistic/Communicative	Someone with a high score on this theme is often thought of as original and creative by others. Such people enjoy expressing themselves in artistic ways such as acting, dancing, creating music or visual art, or by expressing their ideas either through discussion or debate. They appreciate these creative talents in others as well. Their whole range of interests is wide. They adapt to change well and like jobs that are not too routine.
Social/Helping	High scorers on this theme show a strong interest in the welfare of other people. They are interested in helping to keep others emotionally or physically healthy, or in teaching others. They are thought of as responsible, sympathetic, kind and supportive. They enjoy giving advice and working directly with people, either in groups or individually.
Investigative/Logical	Those with high scores on this theme enjoy the challenge of problem solving in mathematics, technology, and sciences, and the abstract and practical ideas related to these areas. They have a great deal of curiosity about the physical world. Applied science, such as engineering, technology or computer science may also be of interest to them. They often derive more satisfaction from a job well done than from pleasing other people. They can be technically creative.
Conventional	People that score highly on this theme enjoy working in large organizations, especially in the business world. They show careful attention to detail, are organized, follow instructions well and prefer jobs where their daily duties are regular and fixed. They may enjoy supervising others in jobs where rules and tasks are well defined. They are more comfortable with verbal tasks and working with figures rather than with jobs requiring physical activity or that may involve physical risk.
Serving	People who score highly on this theme are happy in jobs requiring sociability, politeness, patience and a happy disposition. Such people enjoy having variety built into their jobs and are attracted to careers that bring them into contact with a wide cross-section of the public. They enjoy helping others, serving others' personal needs and looking after the comfort and well-being of others. They are likely to be involved in such service areas as the hospitality businesses (restaurants and hotels), travel, personal grooming, and clothing care.

Job Clusters

Your scores on the 27 Job Clusters below are based on a comparison to the interests of a large number of people in a wide variety of job groups and educational programs. If you have a high score in a certain cluster, you are more likely to find work or study in that area more interesting and satisfying. Use the scale definitions found on the following three pages for a clear picture of each job group. Examine the information provided for your "Top Three Job Clusters," as these represent your strongest interests.

Cluster	Percentiles			Female Percentiles					
	Comb.	Male	Female	Dissimilar 0	20	40	60	80	Similar 99
Science and Engineering	99	97	99						
Electronic Technology	96	93	99						
Computer and Mathematical Sciences	94	89	98						
Banking and Accounting	88	86	89						
Health Record Technology	88	93	83						
Hospitality and Travel Services	89	96	82						
Social Sciences	83	86	80						
Administration	80	84	76						
Word Processing and Administrative Assistant	83	89	76						
Sales	79	83	75						
Medical and Healthcare Services	75	79	72						
Public and Protective Services	53	46	59						
Funeral Services	73	92	53						
Law Enforcement	50	50	51						
Personal Care	62	82	44						
Marketing and Merchandising	44	48	41						
Communication Arts	38	42	34						
Architectural Technology, Drafting and Design	30	29	31						
Performing Arts	37	50	24						
Skilled Trades	14	3	23						
Social Services	38	57	19						
Renewable Resource Technology	12	7	18						
Agriculture and Animal Science	9	5	14						
Art	15	18	12						
Education	31	50	12						
Food Services	17	22	12						
Library Science	8	8	7						

Job Clusters (*continued*)

Job Cluster Profile Explanation

- Percentile:** The scores under this heading indicate the percentage of people in a comparison group who received a lower interest score than you did.
- Comb:** The scores in the Combined column of percentiles compare your interests with the combined group of males and females.
- Male:** The scores in the Male column of percentiles compare your interests with those of the males in the comparison group.
- Female:** The scores in the Female column of percentiles compare your interests with those of the females in the comparison group.

Job Cluster Descriptions

Administration: Individuals working in this field are engaged in management activities, such as supervising and counselling others, and systemizing and directing activities in governmental, industrial or commercial organizations.

Agriculture and Animal Science: Individuals working in Agriculture are involved in a variety of activities ranging from planting, cultivating, harvesting, and weeding crops to breeding and medically treating animals.

Architectural Technology, Drafting and Design: Individuals working in this occupational group are involved with collecting, analyzing, and plotting survey data, preparing working plans, and making detailed illustrations and maps for engineering, manufacturing, designing, construction and exploration purposes.

Art: Individuals working in visual arts are involved in a number of occupations, such as photography, interior design, architecture, graphic art, or illustrating.

Banking and Accounting: Individuals employed in this area may perform a variety of tasks, ranging from administrative, and managerial duties in banks and credit agencies to financial advising, and administering accounting services.

Communication Arts: Individuals working in the Communication Arts field are involved in writing and editing material in newspapers, books, magazines, technical manuals, and printed media for use in speeches, broadcasts or dramatic presentations, or for translation into other languages.

Computer and Mathematical Sciences: Occupations in this cluster generally involve working with numbers and formulas. Individuals working in this field use their mathematical skills for a variety of tasks, such as analyzing business trends or scientific theories, programming computers, and developing content for Internet applications.

Education: Individuals interested in teaching are involved in a variety of tasks, for example, enforcing discipline, preparing curricula, marking assignments and tests, and instructing and evaluating students.

Electronic Technology: Individuals working in this occupational cluster are involved in many aspects of the electronics field, especially those jobs dealing with technical knowledge of electrical equipment.

Job Cluster Descriptions (*continued*)

Food Services: Individuals working in this field may be involved in cooking, preparing, or serving food and beverages, or consulting others on how to develop nutritional menus, and maintain special diets.

Funeral Services: Those individuals involved in the Funeral Services field may be responsible for preparing and transporting the body, as well as counselling and directing the family and friends of the deceased in the preparation of the funeral service.

Health Record Technology: Individuals working in this field combine clerical activities with health service; for example, scheduling appointments, receiving and directing calls, compiling and typing statistical reports, and/or admitting patients.

Hospitality and Travel Services: These jobs generally involve a great deal of interaction with, and servicing of the public. Activities may include the provision of accommodation and recreation activities, or the planning and escorting of travellers.

Law Enforcement: Individuals working in this field are involved with providing protection against crime and accidents in a number of different ways.

Library Science: Individuals employed in this area are involved in the organization and circulation of books, newspapers, magazines, and historical artifacts, in addition to the development and implementation of the information systems responsible for the classification of the materials.

Marketing and Merchandising: Individuals employed in this field may design advertising, plan marketing campaigns, buy products, or conduct research on buyer preferences.

Medical and Healthcare Services: Many jobs included in this cluster are concerned with the diagnoses and treatment of human ailments.

Performing Arts: Individuals working in Performing Arts enjoy being involved in the entertainment field, whether it is behind the scenes, such as a director, or as an actor/ actress performing in front of large groups of people.

Personal Care: Individuals who work in this area tend to enjoy meeting others and working in jobs that involve personal contact, such as a hairstylist or cosmetologist.

Public and Protective Services: Individuals employed in this occupational cluster tend to be attracted to jobs requiring diligence, some physical challenges and, in certain instances physical risk. These occupations involve protecting the public in one way or another.

Renewable Resource Technology: There are many different occupations included in this area, most of which involve maintaining, and preserving plants, trees, or wildlife.

Sales: Individuals working in sales are involved in selling merchandise and services, and may be involved in buying commodities for resale, or managing retail businesses.

Science and Engineering: Occupations in this cluster are generally concerned with research or practical applications of science and engineering principles.

Job Cluster Descriptions (*continued*)

Skilled Trades: This occupational cluster includes a wide range of jobs involved with various types of machinery, the making, assembling or repairing of products, and construction.

Social Services: This area involves many professionals that work with people or communities to help them improve their situation.

Social Sciences: The Social Science cluster covers a broad range of occupations, as it represents individuals who study the past, present and future of civilization, and societies' impact on the group and the individual.

Word Processing and Administrative Assistants: Individuals who work in this field tend to enjoy office work of a systematic nature, involving routine duties, such as a secretary or clerk.

Top Three Job Clusters

On the next pages, you will find descriptions for the three clusters that match your interest pattern most closely. Under each cluster name, you will find a code number taken from the National Occupational Classification (NOC), a job classification system developed by Human Resources Development Canada. The NOC offers a comprehensive classification of occupational titles and job categories.

After each cluster description, you will find a list of some typical jobs found within that cluster. Across from each job name is an NOC code. There are many more jobs for each cluster that have not been included. You should consider these others as well. For a list of more jobs related to each cluster, check on the Internet at: www5.hrsdc.gc.ca/noc/. Browse the Occupational Descriptions and the Index of Titles, or use the Quick Search feature to learn more about specific NOC codes.

Remember that having similar interests to a job cluster does not necessarily mean that you could do well in that type of work or study. However, most people do find satisfaction with jobs that match their interests. Your counsellor can help direct you to the possible educational or career areas to explore.

Occupations in Science and Engineering

There are many different branches of science and engineering included in this category. Some of the occupations in this cluster are concerned primarily with research while others concentrate on the practical application of scientific knowledge. Jobs in physical science, engineering, and technology are concerned with providing assistance for research in the fields of chemistry, physics, geology and meteorology. These occupations range from Chemical Engineer to Biological Technician to Geologist. Many individuals in these occupations score highly on the Science scale of the Career Directions Inventory. The jobs in this cluster range from those requiring the completion of college programs to those providing job training. Listed below is a sample of the jobs included in this field. Refer to the NOC for more information. To learn more about the occupations that make up this job cluster, search the complete NOC listings at www5.hrsdc.gc.ca/noc.

NOC MAJOR GROUP 21 - Professional Occupations in Natural and Applied Sciences

NOC MAJOR GROUP 22 - Technical Occupations Related to Natural and Applied Sciences

NOC MAJOR GROUP 32 - Technical Occupations in Health

NOC Code	Job Title	NOC Code	Job Title
2111	Physicists and Astronomers	2112	Chemists
2113	Geoscientists and Oceanographers	2114	Meteorologists and Climatologists
2121	Biologists and Related Scientists	2134	Chemical Engineers
2141	Industrial and Manufacturing Engineers	2142	Metallurgical and Materials Engineers
2143	Mining Engineers	2144	Geological Engineers
2211	Chemical Technologists and Technicians	2212	Geological and Mineral Technologists and Technicians
2221	Biological Technologists and Technicians	2233	Industrial Engineering and Manufacturing Technologists and Technicians
3213	Animal Health Technologists and Veterinary Technicians	3215	Medical Radiation Technologists

Suggested Readings

1. **How to Land a Top-Paying Agricultural Chemists Job: Your Complete Guide to Opportunities, Resumes and Cover Letters, Interviews, Salaries, Promotions.** Webster, Julia. Tebbo. 2012. ISBN: 1743477317.
2. **Physicists and Astronomers: Job Hunting - A Practical Manual for Job-Hunters and Career Changers.** Gladwell, Stephen. Emereo Pty Ltd. 2011. ISBN: 1742449220.
3. **The Medical School Interview: Secrets and a System for Success.** Fleenor, Jeremiah. Shift 4 Publishing, LLC. 2011. ISBN: 097795594X.
4. **Green Careers: You Can Make Money AND Save the Planet.** Scott, Jennifer Power. Lobster Press. 2010. ISBN: 1897550189.
5. **Career Opportunities in Biotechnology and Drug Development.** Cold Spring. Cold Spring Harbor Lab Press. 2009. ISBN: 879698802.
6. **Career Opportunities in Forensic Science.** Echaore-McDavid, Susan; and McDavid, Richard A. Checkmark Books. 2008. ISBN: 816061572.
7. **Opportunities in Forensic Science.** Camenson, Blythe. McGraw-Hill. 2008. ISBN: 71545336.
8. **Opportunities in Laser Technology.** Bone, Jan. McGraw-Hill. 2008. ISBN: 71493093.
9. **Careers for Aquatic Types & Others Who Want to Make a Splash.** Camenson, Blythe. McGraw-Hill. 2007. ISBN: 71482156.
10. **Careers for Scientific Types & Others with Inquiring Minds.** Goldberg, Jan. McGraw-Hill. 2007. ISBN: 71476180.
11. **Careers in High Tech.** Basta, Nicholas. McGraw-Hill. 2007. ISBN: 71476121.
12. **Careers in the Environment.** Fasulo, Mike; and Walker, Paul. McGraw-Hill. 2007. ISBN: 71476113.
13. **Careers in the Environment.** Fasulo, Michael; and Walker, Paul. McGraw-Hill. 2007. ISBN: 71476113.
14. **Building a Successful Career in Scientific Research: A Guide for PhD Students and Postdocs.** Dee, Phil. Cambridge University Press. 2006. ISBN: 521617405.

Science and Engineering (*continued*)

Suggested Readings (continued)

15. **Choose a Career in Science.** Louv, Barbara. Dog Ear Publishing. 2006. ISBN: 1598581309.
16. **Great Jobs for Geology Majors.** Camenson, Blythe. McGraw-Hill. 2006. ISBN: 71467750.
17. **Opportunities in Marine Science and Maritime Careers.** Heitzmann, William Ray. McGraw-Hill. 2006. ISBN: 71448519.
18. **Alternative Careers in Science: Leaving the Ivory Tower.** Robbins-Roth, Cynthia. Academic Press. 2005. ISBN: 125893760.
19. **Great Jobs for Chemistry Majors.** Rowh, Mark. McGraw-Hill. 2005. ISBN: 71448578.
20. **Opportunities in Biological Science Careers.** Winter, Charles. McGraw-Hill. 2004. ISBN: 007143187X.

Organizations

1. BioTalent Canada. (www.biotalent.ca)
2. Canadian Council of Technicians and Technologists. (www.cctt.ca)
3. Canadian Institute of Mining, Metallurgy, and Petroleum. (www.cim.org)
4. Canadian Meteorological and Oceanographic Society. (www.cmos.ca)
5. Canadian Society for Medical Laboratory Science. (www.csmls.org)
6. Engineers Canada. (www.engineerscanada.ca)
7. Environmental Careers Organization. (www.eco.ca)
8. Geological Association of Canada. (www.gac.ca)
9. The Chemical Institute of Canada. (www.chemistry.ca)

Activities

1. Check out www.engcen.ca for job search resources and engineering job postings.
2. Check out www.nem-mng.ca to learn more about **National Engineering Month** and related activities.
3. Explore **The Canadian Institute for Climate Studies** at www.cics.uvic.ca.
4. Learn about the **First Robotics Canada** at www.firstroboticscanada.org and consider entering this engineering and technology contest.
5. Take a look at www.elements.nb.ca, an online environmental magazine with articles, discussions and audio interviews.
6. Visit the **Canadian Engineering Network** at www.stealthstuff.com for links to engineering industry information.
7. Visit the **Canadian Museum of Nature** online at www.nature.ca.
8. Visit the **Geological Survey of Canada** at www.gsc.nrcan.gc.ca to find numerous educational resources for geology.

Occupations in Electronic Technology

Individuals working in this occupational cluster are involved in many aspects of the electronics field, especially those jobs dealing with technical knowledge of electrical equipment. For example, Electrical Engineering Technicians perform a variety of technological tasks to assist in the research, design and development of electronic systems. Individuals in this occupational group tend to score highly on the Science scale of the Career Directions Inventory. The occupations in this area range from those that require formal college training to those that require apprenticeships or on-the-job training. Listed below is only a small sample of the many jobs included in this field. For more information on these jobs and on other related occupations refer to the NOC. To learn more about the occupations that make up this job cluster, search the complete NOC listings at www5.hrsdc.gc.ca/noc.

NOC MAJOR GROUP 01-09 - Specialized Middle Management Occupations
 NOC MAJOR GROUP 21 - Professional Occupations in Natural and Applied Sciences
 NOC MAJOR GROUP 22 - Technical Occupations Related to Natural and Applied Sciences
 NOC MAJOR GROUP 52 - Technical Occupations in Art, Culture, Recreation, and Sport
 NOC MAJOR GROUP 72 - Industrial, Electrical and Construction Trades
 NOC MAJOR GROUP 73 - Maintenance and Equipment Operation Trades
 NOC MAJOR GROUP 76 - Trades Helpers, Construction Labourers and Related Occupations
 NOC MAJOR GROUP 95 - Assemblers in Manufacturing

NOC Code	Job Title	NOC Code	Job Title
0912	Utilities Managers	2133	Electrical and Electronics Engineers
2147	Computer Engineers		
2233	Industrial Engineering and Manufacturing Technologists and Technicians	2241	Electrical and Electronics Engineering Technologists and Technicians
2242	Electronic Service Technicians (Household and Business Equipment)	2264	Construction Inspectors
7241	Electricians	5225	Audio and Video Recording Technicians
7242	Industrial Electricians	7243	Power System Electricians
7246	Telecommunications Installation and Repair Workers	7247	Cable Television Service and Maintenance Technicians
7333	Electrical Mechanics	7612	Other Trades Helpers and Labourers
9523	Electronics Assemblers, Fabricators, Inspectors and Testers	9524	Assemblers and Inspectors, Electrical Appliance, Apparatus and Equipment Manufacturing

Suggested Readings

1. **Educating Scientists and Engineers for Academic and Non-Academic Career Success.** Speight, James. Crc Pr I LLC. 2014. ISBN: 1466553561.
2. **How to Land a Top-Paying Air-Conditioning Mechanics Job: Your Complete Guide to Opportunities, Resumes and Cover Letters, Interviews, Salaries.** Mcdowell, Peggy. Tebbo. 2012. ISBN: 1743478364.
3. **How to Land a Top-Paying Coil Winders Job: Your Complete Guide ego Opportunities, Resumes and Cover Letters, Interviews, Salaries, Promotions.** Sharpe, Irene. Tebbo. 2012. ISBN: 1486105947.
4. **How to Land a Top-Paying Commercial and Industrial Equipment Electrical and Electronics Repairers Job: Your Complete Guide to Opportunities, Resumes.** Chandler, Julie. Tebbo. 2012. ISBN: 1486106196.
5. **Information Technology Jobs in America: Corporate & Government Career Guide.** Info Tech Employment. Info Tech Employment. 2012. ISBN: 1933639679.
6. **Electrical Engineering 101: Everything You Should Have Learned in School... but Probably Didn't.** Ashby, Darren. Newnes. 2011. ISBN: 123860016.
7. **Energy.** Tomkies, Kelly Kagamas. Ferguson Publishing Company. 2011. ISBN: 816079579.
8. **How to Land a Top-Paying Electronic Home Entertainment Equipment Installers and Repairers Job: Your Complete Guide to Opportunities, Resumes.** Andrews, Brad. Emereo Pty Ltd. 2010. ISBN: 1742446175.
9. **Jobs in Environmental Cleanup and Emergency Hazmat Response.** Harmon, Daniel E. Rosen Publishing Group. 2010. ISBN: 1435835700.

Electronic Technology (*continued*)

Suggested Readings (continued)

10. **The Career Guide Book for Engineers.** Hoschette, John A. Wiley. 2010. ISBN: 470503505.
11. **Engineering Technician, Electrical Utility General Supervisor, HVAC Technician Apprentice - How to Land a Top-Paying Job.** Andrews, Brad. Emereo Pty Ltd. 2009. ISBN: 1742442072.
12. **The Software Engineer Job Description Handbook and Career Guide: The Complete Knowledge Guide You Need to Start or Advance Your Career as Software Engineer.** Klipp, Andrew. Emereo Pty Ltd. 2009. ISBN: 1921573546.
13. **Great Jobs for Engineering Majors.** Garner, Geraldine. McGraw-Hill. 2008. ISBN: 007149314X.
14. **Careers for Scientific Types & Others with Inquiring Minds.** Goldberg, Jan. McGraw-Hill. 2007. ISBN: 71476180.
15. **Careers in High Tech.** Basta, Nicholas. McGraw-Hill. 2007. ISBN: 71476121.
16. **Opportunities in Electronics Careers.** Rowh, Mark. McGraw-Hill. 2007. ISBN: 71476075.
17. **The Successful Electronics Technician.** Goetsch, David L. Delmar Publishers Inc. 2007. ISBN: 141806176X.
18. **So You Wanna Be an Embedded Engineer: The Guide to Embedded Engineering, From Consultancy to the Corporate Ladder.** Edwards, Lewin. Newnes. 2006. ISBN: 750679530.
19. **Electrician (Library Binding).** Capstone Press. Lifematters/Career Books. 2005. ISBN: 073680594X.
20. **Career Perspectives in Electronic Media.** Orlik, Peter B. Wiley-Blackwell. 2004. ISBN: 081382477X.

Organizations

1. Armed Forces Communications and Electronics Association. (www.afcea.org)
2. Canadian Council of Technicians and Technologists. (www.cctt.ca)
3. Canadian Electrical Contractors Association. (www.ceca.org)
4. Institute of Electrical and Electronics Engineers. (www.ieee.org)
5. International Society of Certified Electronics Technicians. (www.iscet.org)

Activities

1. Check out **Electro-Federation Canada** at www.electrofed.com for news, research and resources in the electronic and electrical industry.
2. Check out Canada's largest professional electronics magazine online at www.ept.ca to learn about the latest advancements in electronic products and technology.
3. Visit www.elecdir.com for a worldwide directory electronics and electrical businesses and products.

Occupations in Computer and Mathematical Sciences

There are many jobs in this occupational cluster, most of which involve working with numbers and formulas. Some jobs, such as mathematicians or actuaries, involve working purely with abstract numbers. Other jobs involve applying those numbers to analyze business trends, such as an economist, or developing codes to program a computer or content for internet applications. Nearly all of the jobs in this cluster require some form of post-secondary education, either a college diploma or a university degree. Some scientific careers, for example, theoretical physics and astronomy, require extensive use of mathematics as a central part of the discipline. Below is a list of some of the jobs in this area, refer to the NOC codes for fuller descriptions. To learn more about the occupations that make up this job cluster, search the complete NOC listings at www5.hrsdc.gc.ca/noc.

NOC MAJOR GROUP 01-09 - Specialized Middle Management Occupations
 NOC MAJOR GROUP 14 - Office Support Occupations
 NOC MAJOR GROUP 21 - Professional Occupations in Natural and Applied Sciences
 NOC MAJOR GROUP 22 - Technical Occupations Related to Natural and Applied Sciences
 NOC MAJOR GROUP 41 - Professional Occupations in Law and Social, Community and Government Services

NOC Code	Job Title	NOC Code	Job Title
0213	Computer and Information Systems Managers	1454	Survey Interviewers and Statistical Clerks
2111	Physicists and Astronomers	2147	Computer Engineers
2161	Mathematicians, Statisticians and Actuaries	2171	Information Systems Analysts and Consultants
2172	Database Analysts and Data Administrators	2174	Computer Programmers and Interactive Media Developers
2175	Web Designers and Developers	2281	Computer Network Technicians
4162	Economists and Economic Policy Researchers and Analysts		

Suggested Readings

1. **How to Land a Top-Paying Census Clerks Job: Your Complete Guide to Opportunities, Resumes and Cover Letters, Interviews, Salaries, Promotions.** Buchanan, Roy. Tebbo. 2012. ISBN: 1486103944.
2. **How to Land a Top-Paying Computer Security Managers Job: Your Complete Guide to Opportunities, Resumes and Cover Letters, Interviews, Salaries.** Burt, Florence. Tebbo. 2012. ISBN: 1486106897.
3. **Lives in Science: How Institutions Affect Academic Careers.** Hermanowicz, Joseph C. University of Chicago Press. 2012. ISBN: 022600564X.
4. **Programming Interviews Exposed: Secrets to Landing Your Next Job.** Mongan, John; Kindler, Noah; and Giguere, Eric. Wrox. 2012. ISBN: 1118261364.
5. **Actuaries: Job Hunting - A Practical Manual for Job-Hunters and Career Changers.** Gladwell, Stephen. Emereo Pty Ltd. 2011. ISBN: 1742448992.
6. **Computer Software Engineers and Computer Programmers: Job Hunting - A Practical Manual for Job-Hunters and Career Changers.** Gladwell, Stephen. Emereo Pty Ltd. 2011. ISBN: 1742449026.
7. **Financial Risk Manager Handbook.** Jorion, Philippe; and GARP (Global Association of Risk Professionals). Wiley. 2010. ISBN: 470904011.
8. **Getting Started in Consulting.** Weiss, Alan. Wiley. 2009. ISBN: 470419806.
9. **How to Land a Top-Paying Computer and Information Systems Managers Job: Your Complete Guide to Opportunities, Resumes and Cover Letters, Interviews.** Andrews, Brad. Emereo Pty Ltd. 2009. ISBN: 1921644354.
10. **The IT Manager Job Description Handbook and Career Guide: The Complete Knowledge Guide You Need to Start or Advance Your Career as IT Manager.** Klipp, Andrew. Emereo Pty Ltd. 2009. ISBN: 1921573503.
11. **The Software Engineer Job Description Handbook and Career Guide: The Complete Knowledge Guide You Need to Start or Advance Your Career as Software Engineer.** Klipp, Andrew. Emereo Pty Ltd. 2009. ISBN: 1921573546.
12. **Careers for Scientific Types & Others with Inquiring Minds.** Goldberg, Jan. McGraw-Hill. 2007. ISBN: 71476180.
13. **Careers in High Tech.** Basta, Nicholas. McGraw-Hill. 2007. ISBN: 71476121.
14. **How to Start a Career in Information Technology.** Fisher, Ian K. Ian K. Fisher. 2007. ISBN: 976005220.

Computer and Mathematical Sciences (*continued*)

Suggested Readings (continued)

15. **Test Your Numerical Aptitude: How to Assess Your Numeracy Skills and Plan Your Career.** Barrett, Jim. Kogan Page. 2007. ISBN: 749450649.
16. **Careers for Computer Buffs and Other Technological Types.** Eberts, Marjorie; and Gisler, Margaret. McGraw-Hill. 2006. ISBN: 71458778.
17. **Great Jobs for Economics Majors.** Camenson, Blythe. McGraw-Hill. 2006. ISBN: 71467742.
18. **Great Jobs for Math Majors.** Lambert, Stephen; and Decotis, Ruth. McGraw-Hill. 2005. ISBN: 71448594.
19. **Advice to Rocket Scientists: A Career Survival Guide for Scientists and Engineers.** Longuski, Jim; and Purdue University. AIAA (American Institute of Aeronautics & Ast). 2004. ISBN: 156347655X.
20. **How Would You Move Mount Fuji?: Microsoft's Cult of the Puzzle -- How the World's Smartest Companies Select the Most Creative Thinkers.** Poundstone, William. Little, Brown and Company. 2004. ISBN: 316778494.

Organizations

1. Canadian Association of Physicists. (www.cap.ca)
2. Canadian Astronomical Society. (www.casca.ca)
3. Canadian Economics Association. (www.economics.ca)
4. Canadian Information Processing Society. (www.cips.ca)
5. Canadian Mathematical Society. (<http://cms.math.ca>)

Activities

1. Check out www.it-careers.ca for job postings and directories of Canadian IT companies.
2. For job postings and information on statistics and actuarial science visit the **Statistical Society of Canada** at www.ssc.ca.
3. Visit www.geekstreet.ca to find information about computers and computer technology, including jobs, downloads, stores and more.
4. Visit **Computer Science Canada** online at <http://compsci.ca> to engage in discussions and information sharing with a community for students, educators, and professionals interested in computer science and technology.

Similarity to Educational Specialty Groups

The profile below shows how similar your interests are to the interests of students enrolled in each of 100 different occupationally oriented educational programs. Take a close look at the educational groups on which you scored highest. These are the areas of study that you will probably find most interesting.

Group	NOC Code	Percentiles Comb.	Male	Female	Female Percentiles					
					Dissimilar 0	20	40	60	80	Similar 99
Civil Engineer/Surveyor	2131	93	88	99						
Computer Technology	2242	96	92	99						
Chemical Engineering Tech	2211	97	95	99						
Pilot	2271	95	92	99						
Telecommunications Tech	7246	95	92	98						
Mining/Metal Engineer	2143	94	90	98						
Electrical Engineer Tech	2241	89	79	98						
Data Processing	1422/2174	96	95	97						
Military Engineering Tech	2131	96	95	96						
Energy Systems Technician	7352	90	83	96						
Accounting & Finance	1431	91	88	94						
Mechanical Engineer Tech	2232	67	43	92						
Air Transport	2271	95	98	90						
Med Lab/Histology Tech	3212/3211	92	94	90						
X-Ray/EEG Tech	3215/3218	89	90	89						
Instrument Engineer	2133	59	31	88						
Real Estate/Insurance	6232/6231	89	91	87						
Radio/T.V. Servicing	2242	85	85	86						
Flight Attendant	6432	92	99	85						
Travel & Tourism	6431	88	92	83						
Legal Assistant/Secretary	1242	83	87	80						
Credit Specialist	1434	80	81	79						
Aerospace Engineer Tech	2232	55	32	79						
Word Process/Info Manage	1411	80	83	78						
General Business	0013	74	73	76						
Court Reporter	1244	80	84	76						
Insurance Administration	6231	80	85	75						
Clerical-General	1411	80	86	74						
Health Record Technician	1413	77	81	73						
Medical Secretary	1243	82	93	72						

Educational Specialty Groups (continued)

Group	NOC Code	Percentiles			Dissimilar	Female Percentiles				Similar
		Comb.	Male	Female		0	20	40	60	
Business Administration	0114	75	79	72						
Respiratory Technician	3214	76	80	72						
Banking & Business	1434	71	72	69						
Auto Sales	6421	69	71	67						
Urban Planning	2153	51	35	67						
Physiotherapist	3142	72	79	66						
Stationary Engineer	7351	35	11	65						
Small Motors Mechanic	7335	43	22	65						
Electrician	7241	37	14	64						
Nurse/Med Assistant	3152/3233	69	76	64						
Hairdressing/Cosmetics	6271/6482	76	90	62						
Business Secretary	1414	71	83	61						
Paramedic/Ambulance	3234	67	75	60						
Micro Precision Tech	9485	46	33	60						
Cosmetics Marketing	6623	70	82	59						
Law Enforcement/Police	6261	55	50	59						
Drafting	2253	43	30	56						
Dental Hygienist	3222	63	72	55						
Fire Science	6262	50	46	54						
Naval Sciences	2148	43	31	54						
Funeral/Mortuary Science	6272	73	92	53						
Dance	5134	66	80	53						
Justice Administration	1227	52	55	50						
Music Education	5133	72	92	50						
Physical Education	5252	62	77	49						
Crime/Justice Admin	6462/1227	45	42	48						
Retail Management	0621	51	54	47						
Marketing	0611	51	55	47						
Architectural Technology	2251	46	45	47						
Broadcasting	5231	55	63	47						
Occupational Therapy	3143	55	65	46						
Clerk-Typist	1411	42	42	43						
Social Worker	4152	55	67	43						

Educational Specialty Groups (continued)

Group	NOC Code	Percentiles			Dissimilar	Female Percentiles				Similar
		Comb.	Male	Female		0	20	40	60	
Animal Health	3213	39	36	42	████████████████████					
Water System Technician	9424	34	28	40	████████████████████					
Renewable Resources Tech	2223	26	14	39	████████████████████					
Elementary Education	4142	50	62	39	████████████████████					
Advertising	0611	33	34	32	████████████████████					
Secretarial	1241	34	38	30	████████████████████					
Construction Technology	2231	16	5	27	████████████████████					
Drama	5135	37	47	27	████████████████████					
Interior Design	5242	34	42	26	████████████████████					
Journalism	5123	28	30	26	████████████████████					
Special Education	4215	44	64	25	████████████████████					
Heat/Air Condition/Refrig	7313	13	3	23	████████████████████					
General Arts	4131	26	30	22	████████████████████					
Speech Therapy	3141	47	71	22	████████████████████					
Music	5133	30	40	21	████████████████████					
Commercial Artist	5241	27	32	21	████████████████████					
Education Instructor	4141/4142	40	59	21	████████████████████					
Automotive Technology	7321	13	4	21	████████████████████					
Fisheries Technician	2221	15	10	20	████████████████████					
Hotel/Restaur Management	0632/0631	22	26	18	████████████████████					
Forestry	2122	10	3	16	████████████████████					
Rehabilitation Counseling	4153	34	55	16	████████████████████					
Horticulture	2225	9	3	14	████████████████████					
Culinary Art	6241	21	28	14	████████████████████					
Landscape Architect	2152	10	7	13	████████████████████					
Graphic Art/Tech Illust	5223	15	19	12	████████████████████					
Welder	7265	8	2	12	████████████████████					
Addiction/Health Counsel	4153/4165	29	47	12	████████████████████					
Indust Maintenance Mech	7311	7	1	11	████████████████████					
Nutritionist	3132	10	11	10	████████████████████					
Home Economics	4164	16	23	10	████████████████████					
Advertising Design	5241	11	14	9	████████████████████					
Chef & Baker	6241/6252	11	14	8	████████████████████					

Educational Specialty Groups (continued)

Group	NOC Code	Percentiles			Dissimilar	Female Percentiles				Similar
		Comb.	Male	Female		0	20	40	60	
Librarian	5111	8	8	7	■					
Farming	8251	5	2	6	■					
Recreation	4167	13	22	4	■					
Florist	5244	4	5	2	■					
Child Care Worker	4212	10	19	2	■					
Early Childhood Education	4214	8	14	2	■					
Teachers Aide	6472	9	17	1	■					

Educational Specialty Cluster Profile Explanation

NOC Code: Use the codes listed in this column to search the complete NOC listings at www5.hrsdc.gc.ca/noc.

Percentile: The scores under this heading indicate the percentage of people in a comparison group who received a lower interest score than you did.

Comb: The scores in the Combined column compare your interests with the combined group of males and females.

Male: The scores in the Male column of percentiles compare your interests with those of the males in the comparison group.

Female: The scores in the Female column of percentiles compare your interests with those of the females in the comparison group.

Administrative Indices

The following scores show how much confidence can be placed in your CDI results. For most people, these scores fall in the normal range, indicating consistent and normal responses to the CDI. If one of your scores falls outside the normal range, you should take a second look at your CDI results. If you feel that your results do not reflect your true interests, you should retake the CDI.

Percentage of Scorable Responses: **100**
Infrequency Score: **45 (Normal)**
Incorrect Items: **0 (Normal)**
Reliability Index: **0.55 (Normal)**

Administrative Indices assist in evaluating the confidence with which your results can be interpreted. Your Administrative Indices are within normal limits.

Where To Go From Here

By completing the CDI, you have taken the first step toward the thoughtful selection of your career. You have learned more about yourself, your vocational interests, and how they compare to people studying and working in a variety of career areas. However, in order to choose a career successfully, you will have to learn more about your areas of interest. Listed below are a variety of suggestions to help you explore your career options.

Books

While the books listed along with your top 3 job groups will help you learn more about those areas, general books can help you with the process of choosing a career, obtaining the necessary education, and conducting a job search.

The books listed below can be found at Amazon.com, your local library or book store.

A-Z of Careers and Jobs. Hodgson, Susan. Kogan Page Ltd.. 2010. ISBN: 0749459808.

Best Answers to the 201 Most Frequently Asked Interview Questions. DeLuca, Matthew; and DeLuca, Nanette. McGraw-Hill. 2010. ISBN: 0071741453.

Get the Job You Want, Even When No One's Hiring: Take Charge of Your Career, Find a Job You Love, and Earn What You Deserve. Myers, Ford R.. Wiley. 2009. ISBN: 0470457414.

Guerilla Marketing for Job Hunters 2.0: 1,001 Unconventional Tips, Tricks and Tactics for Landing Your Dream Job. Levinson, Jay Conrad; Perry, David E.; and Hardy, Darren. Wiley. 2009. ISBN: 0470455845.

Instant Interviews: 101 Ways to Get the Best Job of Your Life. Allen, Jeffrey G.. Wiley. 2009. ISBN: 0470438479.

Selecting A College Major: Exploration and Decision Making. Gordon, Virginia N.; and Sears, Susan J.. Prentice Hall. 2009. ISBN: 0137152795.

What Color Is Your Parachute? 2010: A Practical Manual for Job-Hunters and Career Changers. Bolles, Richard N.. Ten Speed Press. 2009. ISBN: 1580089879.

Career Match: Connecting Who You Are with What You'll Love to Do. Zichy, Shoya; and Bidou, Ann. Amacom. 2007. ISBN: 0814473644.

The Career Guide for Creative and Unconventional People. Eikleberry, Carol. Ten Speed Press. 2007. ISBN: 1580088414.

Who Gets Promoted, Who Doesn't and Why: 10 Things You'd Better Do If You Want to Get Ahead. Asher, Donald. Ten Speed Press. 2007. ISBN: 1580088201.

Careers for Competitive Spirits & Other Peak Performers. Goldberg, Jan. McGraw-Hill. 2006. ISBN: 0071467769.

From New Recruit to High Flyer: No-Nonsense Advice on How to Fast Track Your Career. Karseras, Hugh. Kogan Page. 2006. ISBN: 0749445645.

Monster Careers Networking. Taylor, Jeff. Penguin Paperbacks. 2006. ISBN: 0143036017.

301 Smart Answers to Tough Interview Questions. Oliver, Vicky. Sourcebooks, Inc.. 2005. ISBN: 1402203853.

The Career Adventure: Your Guide to Personal Assessment, Career Exploration, and Decision Making. Johnston, Susan M.. Prentice Hall. 2005. ISBN: 0131149695.

What Color Is Your Parachute? Workbook, revised: A Practical Manual for Job Hunters and Career Changers. Bolles, Richard N.. Ten Speed Press. 2005. ISBN: 1580087299.

Majoring in the Rest of Your Life: Career Secrets for College Students. Carter, Carol. LifeBound. 2004. ISBN: 0974204420.

Monster Careers. Taylor, Jeff. Penguin Paperbacks. 2004. ISBN: 0142004367.

The Executive Job Search: A Comprehensive Handbook for Seasoned Professionals. Wood, Orrin. McGraw-Hill. 2003. ISBN: 0071409424.

Rites of Passage at \$100,000 to \$1 Million+: Your Insiders' Lifetime Guide to Executive Job-Changing and Faster Career Progress in the 21st Century. Lucht, John. Viceroy Press. 2000. ISBN: 0942785304.

Activities

Use the general activities listed below to structure your career exploration process.

Gather Information About Yourself

- Take a look at your school marks to see what subject areas are your strongest. See how your marks relate to your top job groups and make decisions accordingly.
- Make a list of your physical, mental, interpersonal, informational, and practical skills. Look into how to improve the skills that relate to your career matches.
- Make a list of the qualifications you have, i.e. courses, degrees, certificates, diplomas, and licenses. Check to see whether your qualifications match those required for the careers you are interested in.
- Explore your values and think about how your moral, political, and religious beliefs may affect your career decisions.
- Consider how important public contact, compensation, opportunities for advancement, challenge, travel, work environment, location, family responsibilities, and hobbies are to you. Relate these preferences to your job groups.

Gather Information About Careers

- Check out the descriptions of occupations in your top three job groups and your other high job groups. Visit the **National Occupational Classification** at www5.hrsdc.gc.ca/noc/, and the U.S. **Occupational Outlook Handbook** at www.bls.gov/oco.
- Check out the official job site of the **Canadian Federal Government** for valuable employment information at <http://jobs-emplois.gc.ca>.
- Explore your local library to find books, periodicals, newspapers, and other resources related to your potential career paths.
- Visit job fairs in your area to learn more about what companies are hiring and what positions related to your high job groups are currently in demand.
- Watch educational movies on individuals in the careers that you may be interested in. Contact your local library, school, or video store for a list of titles.
- Read magazines that focus on career trends and issues as well as on industries that relate to your top occupational interests.
- Find out what it is like to actually work in a certain occupation. Read interviews from people in careers that you may be interested in at www.jobprofiles.org.
- Explore an exhaustive list of career resources, career links, and industry information on the web at www.rileyguide.com.

Start Decision Making and Action Planning

- Check out College and University Fairs to find schools that have programs that relate to your possible career path. Or search for suitable schools online at www.schoolfinder.com, www.canadian-universities.net, and www.campusstarter.com.
- Research ways to finance an education in the area that interests you. Visit www.studentawards.com for information on available scholarships and financial aid.
- Take extra classes that relate to your potential career path. Contact your local high schools, colleges, universities, and private organizations for more information.
- Attend Resume Writing and Interview Workshops to prepare yourself for job searching.
- Get the work experience you need by being an intern in a position that matches your career interests. Visit www.careeredge.ca for more information on internship possibilities.
- Start searching for jobs in your field online. Check out www.jobpostings.ca, www.Jobbank.gc.ca, and www.workopolis.com for job listings, resume posting and more.

Career Directions Inventory (CDI)

Counsellor's Summary Report

Name:
 Gender: **Female**
 Report Date: **December 11, 2015**

Basic Interest Scales

Scale	Percentiles			Female Percentiles					
	Comb.	Male	Female	Low 0	20	Average 40 60		80	High 99
Administration	62	63	62						
Art	21	25	17						
Clerical	56	67	47						
Food Service	12	16	9						
Industrial Art	10	2	17						
Health Service	75	82	69						
Outdoors	21	12	31						
Personal Service	70	94	45						
Sales	56	54	58						
Science	98	97	99						
Teaching/Social Service	32	48	17						
Writing	62	65	60						
Assertive	36	24	48						
Persuasive	75	76	73						
Systematic	52	49	54						

General Occupational Themes

Scale	Percentiles			Female Percentiles					
	Comb.	Male	Female	Low 0	20	Average 40 60		80	High 99
Realistic/Practical	11	4	19						
Enterprising	60	56	65						
Artistic/Communicative	37	42	33						
Social/Helping	60	75	46						
Investigative/Logical	93	90	96						
Conventional	70	78	63						
Serving	34	54	15						

