

C A R E E R P L A N N I N G G U I D E

Job Title	Job Description	Working Conditions	Education and Training	Employment Opportunities	Estimated Wages
Health					
<i>Dental Hygienists</i>	Work with dentists, cleaning and polishing teeth, taking X-rays and impressions, and instructing patients in proper dental care.	Office setting	University	↑	\$13,588
<i>Dentists</i>	Fill cavities, straighten teeth, treat gums, provide and fit dentures, perform corrective oral surgery and educate patients on the prevention of dental problems.	Office setting	University	↑	\$87,610
<i>Nurses</i>	Give nursing care to the sick, injured and infirm in public hospitals, clinics, health agencies and private homes. Provide nursing advice, assist physicians and give prescribed treatment.	Location may vary Requires being on feet for long periods	College and/or university	↑	\$26,894
<i>Nursing Assistants</i>	Provide routine nursing care to patients while working under the direction of a registered nurse or physician. Take and record temperature, pulse, respiration and blood pressure, give baths and feed patients.	Location may vary Requires being on feet for long periods	College	↑	\$17,899
<i>Occupational Therapists</i>	Plan and carry out treatment plans to develop skills, maintain abilities and rehabilitate people with physical and/or mental disabilities.	Indoors. Requires physical activity	University	↑	\$26,885
<i>Pharmacists</i>	Dispense medicines prescribed by physicians, dentists and veterinarians. Maintain patient profiles, analyze and test drugs and give information on the uses and effects of prescription and non-prescription drugs.	In a pharmacy or hospital Requires being on feet for long periods	University	—	\$36,907
<i>Physicians and Surgeons</i>	Prevent, diagnose and treat illnesses. Conduct medical examinations, prescribe and give treatment for diseases and injuries, apply preventive medical techniques and perform surgeries.	In a hospital, clinic, or office. Requires physical and mental stamina	University	↑	\$104,236
<i>Physiotherapists</i>	Plan and carry out programs of physical treatment to rehabilitate injured or disabled patients. Direct and aid patients in activities to assist in muscle restoration and joint mobility, using ramps, tracks and tractions.	Location may vary Physically demanding	University	↑	\$21,931
<i>Radiological Technologists and Technicians</i>	Prepare the proper amount of radioactive materials for patients, operate X-ray equipment and give prescribed dosages of radiation to cancer patients.	In a hospital	College	↑	\$30,763
Sciences, Technology and Engineering					
<i>Agrologists</i>	Research animals, plants, soil composition, water conservation and farm management to improve the quality and quantity of farm products.	Indoors and outdoors	University	—	\$34,097
<i>Civil Engineers</i>	Design and supervise the construction of bridges, highways, railroads, airports, irrigation and drainage systems and other structures.	Office setting and outside at the work site	University	—	\$40,496
<i>Draughting Occupations</i>	Develop working blueprints or plans from sketches prepared by designers, engineers or architects.	Office setting	College	—	\$24,933
<i>Electrical Engineers</i>	Seek cost-effective solutions to design, construction and maintenance problems in such areas as telecommunications, avionics and power generation and transmission.	Indoors and outdoors	University	—	\$38,894
<i>Engineering Technologists and Technicians</i>	Work with engineers, architects and scientists to develop new products or in setting up and monitoring industrial production systems.	Office setting or outdoor	College	—	\$29,001
<i>Industrial Engineers</i>	Analyze methods, quality control and plant layouts to maintain a safe and efficient integration of personnel, machinery and materials in an industrial setting.	Mainly inside on a plant floor	University	—	\$35,211
<i>Laboratory Technologists and Technicians</i>	Perform tests to help identify and treat health problems and illnesses, using knowledge of scientific principles and medical laboratory practices.	In a hospital	College	↑	\$27,100
<i>Mechanical Engineers</i>	Supervise or conduct the studies, design, construction and maintenance of machines, mechanisms and processes.	Office setting or at a plant	University	—	\$40,731
<i>Surveyors</i>	Take measurements of land to determine boundaries, elevations and locations for construction, maps and mines. Measure sea, river and lake beds for charts, channels and construction of marine structures.	At the survey site, requires physical activity	University	—	\$21,521
<i>System Analysts, Computer Programmers and Related Occupations</i>	Plan, implement and control electronic data-processing services and program computer systems. Provide advice on the availability, use and capabilities of technological development.	Office setting, with some travel	College and/or university	↑	\$27,084
Social Sciences and Teaching					
<i>Lawyers and Notaries</i>	Interpret law and advise clients by pleading cases or conducting prosecutions in court and by drawing up and certifying legal documents.	Indoors, with some travel	University	—	\$55,146
<i>Psychologists</i>	Study intelligence and behavior, such as thinking, learning, memory and personality, using controlled experiments to test hypotheses and other data. Recommend or provide treatment of psychological problems.	Office setting	University	↑	\$32,849
<i>Social Workers</i>	Help individuals, families and groups deal with personal, social, financial and other adjustment problems. Provide counselling to clients, recommend solutions and arrange assistance.	Office setting, with some travel	University	↑	\$26,224
<i>Teachers - Elementary</i>	Teach students from Grades 1 to 6, presenting material through talks, demonstrations and games. Help develop attention skills, personal and social skills, self-confidence and ability to cope with problems.	In a school	University	↓	\$37,874
<i>Teachers - Secondary</i>	Teach students from Grades 7 to 12 through lectures, labs, and discussions. Prepare course outlines, assign and correct homework, maintain discipline and may be involved in extra-curricular activities.	In a school	University	—	\$36,512
Explanation of terms:					
<p><i>Education and Training</i> is the level of education, training and/or experience that is usually required by employers; <i>Employment Opportunities</i>: This indicator takes into account forecast employment growth and attrition between 1992 and 1997. Opportunities are average (—) if they fall within the middle 50 per cent of forecast opportunities, they are above average (↑) if they are higher, and below average (↓) if there are fewer forecasted opportunities; <i>Estimated Wages</i> are for 1990 and are calculated from the 1986 Census data which measured earned income in 1985. Wages have been projected using income inflators available from Statistics Canada. This estimate of wages reflects full-time average wages.</p> <p><i>Economic Services</i> is a branch of Employment and Immigration Canada's Regional Office in Fredericton. For more information about this publication or others, please contact us at (506) 452-3725.</p>					