



SOS Presents:



Careers in the Health Care Field

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Agenda

- Careers in Health Care
- The Basics
- Lab/Research Technician
- Nursing
- Physician Assistant
- Dietician/Nutritionist
- Speech Language Pathologist

- Food Scientist
- Occupational Health & Safety
- Public Health Inspector
- Skills to Keep In Mind
- Additional Resources



What do we mean when we say “Careers in Health Care?”

- Health care industry is growing for 2 reasons
 - Aging populations
 - New technologies to assist in prolonging life
- Looking for a career that will place you in an office (clinic), hospital or rehab facility setting
- Working towards the common goal of enabling people to live a longer and healthy life



The Basics



- Medicine
 - Dentistry
 - Physio/Occupational Therapy
 - Optometry
 - Pharmacy
 - Chiropractry
- There are a number of careers that you can pursue in the healthcare field outside of those listed to the left.
 - Visit:
<http://www.superscholar.org/careers/health-care/>

Lab/Research Technician



- Looking for BSc or MSc generally in biology-related field
- Experience is required – ie should know basic lab techniques – Research practicums and Thesis is useful experience
- Working in Hospital, Research Institute, Private company or University
- Test samples of tissues, body fluid, etc.



Lab/Research Technician



- Pay: \$30-80K per year
- 35-45 hr weeks
- Evening and weekend shifts – time consuming
- Safety certified – WHIMIS, using protective equipment, etc.
- Handy with computer and lab techniques



Speech Language Pathologist & Audiologists



- Concerned with the prevention, identification, diagnosis and (re)habilitation of children and adults with hearing impairments and communication disorders
- Use a wide variety of specialized instrumentation and procedures to assess hearing, speech and language



Speech Language Pathologist & Audiologists



- Provide consultative and direct treatment services
- Committed to ongoing research, public education, and training of new speech-language pathologists and audiologists



Speech Language Pathologist



- Diagnose communication disorders (comprehension and expression) and swallowing disorders
- treatment in language, speech, voice, and/or swallowing disorders
- facilitate accent reduction, language stimulation, inclusion strategies and teaching adaptation

Speech Language Pathologist



- Masters degree in Speech-Language Pathology
- Registration with College of Audiologist and Speech Language Pathologists of Ontario (CASLPO)
- Experience with assessment and treatment of acquired communication disorder and swallowing difficulties



Speech Language Pathologist



- Full time and Part time work
- Hospitals, Rehab Facilities, Schools, Private Practice, Government etc.
- Pay: \$25-45/hr ~\$45-100K
- Visit: <http://www.caslpo.com/>



Food Scientist

- knowledge of chemistry, physics, engineering, microbiology, biotechnology, and other sciences to develop new or better ways of preserving, processing, packaging, storing, and delivering foods



- discovering new food sources; analyzing food content, or searching for substitutes for harmful/undesirable additives
- develop ways to process, preserve, package, or store food according to industry and government regulations

Food Scientist



- Enforce government regulations, inspecting food processing areas and ensuring that sanitation, safety, quality, and waste management standards are met
- Test new products for flavor, texture, color, nutritional content, and adherence to government and industry standards
- Check raw ingredients for maturity or stability for processing and finished products for safety, quality, and nutritional value

Food Scientist



- Some of the career opportunities available to food scientists and technologists include:
 - » Food inspection and grading.
 - » Food research involving storage, marketing and eventual use by the consumer.
 - » New product development and product improvement.
 - » Food packaging.
 - » Technical and laboratory services.
 - » Food plant management or production supervision.
 - » Quality control.
 - » Hygiene in the food plant.

Food Scientist



- Master's degree to work in basic or applied research
- Bachelor's degree is sufficient for some jobs in applied research or product development, or jobs in other occupations related to food science.
- Understanding of basic business principles
- Ability to apply statistical techniques

Food Scientist



- Ability to use computers to analyze data and to control biological and chemical processing.
- The median annual salary for a Food Scientist is **\$57,000**.
- Pay \$32-101K



Public Health Inspector



- Public Health Inspectors protect the public from physical, chemical and biological hazards.
- professionals evaluate and monitor health and safety hazards and develop strategies to control risks
- ensure compliance with government regulations regarding sanitation, pollution control, and food safety.

Public Health Inspector



- Working with groups and communities to resolve environmental health problems;
- Assessing plans and specifications for various types of building;
- Conducting environmental surveys and inspections;
- Conducting monitoring programs of the natural environment to identify sources of pollution;

Public Health Inspector



- Carrying out and interpret various tests;
- Ensuring control of rodents, insects, communicable diseases, and air and water pollution;
- Inspecting restaurants, food processing facilities and liquor outlets; and inspecting water systems and sewage disposal systems

Public Health Inspector



- A bachelor degree in environmental health/science
- Completion of the Canadian Institute of Public Health Inspectors (CIPHI) qualifying exam
- Knowledge of local laws regarding public health and safety
- Experience with computers
- Driver's licence
- Ability to conduct research and prepare reports

Public Health Inspector



- Hours: 35/week
- Pay: \$30-45/hr ~ \$50-85K/year
- Working for the city, government, private companies, universities, school boards etc.

Skills to Keep In Mind



- **Research skills** (i.e. designing experiments, recording observations, organizing data and critically analyzing data and problem solving)
- **Investigation skills** (i.e. identifying problems, defining expected/potential results hypothesis testing)
- **Quantitative skills** (i.e. applying scientific concepts to problems, using laboratory equipment, utilizing statistical tests to predict outcomes, interpreting results).
- **Analytical Skills** (i.e. investigating components of problems/ideas, reasoning logically).

Skills cont'd



- Communication Skills
- Team Work Skills
- Experience – Volunteer and Work
- Professionalism
- Organization Skills
- Time Management Skills
- Leadership/Taking Initiative



Additional Sources



- <http://www.ama-assn.org/ama/pub/education-careers/careers-health-care.page>
- <http://www.peoplemenders.com/>
- <http://www.healthcarejob.ca/homePage>
- <http://www.utm.utoronto.ca/careers/pdf/CareersinHealthCare.pdf>
- <http://www.healthcarejobs.org/>
- <http://www.khake.com/page22.html>



Who is a Physician Assistant?



- Physician assistants (PAs) are health care professionals who support physicians in a range of health care settings.
- Under the overall supervision of a physician, PAs take histories, conduct physical examinations, order and interpret tests, diagnose and treat illnesses, counsel on preventive health care and may assist in surgery.
- PA's in the Ontario health-care system average salary is \$70,000 per year (get a \$10,000 bonus for working in under served areas).



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- The BScPA degree is delivered in collaboration with Northern Ontario School of Medicine (NOSM) and The Michener Institute for Applied Health Sciences (Michener).
- **1st year (3 semesters) is academically focused**
 - On-line learning at home in the majority of first year
 - 4 Mandatory Residential Blocks (attend class in person)



- **2nd year (3 semesters) is clinically focused**
 - 40 weeks of supervised direct clinical contact in rural and urban settings.
 - Half of the clinical practicum will be assigned in Southern Ontario, half in Northern Ontario.
 - Three mandatory 2 week residential blocks will occur



McMaster University



McMaster



- In 2008, McMaster became Ontario's first institutions in to launch a Physician Assistant Education Program
- 2 years over 24 months starting Sept.
 - Year 1: Clinical Science Course
 - Year 2: Clinical Training
 - Next: National Physician Assistant Certification Examination

Job Opportunities for PAs



- Come from those who have work and a budget, and foresee savings or new revenue opportunities from employing PAs
- In hospitals, jobs could include **hospitalist, ICU, surgical or ER assistants**
- In physician offices jobs could include PAs in **rostered family practices, surgical or diabetes clinics, or other chronic disease clinics**, such as heart failure, HIV, lipid, stroke prevention and geriatrics

Additional Resources



- <http://capa-acam.ca/>
- <http://www.healthforceontario.ca/Work/OutsideOntario/HealthProfessionalsOutsideOntario/OntarioPhysicianAssistantInitiative.aspx>



Nurses Make a Difference


The Nursing profession has 2 different categories



- Registered Nurse (RN), which include Nurse Practitioner (NP)
- Registered Practical Nurse (RPN)



RPNs must obtain a 2 or 3 year diploma in Practical Nursing



- Have the ability to make decisions independently and carry out the nursing responsibilities depending on how complex the condition is
- Typically, RPNs are able to care for clients with less complex conditions independently
- If the client's condition is complex, they must consult with an RN

RNs must obtain a 4-year bachelor's degree in Nursing



- RNs have the ability to make all the nursing need decisions independently regardless of the complexity of the client's condition
- NPs, which is a subclass of RNs, have the ability to diagnose, order and interpret diagnostic tests, prescribe pharmaceuticals and perform procedures within their legislated scope of practice

Nurse Practitioner (NP)



- These are RNs with either a master's in Nurse Practitioner or a post baccalaureate Nurse Practitioner certificate.
- There are 4 Nurse Practitioner exams offered:
 - Primary health care specialty certificate
 - Adult specialty certificate
 - Paediatrics specialty certificate
 - Anaesthesia certificate



Other resources



- <http://www.cna-nurses.ca/> (Canadian Nursing Association)
- <http://www.cno.org/en/> (College of Nurses of Ontario)
- <http://www.healthforceontario.ca/Work/InsideOntario/OntarioNurses.aspx> (Health Force Ontario)

Registered Dietitian



Who is a Dietician



- Registered Dietitians (RDs) in Ontario are uniquely trained food and nutrition experts
- Registered Dietitians work with a variety of health professionals such as MDs and social workers to manage nutrition for health promotion, disease prevention, and treatment of acute and chronic diseases.
- Registered Dietician vs. Nutritionist

Workplace Settings



- community health centers
- family health teams
- home care, hospitals
- long-term care homes
- diabetes education centers
- public health
- sports and recreation facilities
- food industry
- academic and research settings
- private practice.

Why would I need to see a dietitian?



- Weight loss or weight gain
- Prevention or management of chronic diseases like diabetes, heart disease, high blood pressure, cancer, osteoporosis and kidney disease.
- Menu planning for busy families, physically active lifestyles, vegetarian diets and budget conscious individuals.

Why would I need to see a dietitian? continued

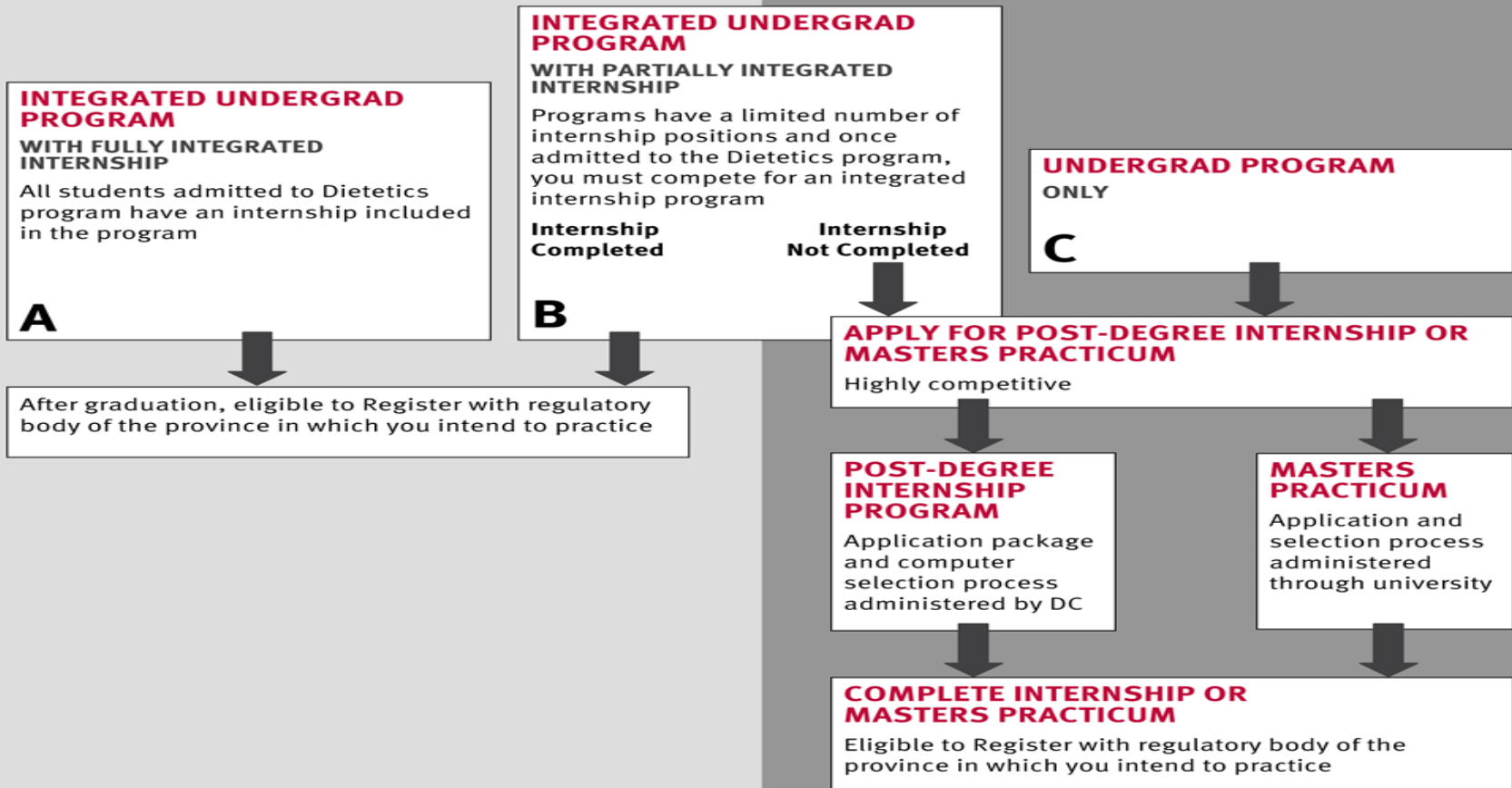


- minerals Feeding your baby or toddler
- Sports nutrition
- Digestive problems
- Food allergies
- Making the right food choices to get enough calcium, iron, folate and other vitamins and minerals

Becoming a Registered Dietitian

Integrated Internship Route

Post-degree Internship Route



Ontario Wages



- Entry salary in Ontario was as much as \$54,000 per year in 2009 (Payscale.com)
- Those with 10+ years of experience on average make \$82,500 (Payscale.com)

Additional Information



- <http://www.dietitians.ca/>
- <http://www.cdo.on.ca/en/default.asp>
- <http://public.careercruising.com/en/>
- Career Centre :Wednesdays BC 205 or 202
McLaughlin college

Questions?
Comments?

Thank You!

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