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Colleges Conquering Covid

Collèges contre Covid

By/Par Jackie Fritz

Now, more than ever, health care workers are needed on the front lines of the Covid pandemic. Doctors and nurses have been working long hours to help their patients. But there are many other workers who have also been providing direct patient care.

These are just a few of the many professions that have been active in the fight against Covid.

PRIMARY CARE PARAMEDICS

Primary Care Paramedics (PCPs) are a very important part of the healthcare team. As members of Emergency Medical Services, PCPs are usually sent on-scene to provide basic life support as well as trauma and medical care.

PCPs are trained for the responsibilities of patient assessment, treatment, stabilization and transport.

College course length is usually one to two years.

Primary Care Paramedics earn, on average, approximately \$66,000 per year but can go as high as \$90,000.

RESPIRATORY THERAPIST

Since the Covid-19 pandemic began, we have been hearing a lot about respiratory therapy and its importance in treating patients with the virus.

Respiratory therapists are responsible for treating diseases and infections related to the cardiopulmonary (heart and lung) system. While Covid is top of mind right now, Respiratory Therapists (RTs) also help treat patients with lung cancer, pneumonia,

Voici quelques-unes des nombreuses professions engagées dans une lutte active contre la COVID.

AMBULANCIERS PARAMÉDICAUX EN SOINS PRIMAIRES

Les ambulanciers paramédicaux en soins primaires (APSP) sont des acteurs très importants de l'équipe soignante. Membres des services médicaux d'urgence, ils sont généralement dépêchés sur place pour fournir des soins immédiats en réanimation et en traumatologie et des soins médicaux de base.

Les APSP sont formés pour évaluer et traiter les patients, stabiliser leur état et les transporter.

La formation se donne dans les collèges ou cégeps et dure généralement un an ou deux.

Le salaire annuel moyen est d'environ 66 000 \$, mais peut atteindre 90 000 \$.

INHALOTHÉRAPEUTES

Depuis le début de la pandémie, il est beaucoup question de l'importance de l'inhalothérapie dans le traitement des patients qui ont contracté le virus.

Les inhalothérapeutes traitent les maladies et les infections qui touchent le système cardiopulmonaire (cœur et poumons). La COVID vient forcément à l'esprit, mais les inhalothérapeutes participent aussi au traitement du cancer, de la pneumonie, de la bronchite, de l'asthme et de l'emphysème. Aux urgences,



La pandémie de COVID nécessite plus que jamais un bataillon de personnel soignant en première ligne. Médecins et personnel infirmier travaillent pendant de longues heures, mais beaucoup d'autres personnes participent directement à la prestation de soins aux patients.

bronchitis, asthma and emphysema. RTs can also be found in the emergency room where they provide life-saving care to trauma patients. They work with everyone including premature infants with underdeveloped lungs to senior citizens with advanced cardiopulmonary diseases and are responsible for managing life support systems. They also analyze blood samples, perform tests, assess vital signs, oversee rehab activities and assess lung capacity.

Respiratory therapists will find employment in hospital emergency rooms and ICUs, newborn and pediatric intensive care units or pulmonary diagnostics laboratories.

In Canada, the average salary for an RT is around \$35 per hour and the course length is two to three years.

MEDICAL RADIOLOGICAL TECHNOLOGIST (X-RAY TECHNICIAN)

Medical Radiological Technologists combine sophisticated technology with direct patient care to produce high quality images while exposing their patients to the lowest dose of radiation possible.

They work in four areas: radiological technology, nuclear medicine, radiation therapy and magnetic resonance imaging. Each discipline requires unique skills and specialized education.

MRTs must have a thorough knowledge of anatomy, physiology, and pathology.

The average salary for an MRT in Canada is around \$35 per hour.

MRTs generally go to college for around two years.

ils fournissent des soins essentiels aux victimes de traumatismes. De fait, les patients sont très divers : du bébé prématuré dont les poumons ne sont pas pleinement développés à la personne âgée parvenue à un stade avancé d'une maladie cardiopulmonaire. Les inhalothérapeutes sont responsables des systèmes de maintien des fonctions vitales. Ils analysent des échantillons sanguins, font passer des tests, évaluent les signes vitaux, supervisent les activités de réadaptation et mesurent la capacité pulmonaire.

Les inhalothérapeutes travaillent dans les services d'urgence et de soins intensifs des hôpitaux, dans les unités néonatales et pédiatriques de soins intensifs et les laboratoires de diagnostic des maladies pulmonaires.

Au Canada, leur salaire horaire moyen est d'environ 35 \$ et le cours dure de deux à trois ans.

TECHNICIENS EN RADIOLOGIE (MÉDICALE)

Les techniciens en radiologie allient une technologie de pointe aux soins directs aux patients pour produire des images de qualité en réduisant au minimum la dose de radiation.

Il y a quatre disciplines possibles : technologie de la radiologie, médecine nucléaire, radiothérapie et imagerie par résonance magnétique. Chacune exige des compétences particulières et une formation spécialisée.

Les techniciens en radiologie doivent avoir des connaissances approfondies en anatomie, en physiologie et en pathologie.

Leur salaire moyen, au Canada, est d'environ 35 \$ de l'heure.

Le cours dure en général deux ans.



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MRI TECHNOLOGIST

MRI Technologists use the magnetic resonance imaging scanner to prepare diagnostic images for the doctor. They must be able to position the patient properly depending on the area to be scanned. They also maintain the imaging equipment. MRI Technologists need to have technical skills and physical strength to operate the equipment.

MRI Technicians usually attend college for two years but most often also need to have their MRT (medical radiation technologist) course or a Bachelor's Degree in a related field first.

On average, MRI Technicians in Canada earn around \$70,000 per year. Entry level salaries are about \$43,000 a year.

LAB TECHNICIAN

Laboratory Technicians are trained in collecting blood and tissue samples from patients. Attention to detail is a must as they will need to log all patient samples. Lab techs also perform routine lab tests and clean and maintain laboratory equipment.

Lab techs are found in hospitals, laboratories, clinics, veterinary laboratories and research labs.

College courses for lab tech students vary in length and usually include such subjects as chemistry, mathematics, laboratory techniques, haematology, microbiology, specimen collection and quality lab management.

A laboratory technician makes an average of \$50,000 per year.

LICENSED PRACTICAL NURSE

A significant part of frontline health care, Licensed Practical Nurses (LPNs) work alongside other allied health care professionals to observe, assess, monitor and document patient symptoms and progress. They also educate patients on nutrition, medication management, self-care and disease prevention, as well as perform medical procedures and administer medications.

The two-year diploma program is available at colleges throughout the country and graduates will find employment in hospitals, long term care homes, clinics and community health.

The average salary for an LPN is just over \$50,000 per year.

TECHNICIENS EN IMAGERIE PAR RÉSONANCE MAGNÉTIQUE

Les techniciens en imagerie par résonance magnétique (IRM) se servent d'un appareil d'IRM pour préparer des images dont le médecin se sert ensuite pour établir un diagnostic. Ils doivent savoir placer le patient dans la bonne position selon la zone à examiner. L'entretien de l'équipement fait aussi partie de leurs attributions. L'utilisation de l'équipement exige des compétences techniques et une certaine force physique.

Le cours dure généralement deux ans, mais les candidats doivent également faire d'abord un cours de technologie en radiation médicale ou être titulaire d'un baccalauréat dans une discipline connexe.

Au Canada, les techniciens en IRM gagnent environ 70 000 \$ par année au Canada. Le salaire d'entrée annuel est d'environ 43 000 \$.

TECHNICIENS DE LABORATOIRE

Les techniciens de laboratoire sont formés pour prélever des échantillons de sang et de tissus, qu'ils doivent enregistrer avec grande minutie. Ils font aussi des analyses en laboratoire au quotidien en plus de nettoyer et d'entretenir les appareils.

Milieu de travail : hôpitaux, cliniques, cliniques vétérinaires et laboratoires d'analyse et de recherche.

La formation, donnée dans des collèges, est de durée variable, et comprend des cours dans les disciplines suivantes : chimie, mathématiques, techniques de laboratoire, hématologie, microbiologie, techniques de prélèvement et gestion de la qualité des laboratoires.

Le salaire annuel moyen est de 50 000 \$.

INFIRMIERS AUXILIAIRES AUTORISÉS

Acteurs importants des soins de première ligne, les infirmiers auxiliaires autorisés (IAA) travaillent en équipe avec d'autres professionnels de la santé pour observer, évaluer et suivre les patients et noter leurs symptômes et leurs progrès. Ils renseignent les patients sur l'alimentation, la gestion des médicaments, la façon de prendre soin de soi et la prévention des maladies, en plus d'effectuer certaines interventions médicales et d'administrer des médicaments.

La formation, qui dure deux ans et mène à un diplôme d'études collégiales, est offerte partout au pays. Les diplômés travaillent dans des hôpitaux, des établissements de soins de longue durée, des cliniques et des centres de santé communautaire.

Le salaire annuel moyen est d'un peu plus de 50 000 \$.

HEALTH CARE AIDE

A health care aide supports people who can't manage their own care and may need help with activities of daily living including feeding, mobility, communication and other needs. They also observe and report on patient conditions.

Some of the courses covered to obtain a health care aide certificate include gerontology, community health, growth and development, human relations, activities of daily living and more.

The course is usually six months in length.

Health care aides typically work in hospitals, personal care homes, doctor's offices, home care, mental health settings, private care facilities and acute and extended care facilities.

While salaries for health care aides vary throughout the country, the average Canadian health care aide makes about \$19 per hour.

DIETARY AIDE

Dietary Aide isn't a career that immediately comes to mind when considering Covid care but a lot of Covid-19 patients are unable to eat. Dietary aides work with nutritionists and dieticians to prepare food for patients with a wide range of health conditions. In addition to preparing meals, Dietary Aides may also help with serving meals. Ensuring that food safety and hygiene procedures are followed is a very important part of being a Dietary Aide.

Courses are usually less than three months in length and cover topics including nutrition, institutional food preparation and service, and sanitation and safety procedures.

Dietary aides earn, on average, around \$16 per hour.

There are many other workers involved in patient care during the pandemic who are seldom mentioned but play a large role. The unsung heroes who are the backbone of the hospital like janitors, transport specialists and administrative clerks, just to name a few.

It truly is a team effort in the fight to treat and defeat the country's most dangerous health threat we've faced in generations. 🙌

PRÉPOSÉS AUX BÉNÉFICIAIRES

Les préposés aux bénéficiaires fournissent des soins liés aux activités quotidiennes, comme l'alimentation, les déplacements, la communication, etc. Ils observent l'état des patients et en rendent compte.

La formation dure généralement six mois et mène à un certificat. Elle comprend des cours dans les disciplines suivantes : gérontologie, santé communautaire, croissance et perfectionnement, relations humaines, activités de la vie courante.

Milieu de travail : hôpitaux, foyers de soins personnels, centres de soins en santé mentale, établissements de soins privés et établissements de soins de courte ou de longue durée.

Le salaire varie selon le lieu, mais la moyenne canadienne tourne autour de 19 \$ de l'heure.

AIDES DIÉTÉTIQUES

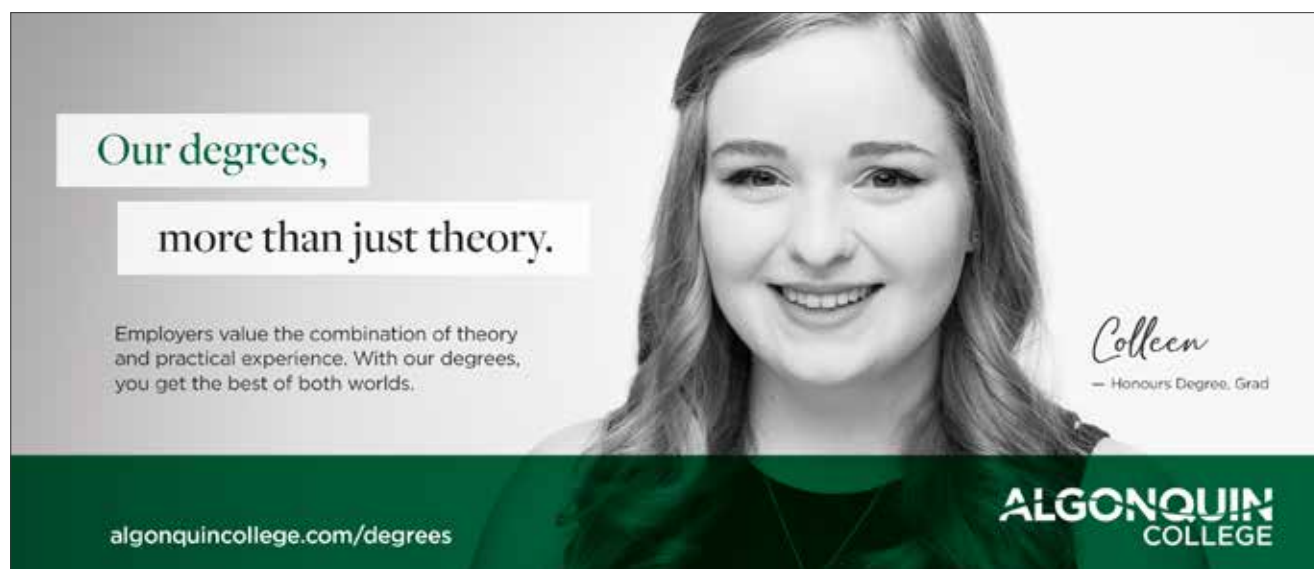
L'aide diététique n'est pas un métier qui vient immédiatement à l'esprit quand on pense aux soins en temps de pandémie; pourtant, un bon nombre de patients atteints de la COVID 19 sont incapables de manger. Les aides diététiques travaillent avec les nutritionnistes et les diététistes à la préparation des aliments pour des patients souffrant de diverses maladies. Ils participent également au service des repas. Ils veillent notamment au respect des mesures d'hygiène et d'innocuité des aliments, ce qui est un volet très important de leur tâche.

La formation dure généralement moins de trois mois et couvre des sujets comme la nutrition, la préparation et le service des repas en milieu de soins et les procédures de sécurité et d'assainissement.

Le salaire horaire moyen est d'environ 16 \$.

Depuis le début de la pandémie, beaucoup d'autres personnes participent aux soins des malades et jouent un rôle d'importance, même si l'on en parle rarement. Pensons aux concierges, aux spécialistes du transport et au personnel administratif, pour ne nommer que ceux-là.

La lutte contre la plus grave menace sanitaire que notre pays ait connue depuis des générations est sans contredit un travail d'équipe. 🙌



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Graduate's Profile: Profil d'une diplômée :

Laura J. Wilson

By/Par Jackie Fritz

Laura Wilson at work in Ambulatory Care during the start of the Covid-19 pandemic.

Photo courtesy of: Laura Wilson

Laura J. Wilson MRT (R) (MR) always knew she wanted a career in the health care field but she just wasn't sure exactly what career path she wanted to follow.

Laura J. Wilson, MRT (R) (MR), a toujours été attirée par les soins de santé, sans savoir toutefois quel parcours choisir.

"After some research, I discovered more about the MRT profession and what it entailed. The more I looked into it, the more fascinated I was. It combined both patient care and advanced technology to provide diagnostic imaging services, and I knew it would be a good fit for my personality," Wilson says.

Wilson is now a Radiological (X-ray) Technologist and Magnetic Resonance Technologist at an acute care hospital serving a large region of Northwestern Ontario.

"I wouldn't change my career choice for anything. It's truly a fulfilling and exciting profession. MRTs are considered vital health care professionals and play a key role in the diagnosis and treatment of patients," she enthuses.

Medical radiation technologists (MRTs) use their expertise in imaging and radiation to produce clear images, while exposing patients to the least amount of radiation as possible. They have the ability to manage complex diagnostic technology while providing direct patient care.

"I strive to ensure that a patient's time in either the X-ray or MRI department meets all of their expectations by providing a caring, safe, and friendly environment while providing diagnostic imaging services in my field. I truly enjoy the daily interactions that I have with my patients and my coworkers," says Wilson.

To be accepted into an MRT course, high school students would be wise to focus their studies on English and Math, as well as Physics, Biology and Chemistry.

Wilson shares, "The year I was accepted into the program, students needed a high school average of around 90% minimum to get accepted. Most colleges offer a one-year bridging program called Pre-Health if your high school marks are too low though."

« Après quelques recherches, j'ai mieux compris la profession de technologue en radiologie médicale. Plus j'approfondissais le domaine, plus j'étais fascinée. Il combine en effet les soins aux patients et une technologie de pointe en un service d'imagerie diagnostique ce qui, je le savais, correspondait bien à ma personnalité », dit-elle.

Laura Wilson est maintenant technologue en radiologie et technologue en imagerie par résonance magnétique (IRM) dans un hôpital de soins de courte durée qui sert une vaste région du nord-ouest de l'Ontario.

« Je ne changerais de carrière pour rien au monde. C'est vraiment une profession gratifiante et stimulante. Les technologues en radiologie médicale sont considérés comme des éléments essentiels d'une équipe de professionnels de la santé, et pour cause : ils jouent un rôle dans l'établissement du diagnostic et dans le traitement des patients. »

Ils mettent leur connaissance de l'imagerie et de la radiographie à profit pour produire des images claires tout en exposant les patients à des doses minimales de radiations. Ils exploitent une technologie de diagnostic complexe et fournissent des soins directs aux patients.

« Je veille à ce que le temps passé par un patient au service de radiographie ou d'IRM réponde à toutes les exigences tout en fournissant des soins attentifs, en ménageant un environnement sûr et convivial et en produisant des images en vue du diagnostic. J'apprécie vraiment l'interaction quotidienne avec mes patients et mes collègues », ajoute Mme Wilson.

Le programme de technologie en radiologie médicale est assorti de préalables en anglais, en mathématiques, en physique, en biologie et en chimie.

Mme Wilson précise : « Quand j'ai été admise, l'an dernier, il fallait une moyenne d'environ 90 % au secondaire. Si



Wilson decided to expand on her education in the MRT course and also graduated from the Magnetic Resonance Imaging program at Cambrian College.

An MRI scan involves a large magnet and radio waves to create detailed, cross-sectional images of internal organs.

“It’s so fascinating that we can use radio waves and magnetism to create images of body structures by aligning the protons of hydrogen atoms within our bodies. It basically measures how much water is in different tissues, maps the location, and then generates a detailed image. It gets much more complex than that, but that’s the basic idea,” Wilson explains.

Wilson adds, “Admission into the MRI program requires that the applicant be a graduate from an accredited MRT program or at least have a Bachelor’s degree in a related field. The MRI program involved a semester of in class learning covering a variety of subjects such as MR physics, positioning and IV insertion labs, MR techniques, MR safety, MRI pathology, and cross-sectional anatomy courses with an additional semester of placement in the MRI department at an approved hospital.”

While Wilson found that the course load was quite heavy, she also enjoyed her post-secondary education.

“I think what I liked most about my college courses is that they were very relevant and tailored to the profession that I was pursuing,” she says. “We learned everything in depth, so I felt like I had a great foundation of knowledge when I entered the clinical setting. The courses were also very interesting and engaging.”

Wilson enthuses, “The constant challenge and variety of my job makes it never boring, especially with working in two diagnostic imaging specialties. No two days are ever the same. It also has a nice combination of being both physically and mentally engaging. I love working with my awesome coworkers and knowing that at the end of the day, I helped a lot of patients and made a positive impact.”

A career in health care can be very rewarding. Health care workers truly make a difference in the lives of patients and their families. 🙌

toutefois vos résultats sont inférieurs, vous trouverez dans la plupart des collèges ontariens un programme de transition d’un an appelé Pré-santé. »

Mme Wilson a choisi d’élargir le champ de sa formation et est également diplômée du programme d’IRM du Collège Cambrian.

L’IRM combine l’action d’un puissant aimant et d’ondes radio pour créer une image en coupe détaillée des organes internes.

« C’est fascinant de pouvoir utiliser les ondes radio et le magnétisme pour obtenir des images des structures corporelles en alignant les protons des atomes d’hydrogène du corps. Essentiellement, le système mesure la teneur en eau de différents tissus et localise le tout pour ensuite produire une image détaillée. Bien entendu, le procédé est beaucoup plus complexe, mais c’est l’idée de base », explique Laura Wilson.

« Pour être admis à un programme d’IRM, il faut être technologue diplômé en radiologie médicale ou, pour le moins, titulaire d’un baccalauréat dans un domaine connexe. Le programme d’IRM comprend : a) un semestre en classe, avec des cours sur la physique appliquée à la radiologie médicale, les techniques de radiologie médicale, la sécurité, l’imagerie de pathologies diverses et les coupes anatomiques, ainsi que des laboratoires de positionnement et d’insertion de cathéters intraveineux; et b) un semestre de stage en IRM dans un hôpital agréé. »

Malgré une lourde charge de cours, Laura Wilson a bien aimé sa formation postsecondaire.

« Ce que j’ai particulièrement apprécié, c’est que les cours étaient vraiment adaptés à la profession que je visais. Nous avons tout appris en profondeur. J’avais donc une solide base de connaissances quand j’ai fait mon stage. Les cours sont très intéressants et interactifs. »

Elle poursuit, enthousiaste : « Mon travail est très varié et motivant. Je ne m’ennuie jamais, d’autant que j’ai combiné deux spécialités de l’imagerie diagnostique. Chaque jour est différent. C’est un travail à la fois mental et physique. J’ai des collègues extraordinaires et je peux dire chaque jour que mes interventions sont utiles et que j’aide beaucoup de patients. »

Une carrière en santé peut être très gratifiante : quel plaisir, en effet, de contribuer au mieux-être des patients et de leur famille. 🙌

Behind the Scenes:

A Glimpse Into Healthcare Service Careers

By/Par Jackie Fritz

En coulisse

Coup d'œil sur les carrières du domaine de la santé

Healthcare is essential to our communities and with our aging population the need for healthcare workers is going to be **more important than ever before.**

Behind the scenes or on the frontlines of health care, there are so many careers in the health sciences field that will appeal to a wide range of personalities, and colleges across the country are ready to provide the practical education required.

According to the Government of Canada Job Bank, the job outlook for patient service and other assisting occupations in support of health services have a an unemployment rate of only 3%, well below the national average.

As with most health sector occupations, the need for long-term care will increase due to the rising numbers of our aging population. As well, with the number of seniors continuing to grow, the need for hospital care will also increase.

Les carrières en sciences de la santé sont très nombreuses et, qu'elles s'exercent en coulisse ou sur le front, il y en a pour toutes les personnalités. Les collèges et cégeps du pays sont d'ailleurs prêts à fournir la formation nécessaire.

Selon le site Guichet-Emplois du gouvernement du Canada, les perspectives d'emploi dans les services aux patients et le soutien aux services de santé sont plutôt bonnes : le taux de chômage y est de 3 % seulement à l'échelle nationale, ce qui est bien inférieur à la moyenne.

Comme dans la plupart des autres secteurs de la santé, la demande de soins de longue durée ne peut qu'augmenter, compte tenu du vieillissement de la population. Le même facteur entraîne à la hausse la demande de soins hospitaliers.



Toute collectivité a besoin de soins de santé, sans compter que le vieillissement de notre population ne peut qu'accroître l'importance des travailleurs de la santé.

Healthcare courses offered by Canadian colleges and institutes include such careers as paramedics, practical nurses, imaging and lab technicians, dental hygienists, opticians and personal support workers. There are also many jobs that don't involve direct patient care but are under the medical umbrella, such as health information management workers, clinical researchers, medical office administrators, medical transcriptionists, pharmacy technicians and the list goes on.

Kristjana Fjelsted RN is a Nurse Therapist at a large hospital. She says, "I would never be able to do my job if it wasn't for the support staff. They are an integral part of the healthcare team and are critical to making sure my patients receive quality care."

Les collèges et les instituts du Canada offrent des programmes de formation aux aspirants ambulanciers paramédicaux, infirmiers auxiliaires, technologues en IRM, techniciens de laboratoire, hygiénistes dentaires, opticiens et préposés aux bénéficiaires. Le domaine englobe aussi de nombreux emplois sans contact direct avec les patients, par exemple : travailleurs en gestion de l'information, spécialiste en recherche clinique, administrateur de clinique, transcripteur médical, technicien en pharmacie. Et la liste est loin d'être exhaustive.

Kristjana Fjelsted, IA, est infirmière-thérapeute dans un grand hôpital. Elle estime qu'elle ne pourrait « jamais accomplir [son] travail sans le personnel de soutien, qui fait partie intégrante de l'équipe et qui [lui] permet de fournir des soins de qualité à [ses] patients. »



“Behind the scenes or on the frontlines of health care, there are so many careers in the health sciences field that will appeal to a wide range of personalities.”

One important member of the care team is the Health Information Manager who uses a combination of business, science and information technology to collect, analyze and organize health data, providing information that is used by hospital management, government funding bodies and researchers to optimize health care delivery.

Health Information Managers must have a thorough understanding of health information privacy and the legal issues which may arise.

HIMs are found in hospitals, family practice clinics, research agencies, legal firms, community health services and government agencies.

Another behind-the-scenes but very important position is that of Medical Office Administrator. They apply their knowledge of electronic medical records to manage files, look after billing and accounting practices and manage offices in health services environments. Some other duties may include booking appointments, processing insurance payments and managing patient records and test results.

Medical office administrators will find employment in doctor’s offices, hospitals, resident care facilities and professional healthcare offices.

Julie Meadows is a medical office administrator for a family practice clinic. She says, “I get a great deal of job satisfaction from my career as a medical office administrator. I knew I wanted to do something in the healthcare field because I really love helping people but I can’t stand the sight of blood. So

Parmi ces acteurs précieux, on trouve les gestionnaires de l’information sur la santé, qui manient la technologie des opérations, de la science et de l’information afin de recueillir et d’analyser des données sur la santé puis de les organiser pour fournir une information utile à la direction des hôpitaux, aux organismes subventionnaires gouvernementaux et aux chercheurs, le tout en vue d’optimiser la prestation des soins.

Ils doivent avoir une compréhension approfondie de la protection des renseignements personnels en matière de santé, notamment sur le plan juridique.

Ils travaillent dans des hôpitaux, des cliniques de médecine familiale, des sociétés de recherche, des organismes de santé communautaire et des organismes gouvernementaux.

Les administrateurs de services de santé font aussi partie de ce personnel de coulisse si important. Ils mettent à profit leur connaissance des dossiers médicaux électroniques pour gérer les fichiers, la facturation et la tenue de livres, et administrer des bureaux dans le domaine de la santé. Ils sont aussi appelés à prendre les rendez-vous, à traiter les indemnités des compagnies d’assurance ainsi qu’à gérer les dossiers des patients et les résultats d’analyses.

Ils travaillent dans des cabinets de médecin, des hôpitaux, divers établissements de soins et des cliniques.

Julie Meadows est administratrice de services de santé dans une clinique de médecine familiale. « Ma carrière me donne pleine satisfaction, dit-elle. Je voulais travailler dans le domaine de la santé parce que j’aime aider les gens, mais je ne

« Les carrières en sciences de la santé sont très nombreuses et, qu'elles s'exercent en coulisse ou sur le front, il y en a pour **toutes les personnalités.** »



I decided to go into administration.” She adds, “I feel like I am an important part of the health care profession even though I’m not providing any actual patient care. It’s so important to make sure health records are kept properly to make sure a patient receives the proper care they need.”

An additional option is Clinical Research, combining quality assurance, research design concepts and analysis of data. College graduates can expect to find careers as clinical research assistants, clinical records associates or clinical trials monitors. Clinical researchers also participate in the clinical trials development process for new products including pharmaceuticals, natural health products and medical devices.

Medical transcriptionists listen to voice recordings that doctors and other healthcare professionals make regarding patient care and convert them into written reports. They must have a good knowledge of medical terminology, anatomy and physiology, treatment assessments, pharmacology and diagnostic procedures. Some transcriptionists listen to a physician’s dictation to transcribe the report but increasingly, the use of speech recognition technology to create a draft report means that they are reviewing the drafts and making changes or edits as necessary.

Pharmacy Technicians may interact with patients at retail pharmacies, but they are also needed in health centres, clinics and hospitals as well as retirement homes, rehab centres and other extended care facilities.

Pharmacy Technicians help Pharmacists maintain proper inventory levels of medications, prepare medications for clients, compound solutions, ointments and creams, bill insurance companies and ensure that information on prescriptions is correct.

supporte pas la vue du sang. Alors j’ai choisi l’administration. Je crois que mon rôle compte beaucoup, même si je ne fournis pas vraiment de soins aux patients. C’est très important de veiller à ce que les dossiers soient bien tenus et à ce que les patients reçoivent les soins dont ils ont besoin. »

La recherche clinique est une affaire d’assurance de la qualité, de concepts de recherche et d’analyse des données. Les diplômés travaillent comme auxiliaires en recherche clinique, préposés aux dossiers cliniques ou superviseurs d’essais cliniques. Quant aux techniciens en recherche clinique, ils participent à l’élaboration d’essais cliniques de produits pharmaceutiques, de produits de santé naturels et d’appareils médicaux.

Les transcrip-teurs médicaux transcrivent les enregistrements audio des médecins et autres professionnels de la santé concernant les soins aux patients. Il leur faut une solide connaissance de la terminologie médicale, anatomique, physiologique et pharmacologique, ainsi que du vocabulaire de l’évaluation médicale, de l’évaluation des traitements et des procédures diagnostiques. Les progrès de la technologie de reconnaissance vocale ont modifié le travail des transcrip-teurs qui, de plus en plus, révisent et modifient au besoin les rapports produits par un système informatique.

Certes, les techniciens en pharmacie interagissent avec les patients dans les pharmacies, mais on les trouve aussi dans les centres de santé, les cliniques et les hôpitaux, dans les maisons de retraite, les centres de réadaptation et les établissements de soins de longue durée.

Ils aident les pharmaciens à maintenir les stocks de médicaments, à préparer médicaments, solutions composées, onguents et crèmes,

Barb Campbell is a pharmacy assistant at a busy pharmacy located in a retail grocery store. “Making sure patients get the medication they need at the proper dosage is the most important thing that I do. Mistakes can be life-threatening,” she says.

Another employment option to consider is a Medical Device Reprocessing Technician. They are responsible for instruments and medical devices in terms of decontamination, assembly, preparation, sterilization and storage. The MDR Technician is an invaluable member of the healthcare team.

The Canadian Job Bank projects that the labour market will continue to experience a shortage of healthcare workers and through job openings and job creation, the health sector will continue to show an increased demand for qualified employees until at least 2028.

Colleges and institutes are a great option for students who want to enter the workforce quickly as most courses are three years in length or less, so a career in healthcare is attainable in a relatively short period of time.

And with colleges providing practical education through on-the-job training, their students are ready to hit the ground running right after graduation. 🙌

à établir les factures destinées aux compagnies d'assurance et à vérifier l'exactitude des renseignements sur les ordonnances.

Barb Campbell est assistante en pharmacie au rayon pharmacie très fréquenté d'une grande surface. « Ma tâche la plus importante consiste à m'assurer que les patients reçoivent bien les médicaments dont ils ont besoin, dosage et tout. Une erreur pourrait leur coûter la vie », dit-elle.

Autre emploi à considérer : celui du technicien en retraitement de dispositifs médicaux, qui veille à la décontamination, au montage, à la préparation, à la stérilisation et au rangement des dispositifs médicaux. Son apport à l'équipe soignante est très précieux.

Selon Guichet-Emplois, l'actuelle pénurie de travailleurs de la santé va durer. Le nombre croissant de postes à pourvoir et la création d'emplois vont accentuer au moins jusqu'en 2028 la demande d'employés qualifiés.

Les collèges et les instituts sont une excellente ressource pour les élèves qui veulent entrer rapidement sur le marché du travail. Puisque les programmes durent trois ans ou moins, il faut relativement peu de temps pour entreprendre une carrière.

En plus, comme les collèges offrent une formation en milieu de travail, les étudiants sont prêts à exercer leur carrière dès qu'ils ont le diplôme en poche. 🙌

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The diagram shows a lightbulb shape containing a central 'STUDENTS' icon with 'LOCAL' and 'PROVINCIAL' above it, and 'NATIONAL' and 'INTERNATIONAL' below it. Surrounding this are various support services: 'Instructor-led learning environments', 'Tutoring', 'Career advising', 'IT Support', 'Library access and writing support', 'Counselling', and 'Educational supports 24/7/365'.

Seneca College

◀ *Now is your time to make a difference*

Today, change is inevitable. All around us, the ground is shifting. The COVID-19 pandemic has impacted life as we know it and brought to the forefront those willing to help. To be there for those in need.

Seneca's graduates are on the front lines of this pandemic. They are there for our most vulnerable because they are professional caregivers, selfless and dedicated.

On the precipice of change, they know that now is the time to make a difference.

They chose to accept the challenge. To be brave. To be daring. To put the needs of others before their own and become part of the next generation of leaders in healthcare. Their journey began with the decision to choose Seneca.

Will you join them?

Seneca offers programs in health and wellness for nurses, personal support workers, mental health specialists, social service workers and therapists — among many more.

Our degree, graduate certificate and diploma programs are designed to equip you for the changing demands of healthcare. Where it's not just about skills, but also how to think critically, communicate and collaborate.

While tougher in our current circumstances, we continue to innovate with our industry partners, leveraging the latest technology to provide you safe, creative solutions to gain the critical hands-on experiences you'll need on day one in the field.

And throughout your studies, we will support you with a strong community of educators, counsellors, advisers and peers, who share your passion to make a positive difference.

When you graduate from a Seneca healthcare program, you are ready to serve, ready to be resilient, ready to be adaptable.

You are ready to join the frontline workers responding to this pandemic today and the unknown challenges that lie ahead.



Now is your time. Accept the challenge. Learn more at: senecacollege.ca

IS NOW

Ashley Docking, Graduate



YOUR TIME

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**TO MAKE
YOUR MARK.**

In a world that's changing faster than ever, Seneca's degrees, graduate certificates, diplomas, microcredentials and courses equip you to thrive and meet any challenge.

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cna

College of the North Atlantic

College of the North Atlantic

Personal Care Attendant

Apply Today!

www.cna.nl.ca

1 888 982 2268

College of the North Atlantic

School of Health Sciences

Health care professionals are important figures in our communities because health care affects us all. The people that choose a career in health care want to help a diverse population of clients and contribute to improving the client's physical and mental well-being. That's why College of the North Atlantic's (CNA) School of Health Sciences works with the Government of Newfoundland and Labrador, Regional Health Authorities (RHAs), accreditation agencies and industry stakeholders to meet the high labour market demands for various allied health practitioners.

To meet this growing sector's needs, CNA recently expanded its offerings of the Practical Nursing and Personal Care Attendant programs. CNA has also introduced the Advanced Care Paramedicine (ACP) post-diploma program which is the first offering of its kind in the province. ACP allows advancement from Primary Care Paramedicine while allowing students to maintain employment in their respective communities.

The School of Health Sciences features nearly a dozen programs at various campuses throughout Newfoundland and Labrador. CNA is here to enroll and educate competent graduates who meet the essential human resources needed by the health care system. These personnel resources are just as sought after today as health care equipment and medical supplies. The school's programs thrive on a team-based approach and value partnerships. The support of RHAs and other clinical agencies provides students with state-of-the-art practical experiences and education. Modern laboratory and classroom facilities, coupled with exemplary classroom and clinical faculty, provide students with an opportunity to excel in their program of study.

The School of Health Sciences has experienced faculty and staff committed to student success. Learning can occur online, in-person and on-campus, or in a blended environment. And depending on their program of choice, interested students can earn a certificate, diploma or post-diploma credential. Graduates have potential employment opportunities in many disciplines of the health care sector.

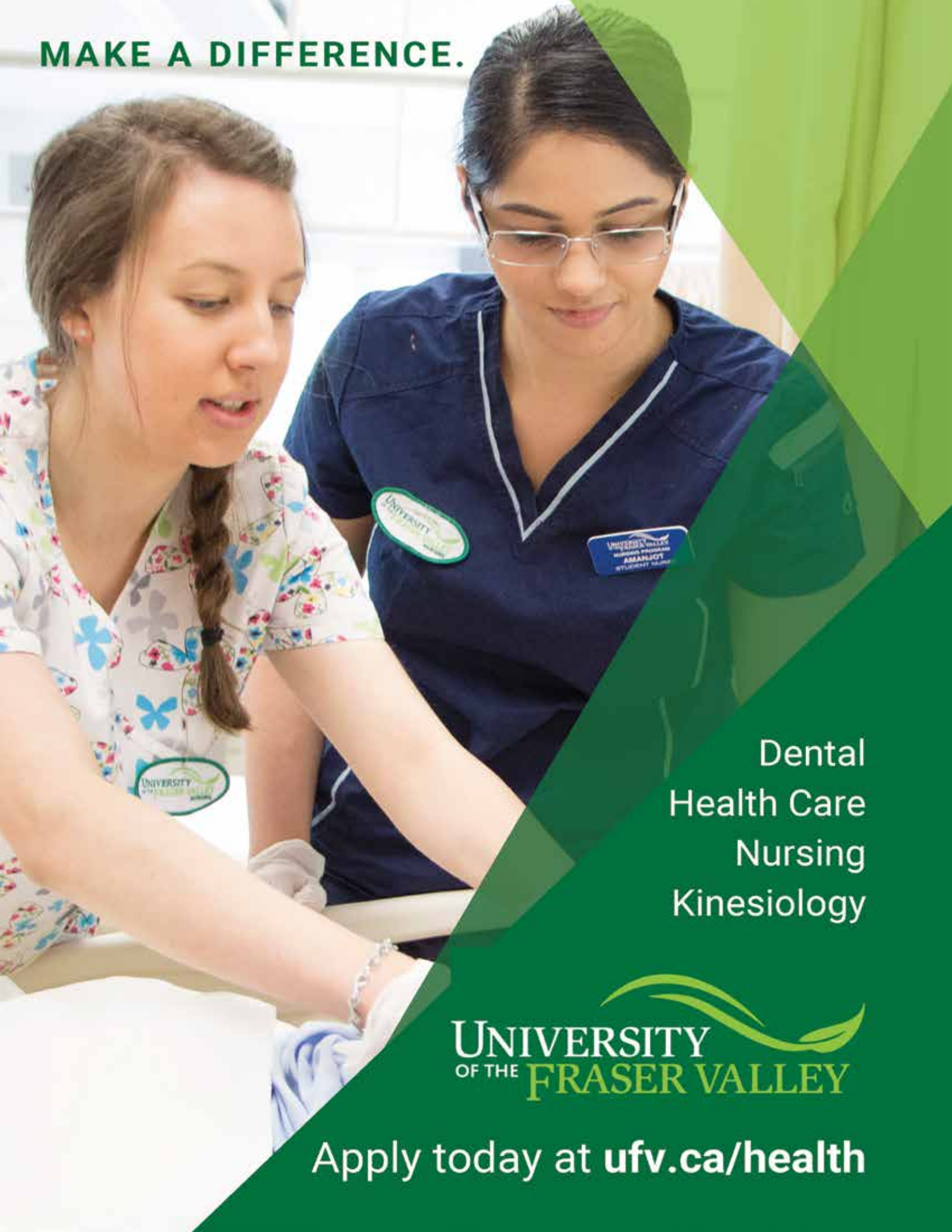
College of the North Atlantic's comprehensive array of health care programs include:

- ★ Advanced Care Paramedicine (Post Diploma)
- ★ Diagnostic Ultrasonography (Post Diploma)
- ★ Medical Laboratory Assistant (Certificate)
- ★ Medical Laboratory Technology (Diploma)
- ★ Medical Radiography (Diploma)
- ★ Personal Care Attendant (Certificate)
- ★ Practical Nursing (Diploma)
- ★ Primary Care Paramedicine (Diploma)
- ★ Rehabilitation Assistant (OTA & PTA) (Diploma) *via CNA's Distributed Learning Service
- ★ Respiratory Therapy (Diploma)
- ★ X-Ray Skills for Medical Laboratory Technologists (Post Diploma)



To learn more about College of the North Atlantic's School of Health Sciences, visit: www.cna.nl.ca or call: **1-888-982-2268**.

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The University of the Fraser Valley

UFV's Faculty of Health Sciences

The University of the Fraser Valley is a fully accredited institution that provides career-focused education to students in beautiful British Columbia.

In the midst of a global pandemic, UFV's Faculty of Health Sciences plays a key role in educating the next generation of health care personnel at a time when there is greater demand than ever before.

Health service delivery models are shifting towards a model of care involving integrated health care team, self-management, and home support. In light of this shift, it is necessary to target illness prevention and management through programs that promote health education and disease prevention.

UFV offers a variety of paths to help you launch a career in Health Sciences and make a difference in today's world.

Programs offered include:

★ Bachelor of Kinesiology

As the study of human movement, the Bachelor of Kinesiology explores a broad range of topics that include anatomy, biomechanics, exercise physiology, sociology, education, active health, wellness, and nutrition. UFV offers a bachelor's degree and minor in Kinesiology.

★ Bachelor of Science in Nursing

The Bachelor of Science in Nursing (BSN) program offers instruction in nursing, health sciences, social sciences, and research. This 4-year program is designed to prepare you to become an effective and professional nurse in an evolving health care environment.

★ Practical Nursing Diploma

Earn your diploma in Practical Nursing at UFV to work as a licensed practical nurse (LPN) in 19 months. If you are already working as a licensed practical nurse, UFV also offers a LPN Access to the BSN program, so you can bridge into the nursing program and start in the third semester (2nd year) of the BSN program.

★ Health Care Assistant

The demand for health care assistants is at an all-time high, particularly in the Fraser Valley with an aging population. UFV's 24-week Health Care Assistant program will provide you with the opportunities to develop the knowledge, skills, and attitudes necessary to function as a front-line caregiver and respected member of the health care team, in community and facility settings.

★ Certified Dental Assistant

UFV's 10-month Certified Dental Assistant (CDA) certificate program provides you with the opportunities to develop the knowledge, skills, and values in preparation for a career as a Certified Dental Assistant in private practice, dental clinics, and other public health facilities.

Our courses are designed to be multi-faceted to provide you with a well-rounded education that is supported by theory learned in the classroom, clinical experience in hospitals and community clinics, and hands-on work in UFV's state-of-the-art facilities using industry-standard equipment.

Small class sizes, personalized education, and local connections lead to employed citizens with lasting careers.



Learn more at: ufv.ca/health

Keyano College

Keyano College is an institution where intimacy meets competency. Keyano's practical courses allow students a first-class education with a personal touch that equips graduates to thrive in a fast-paced medical environment. No matter the healthcare course, Keyano College offers a myriad of options ensuring a high demand career upon completion.

Our Bachelor of Science in Nursing is a collaborative degree program with the University of Alberta. This program prepares you for a career as a Registered Nurse (RN). Brian completed the program and said, "You get college tuition rates, and that makes it very affordable so you're getting a degree at a college rate, and you're doing it all here. I was offered so much experience and practical hours at the hospital. I got my job before I graduated because of that experience".

Keyano's Practical Nurse program offers you a chance to work with a team of health care professionals providing patient care and support. This two-year program prepares you for a career in high-quality nursing care in a variety of settings. Practical nurses work cooperatively with other health care professionals to promote and restore wellness with patients and the community.

The paramedicine programs includes the Primary Care Paramedic program where you'll learn how to provide basic, out-of-hospital emergency care in any urban setting, and the Advanced Care Paramedic program where you'll acquire the skills to become a vital member of the Emergency Medical Services team. Keyano College also features a two-year Social Work Diploma program that prepares you for a career enhancing the wellbeing of individuals in areas like mental health.

A great education, a more intimate atmosphere, and a tremendous amount of hands-on opportunities make Keyano College an ideal place to help gain the skills necessary to thrive in a healthcare career. Just ask our graduates.



Learn more at: keyano.ca

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at KEYANO COLLEGE



KEYANO.CA



Lethbridge College

Lethbridge College's collaborative nursing education program rejuvenates curriculum to meet health care needs

Lethbridge College's innovative and collaborative four-year Nursing Education in Southwestern Alberta (NESA) program has undergone a thorough review and overhaul of its curriculum to ensure it is best meeting the contemporary needs of Canadians.

The program, delivered collaboratively by Lethbridge College and the University of Lethbridge, has been updated to ensure it is delivered in a way that allows students to succeed and be ready to contribute to the health-care system upon graduation. The new curriculum, introduced to the incoming first year NESA Bachelor of Nursing students at Lethbridge College this fall, is the product of more than four years of consultations, planning and development. This is the first major redevelopment of the NESA curriculum since the program launched in 2002, and all 25 courses in the NESA BN program are new.

"This new curriculum represents a new philosophy in both education and nursing that focuses on relationships," says Debra Bardock, Dean of Lethbridge College's Centre for Health and Wellness. "Nursing is all about relational practices, and this curriculum has been designed with those same principles in mind. We believe the skills that create successful nurses also create successful students, and this curriculum will leave them better prepared to enter the health care sector."

NESA students take their first two years of studies at the college and their second two years at the university. Students study theory and experience clinical practice in the areas of medicine and surgery, long-term care and continuing care, pediatrics, maternity, labour and delivery, mental health, rural acute care and community health.

Students will graduate with all of the competencies required of entry-level nurses by the College and Association of Registered Nurses of Alberta, be eligible to write the national nursing exam, and be well-positioned to meet the challenges of 21st century health care.



Learn more at: lethbridgecollege.ca

LETHBRIDGE COLLEGE WHAT HAPPENS NEXT MATTERS MOST.

WHAT HAPPENS NEXT MATTERS MOST

While the jobs in the health industry are quite varied, the people who choose these careers all have something in common — the desire to help others.

Whatever the position, the essential training needed to succeed can start at Lethbridge College.

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lethbridgecollege.ca


Lethbridge
College

BE READY.

SUCCESS BEGINS HERE ▼ **Oui!**



We prepare our students for careers in health care *en français...* and expand their employment opportunities!

Les avantages

We deliver:

- Workforce ready and highly sought-after bilingual professionals
- Qualified grads, primed to meet emerging needs in the health care field
- Expertise, trained on site in a state-of-the-art health sciences pavilion

QUATRE PROGRAMMES EXCEPTIONNELS EN SANTÉ

- Baccalauréat en travail social (Bachelor of Social Work)
- Baccalauréat en sciences infirmières (Bachelor of Nursing)
- Diplôme en sciences infirmières auxiliaires (Diploma in Practical Nursing)
- Certificat d'aide en soins de santé (Health Care Aid Certificate Program)



Université de
Saint-Boniface

École des sciences infirmières
et des études de la santé

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L'Université de Saint-Boniface

For a successful career in healthcare

Pour une carrière réussie dans le domaine de la santé

In the heart of the country, Université de Saint-Boniface (USB) is the oldest French-language higher education institution in Western Canada.

Its four programs in health sciences and social services are highly recognized for training bilingual health professionals who are in great demand in the labour market.

- ★ Our Health Care Aide Certificate is a five-month college program. It is intended for those who like to take care of people and who want to quickly obtain a nurturing and rewarding job. It includes two internships.
- ★ Our Diploma in Nursing is a solid, but accelerated, two-year college program. Autonomous and versatile, auxiliary nursing staff provide a wide variety of care: intravenous injections, medication dosage calculation, physical examinations, etc. Six internships are scheduled.
- ★ Our Bachelor of Science in Nursing is a four-year university program that leads to a stimulating career in direct patient care, health promotion, administration, teaching and research. Nine internships are included.
- ★ Our Bachelor of Social Work is a four-year university program for those who wish to participate in the development of individuals, families and communities and who have an interest in social justice. Two internships are scheduled.

Advantages

At USB, instruction is offered in French in a new and ultramodern health sciences pavilion. Some labs are reproductions of hospital rooms! This is unique in Canada! Plus, students studying in health and social work benefit from small cohorts, dedicated teachers and highly personalized training.

An inviting, inclusive and human-scale university, USB shines for its innovation and the range of services it offers to its students, all in a French-speaking environment.

Au cœur du pays, l'Université de Saint-Boniface (USB) est le plus ancien établissement d'enseignement supérieur de langue française de l'Ouest canadien.

Ses quatre programmes en sciences de la santé et en services sociaux sont hautement reconnus pour former des professionnels de la santé bilingues grandement recherchés sur le marché du travail.

- ★ Notre Certificat d'aide en soins de santé est un programme collégial de cinq mois. Il se destine à celles et ceux qui aiment prendre soin des gens et qui veulent obtenir rapidement un emploi humain et gratifiant. Il comprend deux stages.
- ★ Notre Diplôme en sciences infirmières est un programme collégial solide, mais accéléré, de deux ans. Autonome et polyvalent, le personnel infirmier auxiliaire donne une grande variété de soins : intraveineuses, calcul de médicaments, examens physiques, etc. Six stages sont prévus.
- ★ Notre Baccalauréat en sciences infirmières est un programme universitaire de quatre ans qui mène à une carrière stimulante dans les soins directs, la promotion de la santé, l'administration, l'enseignement et la recherche. Neuf stages sont inclus.
- ★ Notre Baccalauréat en travail social est un programme universitaire de quatre ans pour celles et ceux désirant participer à l'épanouissement des personnes, des familles et des communautés et qui s'intéressent à la justice sociale. Deux stages sont prévus.

Avantages

À l'USB, l'enseignement est offert en français dans un pavillon des sciences de la santé neuf et ultramoderne. Certains laboratoires sont des reproductions de salles d'hôpital! C'est unique au Canada! En plus, les étudiantes et étudiants qui étudient en santé et en travail social bénéficient de petites cohortes, d'enseignants dévoués et d'une formation très personnalisée.

Université chaleureuse, inclusive et à échelle humaine, l'USB se distingue par son innovation et la panoplie de services qu'elle offre à sa clientèle, le tout dans un environnement francophone.



Learn more at: ustboniface.ca

Portage College

Emergency Medical Responders (EMRs) play a vital role in providing entry level medical and trauma care in health services and industrial settings. They may be the first to arrive on scene, may be the only provider in remote areas, or they may work collaboratively in a team with other EMS/health care providers, first responders or community support agencies.

The Portage College EMR Program prepares students for success by providing an exceptional foundation utilizing a full-time program with theory, onsite labs and a clinical placement. All course instruction is delivered by Advanced Care Paramedics.

Portage College has four paramedicine labs, nursing labs, five high-fidelity manikins and one ambulance. Options exist for students to further their career path and continue into our Primary Care Paramedic Program which leads to becoming an Advanced Care Paramedic.

Your Career:

The EMR scope of practice includes, but is not limited to the following: professional responsibilities, communication, health and safety, assessment and diagnostics, therapeutics, integration, transportation, health promotion and public safety.

Your Courses Include:

- ★ Anatomy, Physiology, Personal Health & Wellness (University transferrable courses)
- ★ Onsite weeks include technical skills and scenarios in a simulated environment
- ★ Values, ethics, legalities and legislation that affect paramedic practice
- ★ Professional driving
- ★ Clinical placement
- ★ Additional certifications include: Crisis Prevention and Intervention, The Working Mind First Responders, and International Life Trauma Support



Learn more at: portagecollege.ca

EMERGENCY MEDICINE - LEARN FROM THE BEST

Portage College Health and Wellness Programs

Emergency Medical Responder

Primary Care Paramedic

Advanced Care Paramedic



Health and Wellness Programs offered exclusively at our Lac La Biche Campus

- Higher success rate than the provincial average on the Alberta College of Paramedics Provincial Exam
- Student to Faculty ratio 6:1
- Clinical placements include Ambulance and Health Care Centre

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**EXCEPTIONAL
STUDENT LIFE**

OUTSTANDING FACULTY



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**PORTAGE
COLLEGE**

Saskatchewan Indian Institute of Technology

SIIT is a First Nation-governed educational institution, one of only four credit-granting post-secondary institutions in the province – and the only accredited Indigenous institution. SIIT provides adult learners with academic, vocational and technical training as well as services and supports for employment and career growth. Provincial in scope, SIIT has campuses in Saskatoon, Regina and Prince Albert as well as nine career centers located throughout the province. SIIT is also invited into numerous First Nation communities each year to partner in program delivery. Indigenous learners are at the core of SIIT, representing over 90% of the student body.

Mental Health & Wellness

Committed to the empowerment of Indigenous learners, SIIT is a national leader in health care programming reflective of the needs of Indigenous patients and health care practitioners.

One of SIIT's most impactful health care programs is the Mental Health and Wellness 2-Year Diploma Program. Amid the current mental health crisis, this program graduates timely, front-line staff with the cultural competencies to meet the unique needs of indigenous clients. Meeting an acute local need, graduates of this program are employed as social and community service workers.

Indigenous Practical Nursing

This ground-breaking program marks the first dedicated Indigenous Practical Nursing program in Canada with the first cohort on track to graduate in Spring 2021. The program marries innovative technologies with traditional practices. IPN students are exposed to both western and Indigenous Canadian perspective of health and well-being. The Indigenous Practical Nursing Program is a full-time, two-year diploma program delivered at SIIT's Saskatoon Campus. Students who successfully complete the program and the Canadian Practical Nursing Registration Exam (CRNRE) are eligible for licensure with the Saskatchewan Association of Licensed Practical Nurses (SALPN).

Wrap Around Support

SIIT seeks to ground learners, with access to supports that focus on the Indigenous worldview. This approach ensures students have a strengthened sense of identity and pride. One of SIIT's innovative approaches is the Wrap Around Student Support model, which focuses on the entire student 'life cycle' with an emphasis on establishing points of contact from initial inquiry to post-training



Learn more at: siit.ca

SIIT SASKATCHEWAN INDIAN INSTITUTE OF TECHNOLOGIES

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2021

**SUPER SIZE
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BE NORTH
PROUD TO BE
NORTHERN!

MEDICAL LAB TECHNICIAN

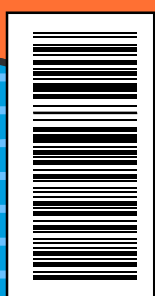
Earn a one year college Certificate at Northern's Medical Lab Technician Program. Our complete simulation lab offers students the unique benefits of small class sizes and access to equipment used at real hospital labs. Students practice their skills under the supervision of provincially qualified lab professionals and complete a placement at any qualified medical lab in Ontario. We are an approved college under the Medical Laboratory Professionals' Association of Ontario and we have excellent pass rates.

PERSONAL SUPPORT WORKER

Train for a career in one of Ontario's highest demand jobs. In less than 1 year you can be working in a health care setting, changing lives and making a difference. At Northern College we offer small lab sizes with premium technology and experienced educators. Our classes are a combination of theory and labs to help strengthen your understanding of standards. Build confidence in your caring skills and start your future today.

PRACTICAL NURSING

Northern's 2 year Practical Nursing program offers a dynamic combination of theory, lab practice and professional placement to prepare students for the challenging and complex needs of Healthcare. Students are able to complete their final preceptorship in most healthcare settings across the province. Our provincial registration exam results with the College of Nurses are some of the highest in the province



**REWARDING
NEW ADVENTURES!**

SPECIAL EDITION

Northern College

Proud to be North. Proud to be Northern.

Personal Support Workers, Practical Nurses, and Medical Lab Technicians are essential healthcare workers, as the COVID-19 pandemic has demonstrated. Incredibly responsive to the ever-changing field of healthcare, faculty work closely with healthcare providers to adapt curriculum immediately, giving graduates the skills and confidence to provide high quality healthcare to those who need it most.

Northern College offers multi-million-dollar labs and simulation equipment in their Health Sciences programs as well as dedicated professional healthcare workers as their faculty. What makes this College unique is the fact that class sizes are capped at such low numbers, with less than twenty learners per section, allowing for those taking the provincial Medical Laboratory Assistant Examination to have a pass rate that is exceptionally high. Medical Lab Technician students use dedicated lab space to simulate a proper laboratory set up including a centrifuge, analyzing equipment and proper disposal areas.

Practical Nursing and Personal Support Worker programs also offer small lab sizes for more one-on-one time and individualized attention. Simulation mannequins and equipment support training and learning. State-of-the-art online classroom technology make students ready for the challenges of working in healthcare. Clinical placements in hospitals and long-term care centres provide additional knowledge and enrich learning experiences for students. Pass rates in these program certification exams are also among the highest in the province.

Northern College offers a suite of services and activities for students to support their success and entertainment while attending college. Advising services offer support and encouragement as well as learning supports for students requiring academic supports. Mental health assistance and education for students is part of the advising suite. Students have access to tutoring, library services and student social events through the Student Association, and numerous outdoor events.

Students work in a variety of simulated healthcare settings including home-based care, medical, surgical, pediatric, mental health and long term care. Special programming with mock disasters creates cross-discipline awareness training for health care, emergency services and social work programs. Cross discipline training is part of the education for Practical Nurses and Personal Support Workers.

Northern College is one of Ontario's 24 publicly funded community colleges. It serves a region the size of France and boasts thriving relationships with healthcare centres and services across the North. Located in the Northeastern part of the province with campuses located in Moosonee, Timmins, Kirkland Lake and Haileybury, all of which overlook beautiful waterfront, Northern College offers a wide range of strong post-secondary programs, including Practical Nursing programs and Personal Support Worker programs at four campuses, and the Medical Laboratory Technician program at the campus in Timmins.

With over five decades of post-secondary training excellence and a rich history of progressive customized in-community learning, including for the James Bay Indigenous Coastal communities, Northern focuses on providing small-group, relevant, practical training experiences for students early on in their education. Northern connects graduates and employers through annual job fairs, and include preceptorship placements to maximize skills and clinical practice with professional healthcare providers.



Learn more at [northerncollege.ca](https://www.northerncollege.ca)

Conestoga College

Conestoga is one of Ontario's fastest growing colleges and a leader in polytechnic education. Our state-of-the-art labs and training facilities place us at the forefront of health-care and life sciences education and training. Health & Life Sciences is an innovative and rewarding area of study with attractive career prospects that are expected to flourish in the years ahead.

A Future in a Health & Life Sciences Career May Be For You If:

- ★ You are fascinated by science and have an aptitude for critical thinking and clinical reasoning
- ★ You aspire to improve healthcare and patient care or want to work diagnostic labs
- ★ You have a natural affinity for bringing ideas and technology together to create innovative solutions
- ★ You have a passion for working with people

Career-Focused Education and Integrated Learning

Conestoga provides a mix of experiences to enhance learning. You will develop practical, hands-on skills through innovative simulation labs where learning activities closely mimic clinical reality. All health programs provide opportunities to learn in a real-world clinical/practice environment.

Personal Support Worker program

Conestoga's School of Health & Life Sciences has made seniors care a priority. The Personal Support Worker (PSW) program offers remote, innovative, and tailored delivery options available at multiple locations – with work as a health care provider in less than one year! Thanks to the generous support of The Cowan Foundation, all PSW students receive an entrance award of \$500, free First Aid and CPR certification, and free scrubs. The Cowan Foundation's partnership with Conestoga builds upon the renowned Cowan Health Sciences Centre serving as the epicentre to create the most technologically advanced PSW program of its kind in Canada.



Check out our program information at: conestogac.on.ca/health, join us for an online-guided campus tour or take part in one of our live online events! conestogac.on.ca/visit-us.



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SCIENCES**

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Centennial College

With a novel coronavirus pandemic spreading rapidly, Toronto's Centennial College worked nimbly and collaboratively to shift its curriculum online within a week of the provincial order to shut down on March 17. Faculty, administrators and IT staff expended tremendous effort to pivot to the new delivery model posthaste.

Centennial invited professional vendors to help shape the curriculum with our faculty subject experts to ensure students would have an enhanced learning experience online. By summer, 23 full-time programs were developed to meet the flexibility of global time zones while maintaining engagement and interaction with fellow classmates and professors.

By fall 2020, the college had a total of 50 programs developed for complete online delivery. All other programming continued to be offered through online or hybrid delivery where possible, with an expectation to return to in-class instruction once campuses fully reopen. Centennial invested heavily in curriculum development to ensure online learning is flexible, interactive and experiential.

Knowing that vulnerable students don't always have up-to-date technology, the college acted quickly to secure 5,000 Chromebooks from a U.S. supplier so that the laptops could be loaned to learners in need at no cost. Despite extraordinary demand for the computers from institutions across North America, Centennial delivered the devices within weeks to ensure its students could resume their studies virtually.

At the same time, the Centennial COVID-19 Relief Bursary was established to support students who are struggling with urgent financial needs during the pandemic. It provides both domestic and international students with emergency funds to pay for essentials such as food and housing. It also pays for internet services to facilitate online learning for those students who don't have access at home.

Prioritizing how we work, while being acutely aware of the personal and professional challenges faced by our colleagues and our students in a disruptive time, allows us to plot our course and evaluate our progress through the pandemic and the new reality that awaits us. Centennial's community of learners wouldn't have it any other way.



Learn more at: centennialcollege.ca

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Hindsight is 2020. **OPPORTUNITY is 2021.**

With a 90% employment rate, companies have always sought out SAIT graduates — and even during these challenging times, our students are finding new doors to open.

Learn more about the SAIT advantage at
sait.ca/GetHIRED

The Southern Alberta Institute of Technology

Hands-on learning in a virtual world

In response to COVID-19, SAIT had to rethink program delivery and pivot quickly to ensure a safe learning environment for our community of students, faculty and staff. As a technical training institution that provides students with industry-relevant skills, how could our applied, hands-on education model translate to a digital experience for students?

The challenge to deliver these skills to our students virtually was met with enthusiasm. Instructors across all programs rose to the challenge, finding unique ways to bring the in-class experience online.

Our Centre for Learning and Technology developed a course for all faculty to prepare for and deliver their course materials online – ensuring our students were set up for success with faculty who could assist them every step of the way.

Technology such as Building Information Modeling (BIM), Virtual Design Construction (VDC), 3D modeling and Virtual Reality (VR) software became an important component of changing our hands-on learning from 'IRL' to online.

SAIT's Optician diploma program, one of SAIT's newest diploma programs in the School of Health and Public Safety, is using a 3D replicate of an eye for students to practice their skills on. You'll find students in our automotive programs using augmented reality to transform photo diagrams into interactive models for a better understanding of the material. Students in the Radio, Television and Broadcast News program carried on despite physical distancing by contributing content remotely with Open Broadcaster Software and using Microsoft Teams for interviews.

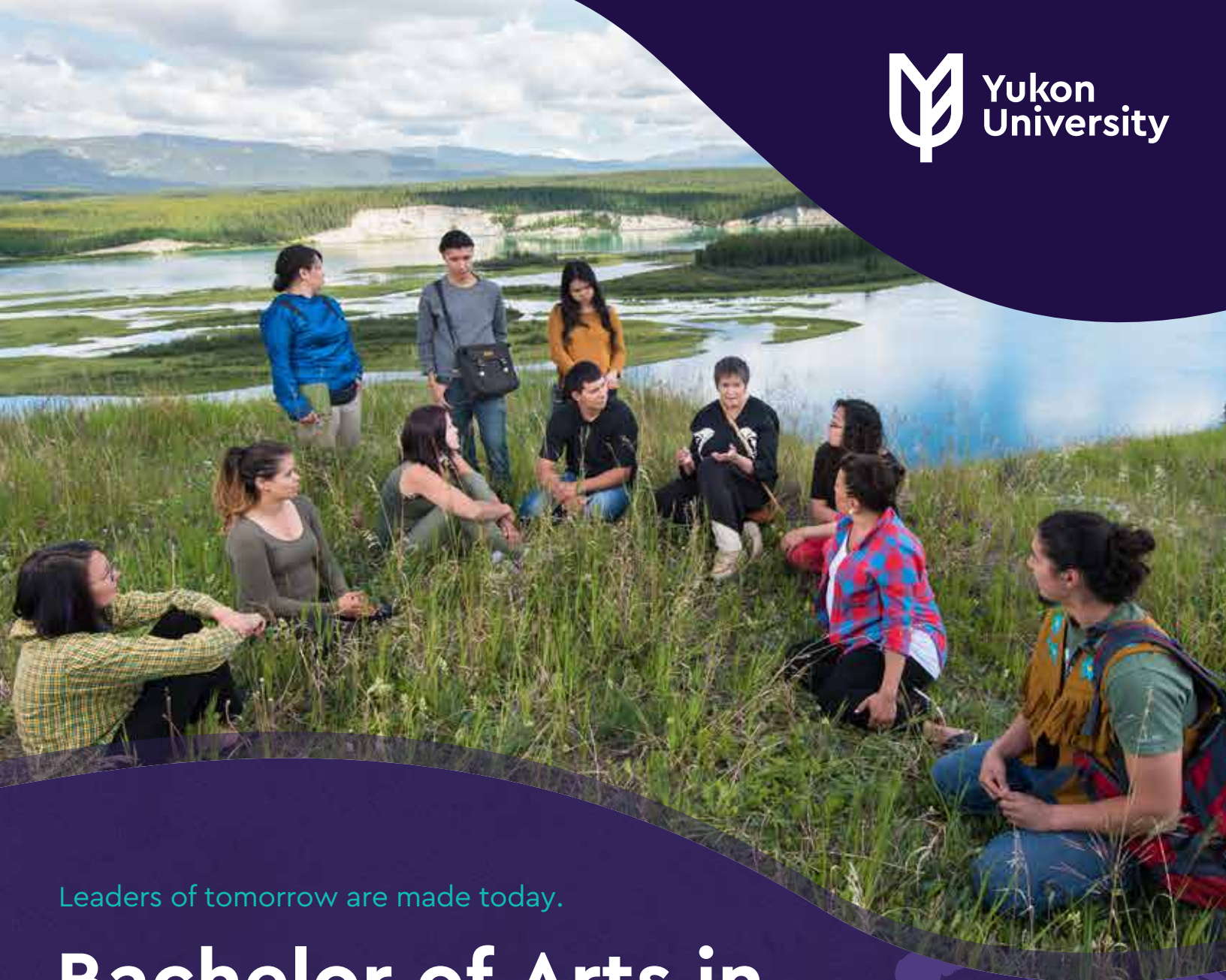
SAIT instructors in our culinary programs have used Microsoft Teams and social media platforms like YouTube to deliver captivating video tutorials on the intricacies of culinary skills such as cake decorating, meat preparation and plating.

Pipe Trades instructor Fred Bretzke has already been incorporating advanced technology into his teaching, and his students love it and want to see more of it. Thanks to 3D modelling and AR, teaching the theory of trades is possible online.

When it comes to the required lab time to apply that theory, not everything needs to be digital. Small cohorts, physical distancing and enhanced sanitization measures make it possible for students to learn and practice hands-on skills in our state-of-the-art labs and classrooms. This blended delivery of virtual and in-person training will allow our students to develop the skills they need for success in their future careers in business, construction, energy and environment, hospitality and tourism, health, information and communications technologies, manufacturing, and transportation.



Learn more about SAIT programs at [sait.ca/getHIRED](https://www.sait.ca/getHIRED)



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