



New Brunswick Indigenous Career College

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*"Your Training – Your Future,
Soar to New Heights"*

Plumbing Pre-Employment Program

Program Overview

Welcome to our distinguished Plumbing program, an unparalleled educational journey designed to equip students with comprehensive skills and knowledge. Over the course of 8 months, students engage in immersive hands-on experiences alongside seasoned plumbing technicians. This program not only provides an in-depth understanding of service, maintenance, and installations within the plumbing field, but also delves into the intriguing challenges presented by water distribution and drainage systems.

Our curriculum encompasses a holistic approach, blending practical field engagement with structured classroom instruction. Guided by licensed plumbers with extensive experience, students will not only acquire theoretical foundations but also gain proficiency in utilizing hand and power tools to rectify plumbing fixtures and establish water systems. The program also covers facets like hot water facilities and sewage systems, along with the assembly, installation, and repair of pipes, fixtures, and fittings.

In addition to hands-on skills, our program imparts the ability to interpret basic blueprints, empowering students to design comprehensive plumbing systems in adherence to specific building codes. It's important to note that employment in the plumbing field boasts stability across economic markets, and adept plumbers find opportunities swiftly. Upon successful completion of our rigorous 32-week program, graduates emerge not only with fundamental plumbing skills but also their first block certificate, a testament to their proficiency in passing the government examination. Embrace a distinctive avenue to plumbing mastery, setting the stage for a thriving provincial plumbing career.

Embrace Plumbing Excellence and Unleash Your Potential!

Admissions Prerequisites

- At least grade 12 or
- Mature student (21+) non-graduate or
- Exceptions might be made for the right applicant.

Program Courses

PLB-100 - Safety

This comprehensive course is meticulously designed to equip aspiring plumbers with the foundational knowledge and practical skills necessary to establish and maintain a secure working environment. Through a comprehensive exploration of industry-specific safety protocols, hazard identification techniques, and adept emergency response strategies, this course serves as a pivotal platform for developing a profound understanding of safety in the plumbing profession.

Mastery of these principles stands not only as a prerequisite for securing a plumbing license, but also as a testament to your unwavering commitment to fostering an environment of safety for both you and your peers. Furthermore, this commitment underlines your dedication to upholding the professional integrity of your work, ensuring that each plumbing endeavor is executed with the utmost caution and expertise.

PLB-105 - Tools and Equipment

This course stands as a cornerstone for aspiring plumbers, illuminating the critical significance of mastering these tools in the pursuit of becoming a licensed professional. Through comprehensive training, students cultivate a deep familiarity with the secure operation and proficient handling of tools and equipment intrinsic to the trades sector. They will adeptly showcase their prowess in the selection and safe utilization of common hand and power tools, while also receiving comprehensive instruction on diverse fastening systems. This course ultimately equips students with an unparalleled understanding of tools and equipment, encompassing their applications, maintenance, and meticulously structured operational procedures.

PLB-110 - Access Equipment

Elevate your plumbing career with our Access Equipment course, a vital component in your journey toward becoming a licensed professional. This comprehensive module provides in-depth knowledge of ladders and aerial work platforms, including applications, limitations, and stringent operational procedures. Master the safe and effective use of access tools, encompassing hazard identification, regulatory compliance, and practical techniques for erecting and dismantling equipment. By mastering these essential skills, you position yourself as a competent and safety-conscious plumber, ready to excel in a demanding industry.

PLB-115 - Hoisting, Lifting and Rigging

This comprehensive module delves into the intricacies of rigging, hoisting, lifting, and positioning equipment, covering their applications, limitations, and meticulous operational procedures. By mastering calculations for hoisting and lifting operations, learning equipment inspection, and understanding safety practices, students gain essential skills for a secure and successful plumbing career. This course ensures compliance with jurisdictional regulations, hazard identification, and proficient communication during rigging operations, all vital elements for ensuring safety and maintaining the highest standards of work integrity.

PLB-120 - Welding, Fuel Brazing and Cutting

This intensive module delves into the intricacies of welding, soldering, brazing, and oxy-fuel applications, encompassing equipment, procedures, and safety practices essential for both non-pressure and non-structural welds. Mastery of diverse welding processes, safety protocols, and the inspection, maintenance, and secure shutdown of equipment ensures your proficiency in these critical techniques. By successfully completing this course, you establish yourself as a safety-conscious and proficient plumbing expert, well-equipped for a thriving career in the field.

PLB-125 - Plastic Piping

This comprehensive module encompasses a wide spectrum of knowledge and practical skills, ranging from the identification of plastic pipe and tubing types to the interpretation of codes and regulations. Through theoretical exploration and hands-on demonstrations, you will master procedures such as calculations, measurements, cutting, joining, and installation of fittings and accessories. This course equips you to navigate the intricate world of plastic pipe and tubing applications, ensuring your proficiency in a crucial aspect of the plumbing industry, and positioning you as a competent and safety-conscious plumbing expert ready to excel in a dynamic field.

PLB-130 - Copper Pipe Tube and Tubing

This module offers a profound understanding of copper systems, encompassing a diverse array of skills from interpreting codes and regulations to mastering cutting, bending, and joining techniques for copper tube, tubing, and pipe. Through theoretical exploration and hands-on demonstrations, you will navigate the complexities of copper applications, equipment utilization, and safety practices. With a meticulous curriculum covering identification, fittings, accessories, and various joining methods, including press-fit, soldering, brazing, and more, you'll emerge proficient in copper piping techniques. Your expertise in installation, measurement, and bending methods will position you as a capable and safety-conscious plumbing expert, primed to excel in a field that values precision, integrity, and efficiency.

PLB-135 - Steel Piping

This module equips you with an in-depth understanding of steel piping systems, covering a broad array of skills from calculations, measurements, and safety protocols to cutting, bending, and joining techniques. Through theoretical exploration and hands-on demonstrations, students will navigate the intricacies of steel piping applications, equipment utilization, and adherence to rigorous safety practices. The course encompasses a meticulous curriculum, spanning identification, characteristics, and properties of steel piping systems and fittings, as well as an array of joining methods, from welding and threading to flanging and more. Mastery of these techniques ensures your adeptness in steel piping applications, positioning you as a capable and safety-conscious plumbing expert, ready to excel in a dynamic and demanding field that values precision, integrity, and meticulous execution.

PLB-140 - Cast Iron Piping

This comprehensive module immerses you in the intricacies of cast iron piping systems, covering an extensive range of skills from calculations, measurements, and safety protocols to cutting, bending, and joining techniques. Through theoretical exploration and practical demonstrations, students will navigate the complexities of cast iron piping applications, equipment utilization, and adherence to rigorous safety practices. The course encompasses a meticulous curriculum, encompassing identification, characteristics, and properties of cast iron piping systems and fittings, as well as an array of joining methods, from mechanical joint clamps and hub and spigot to gasket joints. Mastery of these techniques ensures your adeptness in cast iron piping applications, positioning you as a skilled and safety-conscious plumbing expert, poised to excel in an industry that values precision, integrity, and meticulous execution within the realm of cast iron piping systems.

PLB-145 - Drainage, Waste and Venting Systems I

This module provides foundational insights into the fundamental aspects of residential drainage, waste, and vent systems. By delving into theoretical concepts and hands-on applications, students will grasp the core knowledge necessary for proficiently installing, operating, and maintaining these vital plumbing systems. With a strong focus on safety, codes, and regulations, participants will learn to interpret blueprints, select appropriate tools and equipment, and execute installation procedures with precision. The course covers a spectrum of topics, including components such as fittings, pipes, valves, and specialized traps, as well as essential considerations like hydraulic loads, grading, and code adherence. Moreover, students will develop skills in installing fire stopping devices, protecting against backflow, and addressing storm system components. This foundational understanding equips aspiring plumbing professionals with the competence and confidence to embark on a successful career in the industry, ensuring the optimal functionality and safety of residential drainage, waste, and vent systems.

PLB-150 - Drawings I

This course is designed to equip you with the knowledge and expertise needed to navigate the world of drawings, blueprints, and specifications within the realm of plumbing systems. Through a combination of theoretical insights and practical applications, you'll learn how to decipher various types of drawings, ranging from engineered plans to shop sketches. This skill is essential for interpreting and implementing complex visual information accurately. Additionally, you'll delve into symbols, measurement systems, and layout tools, all of which are fundamental for understanding plumbing layouts, equipment placements, and control devices depicted on drawings. By mastering these skills, you'll develop a strong foundation for effective communication, precise installation, and successful project execution in the plumbing industry.

PLB-155 - Communication Techniques

Effective communication is at the heart of success in the plumbing industry, and this course aims to equip you with the skills you need to excel in this aspect. Through a blend of theoretical insights and practical applications, you will learn the intricacies of trade terminology and how to use it accurately. Moreover, you'll explore the significance of both verbal and non-verbal communication techniques when interacting with colleagues, clients, supervisors, manufacturers, and other stakeholders. You'll gain an understanding of diverse communication and learning styles, enabling you to effectively convey and receive information. Recognizing personal responsibilities and attitudes that contribute to on-the-job success is a vital aspect of this course, fostering professionalism, safety consciousness, and efficient work practices. Furthermore, you'll delve into identifying and preventing communication that constitutes harassment and discrimination, ensuring a respectful and inclusive work environment. By mastering these communication techniques, you'll enhance your capacity to collaborate, problem-solve, and thrive as a skilled plumbing professional.

PLB-160 - Potable Water Distribution I

This course provides essential insights into potable water distribution systems, covering equipment, components, and their installation procedures. Through a blend of theory and practical application, you'll grasp the interpretation of codes, regulations, and drawings, ensuring the safe and efficient operation of water distribution systems. Learn to prevent issues such as back siphonage, back pressure, and water hammer, while also acquiring hands-on experience with tools and equipment. By mastering the sizing and protection of potable water lines, you'll be well-equipped to contribute to the development and maintenance of reliable water distribution networks.