



## COURSE DESCRIPTION

### Medical Gas Installation Training

August 29 - September 2, 2022  
8:30am - 4:30pm

Registration closes July 15, 2022

#### Supplies Required by Students

##### Monday - Thursday

- Paper
- Pencil or pen
- Adhesive filing tabs
- Calculator
- Highlighter
- CSA Z7396.1-17 Medical Gas Pipeline Systems Code Book

##### Friday

- Suitable PPE for open flame shop – safety boots, safety glasses, gloves, long sleeve cotton or other flame-resistant clothing
- CSA Z7396.1-17 Medical Gas Pipeline Systems Code Book

Complete list will be sent with confirmation letter

#### **CANCELLATION POLICY:**

Due to the complexity and expense of providing this course, no refunds will be given once confirmations have been sent to attendees. NO attendee substitutions are allowed as NAIT and CSA require attendees to register with them.

Upon successful completion of this CSA-recognized course, the journey-person plumber or steamfitter/pipefitter will be eligible to challenge the CSA Medical Gas Piping Installer's Exam for certification to install, commission, and maintain medical gas piping systems. This course consists of the required 32 hours of classroom theory plus the required 4 hours of practical hands-on application. The practical application is a brazing test that will result in an individual qualification as required by the CSA.

Students will learn to:

- Determine the overall concept of the CSA Z7396.1 Standard and the requirements for installer certification, common trade practices and protocol for hospital shutdowns.
- Determine the correct materials to be used for the installation of medical gas systems.
- Determine installation procedures for distribution pipelines systems and terminal units in accordance with the Standard.
- Install and maintain master and local alarms.
- Install and maintain the supply sources for medical gas systems.
- Test piping systems in accordance with the Standard and accompany the testing agency with their testing requirements.

This course is a pass/fail. A minimum grade of 70 percent on the theory assessments is required to pass this course.

## THE PRESENTER

#### **Jim Cameron**

Jim started in the plumbing trade on September 8, 1981, at the University of Alberta, Walter C. Mackenzie Health Sciences Centre. In 1985, he received the Red Seal Plumbing and Class A Gasfitter designations. In 1992, he received his Steamfitter/Pipefitter certification. Jim has worked on the construction of numerous health care facilities throughout western Canada as an installer, foreman, and site superintendent. In 1998 Jim became a NAIT instructor and after 20 years retired in 2018. We are pleased to bring him out of retirement to facilitate the Medical Gas Installation training for us.

# REGISTRATION FORM



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### Location for Theory (Aug. 29 - Sept. 1)

Technical Safety Authority of Saskatchewan  
2213 11th Street West  
Saskatoon, SK S7M 1J4

### Location for Practical (Sept 2)

TBD

Member Fee	\$1,900 + gst
Non-Member Fee	\$2,600 + gst

### **SEND COMPLETED FORM TO:**

Roma Green  
Member Services Coordinator  
Mechanical Contractors Association  
Unit # 2 - 2412 Faithfull Avenue  
Saskatoon, SK S7K 4A6  
T. 306-664-2154  
E. [memberservices@mca-sask.com](mailto:memberservices@mca-sask.com)

Company: \_\_\_\_\_

Contact: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

Postal Code: \_\_\_\_\_

Telephone: \_\_\_\_\_

Email: \_\_\_\_\_

Attendee 1 Name: \_\_\_\_\_

Email Address: \_\_\_\_\_

Attendee 2 Name: \_\_\_\_\_

Email Address: \_\_\_\_\_

Attendee 3 Name: \_\_\_\_\_

Email Address: \_\_\_\_\_

### **FEES:**

x \$1,900 MCAS Member Fee \_\_\_\_\_

x \$2,600 Non-Member Fee \_\_\_\_\_

Subtotal \_\_\_\_\_

5% GST \_\_\_\_\_

TOTAL \_\_\_\_\_

Method of Payment:

Cheque

Invoice

VISA

MasterCard

Card Number: \_\_\_\_\_

Expiry Date: \_\_\_\_\_

Cardholder Name: \_\_\_\_\_

Signature: \_\_\_\_\_