



Introduction to Motor Controls & Variable Frequency Drives

This course is approved for operator certification renewal
CEU value of 0.6
Applicable for WT, WD, WWT, WWC

December 6, 2022 – Truro, NS

** Prerequisite for this course is a Basic Electrical knowledge and understanding. **
*** Recommended completion of Basic Electrical & Safety Course. ***

COURSE DESCRIPTION:

Topics covered but not limited to, will include:

- Identify Motor Control Terminology
- Basic principles, construction & operation of Motor Starters
- Basic principles, construction & operation of Soft-Starters & Variable Frequency Drives (VFDs)
- Why use VFDs; Energy Savings Calculator; Life Cycle Cost
- Various Motor Controls Applications and Troubleshooting
- Hands on with VFDs, Starters, etc.
- Review and a final test

COURSE PRESENTERS:

Presented by: **Dave Galbraith**, CSP.

Dave is Division Manager, Electrical, Instrumentation & Drives for Sansom Equipment Ltd., and has more than 20 years experience in Electrical Industry as an Industrial Electrician Journeyman who specialized in custom control systems, motor controls, automation, instrumentation, variable speed drives and motors. He is experienced in design and fabrication of PLC and motor control panels, troubleshooting, commissioning, field service and support. Dave has worked throughout Atlantic Canada (NS, NB, PEI, NFLD and Labrador) in Municipal, HVAC, Food Processing, Paper Mills, Saw Mills, Mining, Power Plants, Fish Plants, etc as well as in the Alberta Oil Sands.

Co-ordinated and assisted by **Brian A. Hazlett** who is a certified operator and has 40 years of professional experience in the operation and management of various distribution, collection, and treatment systems for drinking water and wastewater.

COURSE LOCATION & TIME:

Samson Equipment
100 Upham Drive Truro, NS
8:30-4:30
Lunch “*On Your Own*” 12:00- 1:00, Refreshment breaks supplied

CONTACT INFORMATION:

Registration can be made online at mpwwa.ca, faxing or mailing the registration form. For further information, please contact Clara Shea at 902-434-8874.



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Truro, NS

Name: _____

Organization: _____

Mailing Address: _____

City, Province: _____ Postal Code: _____

Phone: _____ Fax: _____ Email: _____

MPWWA Member Number: _____

Members \$250.00 plus 15% HST = \$287.50

Non-Members \$275.00 plus 15% HST = \$316.25

Payment can be made by visa, master card or cheque. Invoices will be sent to the address listed above.

Please send PO number if you want it included on the invoice.

PO _____

Card Holder's Name _____

Card Number _____ Expiry _____

Signature _____

**Cheques should be made payable to:
MPWWA
C/O Clara Shea, Executive Secretary
PO Box 28142 Dartmouth, NS B2W 6E2
Phone 902-434-8874 Fax 902-434-8859**