Training Catalogue 2026

Invest in Your Future

SPARTAN CONTROLS
Emerson Impact Partner
EMERSON

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Qualifications for Enrollment

Educational Services will provide training, individuals who are not competitors of Emerson Automation Solutions or Spartan Controls in the field to which the training pertains. Certain courses have prerequisites and must be followed. The Technical Coordinator will confirm and contact you if a prerequisite has not been met, registration will be pending.

Course Scheduling, Locations, and Pricing

Delivery method, location for in person training, course length, dates for each session, classroom capacity limits, and prices are listed on the Spartan Controls website**. All prices are listed in Canadian dollars**. For the most up to date information, visit our website at www.spartancontrols.com/education.

Tuition Payment

Methods of payment include company purchase order, VISA, MasterCard or American Express. All tuition is subject to change without notice. Tuition prices are per student and taxes are extra. Transportation, personal expenses, and most meals are the responsibility of the student.

Continuing Education Units

Continuing Education Units (CEUs) are awarded for successful completion of most courses, with a minimum of 80% attendance rate.

Course Material

All materials presented are copyrighted. Audio and video recordings are prohibited and no material, or portion of any course may be reproduced in any manner without prior written approval. All necessary documentation and literature are included in the course tuition. The training materials were developed by Emerson Educational Services or Spartan Controls exclusive use.

Cancellations and Transfers

Spartan Cancellation:

A course offering may be cancelled with little notice. We apologize for the inconvenience and notification will be given to each student via email. In the event of a cancellation, Spartan's liability is limited to the tuition cost, not travel or accommodation expenses.

Student Cancellation:

If a student must cancel enrollment, we require a notification as soon as possible. At the discretion of the Education team, you may be subject to a 50% tuition charge. Full tuition is charged for failure to attend (no show). Substitutions are permitted until the first day of class.

Travel Details

Students are responsible for arranging their own accommodations. If you intend to buy airline tickets with penalty clauses, please call us to check the course status before booking. Out of town students should make the necessary arrangements to ensure they arrive early enough for an 8 am Mountain start time.

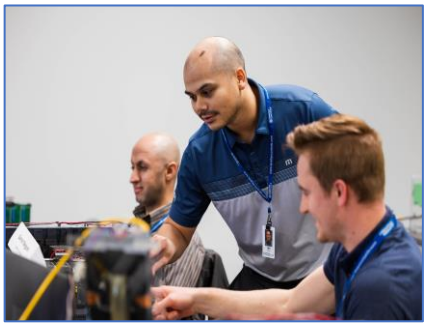
Waitlist

If you register for a course that is already full you may be asked if you would like to be included on a waitlist. Waitlists hold no guarantee's and your registration is not automatically transferred to the next session; you must register again for any upcoming sessions.

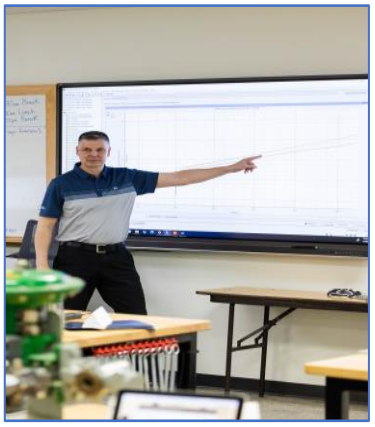
Courses

All dates and prices are subject to change. For updated information visit our website at www.spartancontrols.com. All courses start at 8 am Mountain time and end times are approximate. All courses are first come, first serve. When inquiring about a course or requesting a course this does not guarantee a seat in the class.

Our Team/Facility



Technical Trainers are subject matter experts with years of onsite field experience. They understand the student's roles and bring relatable scenarios to the course material.



At the Edmonton facility, Education Head Office, we have classrooms with state-of-the-art equipment boasting the latest in technology. Dedicated classrooms allow us to have all the equipment already setup for a hands-on experience.

Praise

"Very satisfied with the training program. This provided my with the required skills needed to progress in my facility role. I am looking forward to taking more training." – December 2025, 7409 Student

"This course was fantastic! Provided lots of useful information for troubleshooting DeltaV hardware while backing it up with hands-on exercises! I feel much more confident in handling hardware-related tasks in the field, thanks to our capable and patient instructors!"
– April 2026, 7018 Student

"This course was filled with extremely valuable information. It helped me piece together a few grey areas in my knowledge base that will help me to be a more well-rounded engineer on future projects." – March 2026, S900 Virtual Student

"Excellent content, the course built on what we already knew and helped us advance to the next level in our program with insights into how our work can be optimized going forward" – February 2026, 2070 student

Our Services

In Person

We offer open registration classes which are posted on our external website. This experience allows customers from all over to join a class and network with other industry personnel.

For customer specific training, we can perform training at site or at any Spartan location in your area. Upon request, for some courses, material can be tailored and customized.

Virtual

Virtual training is available for some classes.

We try and offer a few throughout the year if travel is not available.

Our instructors are live and in some classes the students remote in, to complete labs and workshops virtually.

Blended Course Blended courses include in-class time (traditional classroom or virtual classroom) as well as an online component

ENGAGING, EXCITING AND INTERACTIVE

For more information, please visit

https://www.spartancontrols.com/education/course-offerings/

Our Locations

Alberta Locations

Calgary
Corporate Head Office
305 - 27 Street SE
Calgary AB T2A 7V2

Edmonton
Education Head Office
8403 - 51 Avenue
Edmonton AB T6E 5L9

Fort McMurray
985 Memorial Drive
Fort McMurray AB T9H 0K4

Grande Prairie
11419 - 98 Avenue
Grande Prairie AB T8V 5S5

Whitecourt
Bay 2, 3505 - 38th Avenue
Whitecourt AB T7S 0A2

British Columbia Locations

Burnaby
7500 Winston Street
Burnaby BC V5A 4X5

Fort St. John
9603 - 112 Street
Fort St. John BC V1J 7C7

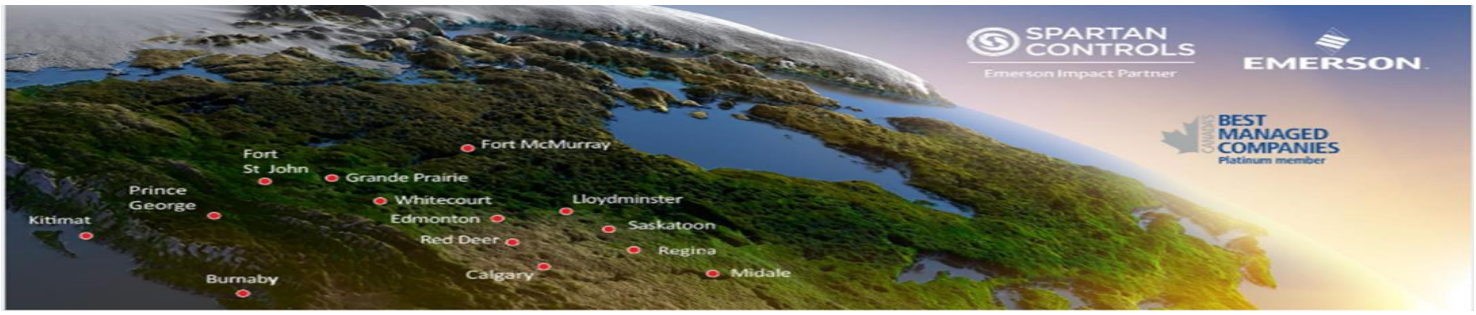
Prince George
24, 556 North Nechako Road
Prince George BC V2K 1A1

Saskatchewan Offices

Regina
475 Maxwell Crescent
Regina SK S4N 5X9

Saskatoon
3915 Burron Avenue
Saskatoon SK S7P 0E3

Midale
200 South Service Road
Highway 39
Midale SK S0C 1S0



Registration

Need to find the course and our available dates?

Website Course Listings

Already know what you are registering for?

Registration Form

Payment Options

Purchase Order

Credit Card

Currently there are no online payment options

All payments will be manually processed the week of the course with our Education Coordinator

Quotes can be created, upon request, for approval or to assist in PO generation

Course

Offerings

Course #1100 **Gas Regulator Technician** **Length:** 3 Days

Description
This 3 - day course is designed primarily for technicians responsible for the installation and maintenance of natural gas regulators. Emphasizing hands - on training, this course teaches students to install and adjust regulators.

Course #1106 **Regulators & Relief Valves Gas Regulators Troubleshooting** **Length:** 3 Days

Description
This 3 - day course is designed primarily for technicians responsible for the installation and maintenance of natural gas regulators. Emphasizing hands - on training, this course teaches students to install and adjust regulators.

Course #1350 **Fisher Control Valve Engineering - Advanced** **Length:** 3 Days

Description
This 3 day course reviews advanced application-specific design and operating principles of control valve assemblies, instruments, and accessories installed in a variety of non-general service applications. Students will gain insight in sizing and selection methods utilized in selecting appropriate control valve assemblies, as they relate to advanced control topics.

Course #1400 **Fisher Valve Trim & Body Maintenance** **Length:** 4.5 Days

Description
If you are new to engineering or specifying instrumentation, then we invite you to join Spartan's specialists for an overview of control valve selection.

Course #1751 Fundamentals of HART based FIELDVUE Digital Valve Controllers Length: 2 Days

Description
This 2 day lecture/lab style course provides the skills necessary to install and mount a FIELDVUE digital valve controller onto sliding stem actuator/valve and rotary actuator/valve assemblies and configure and calibrate FIELDVUE instruments with the field communicator.

Course #1752 ValveLink Software for Configuration and Calibration of FIELDVUE Digital Valve Controllers Length: 2.5 Days

Description
This 2.5 day lecture/lab style course provides hands-on experience working with FIELDVUE digital valve controllers, and ValveLink software. Students will be able to execute ValveLink calibration and diagnostic routines and create an instrument database. The primary focus of this course is to provide a comprehensive experience in managing digital valve controllers using the ValveLink software.

Course #1759 ValveLink Software for Diagnostics of FIELDVUE - Digital Valve Controller Length: 2.5 Days

Description
This 2.5 day course practical exercises and discussions to teach the student to interpret and analyze diagnostic data obtained using FIELDVUE digital valve controllers and ValveLink software. Students will perform diagnostic tests on a variety of valve/actuator combinations and use the data to determine bench set, dynamic error band, seat load, spring rate, and other pertinent parameters. Students will also perform comparison tests on valves/actuators containing assembly or operating flaws and use the data for troubleshooting purposes.

Course #S100 Valve Sizing & Selection Length: 1 Day

Description
This 1 day course uses lectures and examples to explain the correct procedure for sizing and selecting control valves using Fisher Specification Manager Software.

Course #S900 Fundamentals of Control Length: 1 Day

Description
This half day course is an introduction for anyone in the process industry interested in the fundamentals of process instrumentation.

Courses R425, R435, R445 **REMVue Level I Master Technician Program** **ON DEMAND**

Description
This 4.5 day program is divided between 3 separate courses—Course #R425, #R435, and #R445. This in-depth program provides attendees with the knowledge to achieve master level proficiency with all aspects of the REMVue®– 500 control system and all related products.

Course #R425 **Module 1** **Length:** 1 Day **ON DEMAND**

Description
This 1 day course is designed for maintenance and operations personnel requiring the understanding of the functionality, hardware, and maintenance requirements of a REMVue® 500 controller and the basic skills necessary to configure, calibrate and support it.

Course #R435 **Module 2** **Length:** 1 Day **ON DEMAND**

Description
This 1 day course is designed for technical personnel requiring advanced understanding of the hardware, software tools (REMVue® 500 IO Toolkit) and maintenance requirements of a REMVue® 500 controller and the skills necessary to configure, calibrate and support it.

Course #R445 **Module 3** **Length:** 2.5 Days **ON DEMAND**

Description
This 2.5 day course is designed for technical programming personnel requiring the understanding of the software tools and structure of the REMVue®– 500 control system.

Course #1200 **ROC & FloBoss Engineering I** **Length:** 4 Days **ON DEMAND**

Description
This 4 day course provides an overall working knowledge of the ROC 300 series as well as the FloBoss 100, 400, and 500 series products. Students are presented with a comprehensive view of the hardware and software in the ROC family and then are taught how to configure a working unit. The FloBoss 107 will be used as the standard configuration platform for the workshops.

Course #S340 **Bristol ControlWave Gas Measurement Application Tool Length:** 3 Days

Description
This 3 day course covers the integration of Bristol Multi-Variable Sensors and the Standard Directive 17 Flow Computer application for gas measurement using the ControlWave micro.

Course #SRA620 **DeltaV FB3000 RTU Hardware Configuration** **Length:** 2 Days

Description
This course is a 2 day hands-on training course giving attendees the opportunity to learn about DeltaV FB3000 RTU Hardware Configuration. Students will learn panel design, installation, wiring, start-up, troubleshooting, configuration, and maintenance.

Course #SRA630 **DeltaV FB3000 RTU Advanced Configuration and Intro to Programming** **Length:** 3 Days

Description
This course is a 2 day hands-on training course giving attendees the opportunity to learn about DeltaV FB3000 RTU Hardware Configuration. Students will learn panel design, installation, wiring, start-up, troubleshooting, configuration, and maintenance.

Course# SVA111 **Bettis M2CP Maintenance and Field Service** **Length:** 1 Day

Description
This 1 day course provides an overall working knowledge of the Bettis electric actuator. This program provides the fundamentals of electrical operation through the use of a M2CP modular control package. Each student will learn how to identify and troubleshoot the electrical as well as mechanical components. Students will learn how to differentiate actuator control problems from valve problems and they will learn the basic skills required to provide on-site operation, maintenance, and servicing for series 2000 model actuators.

Course# SVA123 **Bettis RTS Electric Actuator Training** **Length:** 1 Day

Description
This course presents the fundamental aspects of the Bettis RTS actuator product line. Components and assemblies are identified to aid in understanding the mechanical operation, electrical controls, and operation applications. Each student will learn how to set travel limits, torque limits and operate an actuator on or off the valve. Model number interpretation, document relevance (Spec Sheet; Manuals; Wiring Diagrams; Outlines; Assembly Drawing) and basic maintenance are all presented in a combination hands-on / instructor led lecture format.

Course# SVA130 **Bettis XTE Electric Actuator Training** **Length:** 1 Day

Description
This course presents the fundamental aspects of the Bettis™ XTE3000 actuator. Attendees are presented with essentials of design and operation and how they operate a valve. Basic components and assemblies are identified to aid in understanding the basic controls, applications, and mechanical operation. Each student will learn how to set travel limits, torque limits and operate an actuator on or off the valve. Model number interpretation, document relevance (Spec Sheet; Manuals; Wiring Diagrams; Outlines; Assembly Drawing) and basic maintenance are all presented in a combination hands-on / instructor led lecture format.

Course# S910 **Fundamentals of Isolation** **Length**: 0.5 Days

Description
This half day course is an introduction for anyone in the process industry interested in the fundamentals of isolation valves or valve automation. Upon completion of this course, the attendee should understand the operation of isolation valves, actuators as well as a basic understanding of the design and application considerations pertinent to these products.

Course #2031 Basic Vibration Analysis **Length:** 4.5 Days

Description
This 4 day course (the 0.5 is for the exam that will be held on the final day) is intended to enable students to operate single channel machinery analyzers, dump and load routes, recognize the difference between good and bad data, and compare vibration measurements against pre-established alert settings. Although this training course is not product specific, students will use Emerson's AMS technologies for demonstration purposes. The class shows the students how to use the vibration analyzer in conjunction with Emerson Machinery Health Management supported software to analyze basic vibration defects. This course complies with Category I Vibration Analyst per ISO standard 18436-2: Vibration condition monitoring and diagnostics.

Course #2032 Intermediate Vibration Analysis **Length:** 4.5 Days

Description
In this 4 day course (the 0.5 is for the exam that will be held on the final day), category II vibration analysts are taught to be able to select appropriate vibration measurement techniques; set up instruments for basic resolution of amplitude, frequency, and time; perform single-channel impact tests; classify, interpret, and evaluate test results in accordance with applicable specifications and standards; recommend minor corrective actions; and understand basic single plane field balancing concepts. The course also features the use of the AMS 2130 Machinery Analyzer in conjunction with advanced machinery analysis techniques. Discussions on case histories on machinery faults are one of the focal points of this course. This course complies with Category II Vibration Analyst per ISO Standard 18436-2: Vibration condition monitoring and diagnostics.

Course #2035 PeakVue™ Mystery and Autocorrelation **Length:** 3 Days

Description
This 3-day course provides insight into advanced functionality of Emerson's unique PeakVue and PeakVue Plus technology and Autocorrelation. Machine vibrations generate both macro and microscopic vibrations, and microscopic vibrations generate stress waves that have frequency ranges determined by the mass of the impacting object.
The properties of these stress waves will be explained.
Autocorrelation will teach the power of correlated waveform analysis. The same time waveform used for autocorrelation is used by the FFT to generate the spectrum. The strengths of the autocorrelation data are complimentary to the strengths of the spectral data.

This course makes use of case studies from real-life examples of common faults and live demonstrations illustrating specific mounting procedures to reliably detect certain faults. Comparisons between PeakVue technology techniques and demodulation will also be demonstrated.

Course #2068 Introduction to AMS Machinery Manager **Length:** 4 Days

Description
This 4-day course was designed for the new users of AMS Machinery Manager. Students learn methods of database creation and vital features of route creation such as collecting reference data, analyzer/computer communication, and the basic concepts of analysis parameter sets, alarm limit sets, and fault frequency sets. An AMS 2130 Analyzer will be used to load routes and collect data on lab machinery for basic vibration analysis using export and diagnostic plotting.

Course #2074 Intermediate AMS Suite **Length:** 4 Days

Description
This 4-day course teaches some of the more advanced machinery analysis techniques available in AMS Suite Machinery Health Manager Software.course focuses more on analysis and reporting with the use of Vibration Analysis module, Reporting module, Exception Analysis, PeakVue™ technology and full version of RBMview.

Course #2076 **AMS 2140 Fundamentals** **Length:** 2 Days

Description
This two-day hands-on course covers the basic operation of the AMS 2140 Machinery Health Analyzer. Students collect data on lab machines. Course materials are designed for personnel with experience in the field of vibration data collection and analysis, but little or no experience with AMS analyzers.

Course #2094 **AMS 2140 Advanced Functions** **Length:** 3 Days

Description
This 3 day course is intended for personnel with single-channel vibration analysis experience and little or no multi-channel experience. This class covers advanced signal processing using Emerson's patented PeakVue™ technology for slow-speed analysis, coherence and cross-channel phase, operating deflection shapes (ODS), modal analysis, and other advanced techniques.

Course #S230 **MLT/MLA Level I - Machinery Lubrication** **Length:** 3 Days **ON DEMAND**

Description
Spartan, in collaboration with Des-Case, is proud to host a three-day course covering both the ICML Machinery Lubrication Technician and Machinery Lubricant Analysis Level I Body of Knowledge.
This practical machinery lubrication course is designed to educate attendees on a variety of topics in the field of machinery lubrication, including lubricant application, contamination control and oil analysis. The focus of the class is to create awareness of the important issues in lubrication and offer practical, effective solutions to the challenges facing today's maintenance professionals.

Course #S250 **Maintenance & Reliability Program Improvement** **Length:** 1 Day

Description
Maintenance & Reliability Programs are critical to the effective and efficient operation of modern facilities. A robust program built on a strong foundation can deliver improved plant performance with additional production and reduced cost. Understanding the rationale behind these elements is key to creating change and building processes that can be supported by all departments.
This course will provide a review of the key building blocks for a M&R program and how they can be implemented to drive improvement in your facility.

Course #S251 **Planning & Scheduling for Maintenance** **Length:** 2 Days

Description
The ability to plan and schedule maintenance work is a key element of improved plant performance and reliable operations. As organizations take on Digital Technology projects and work towards Analytics and Machine Learning they are discovering asset faults earlier in their development and need to make repairs in a timely and cost-effective fashion. Effective Job Planning allows for improved Work Scheduling that fits into the Production Schedule with minimal impact on Operations. This course will provide a review of best practices in maintenance, job plan creation and effective scheduling. Students will work on real world examples to enhance their skills and knowledge and can work with examples from their own operation to enhance their learning.

Course #2375 **Wireless Self Organizing Network** **Length:** 2 Days

Description
This 2 day course explains how self-organizing wireless networks function and how they are installed, setup, configured, and integrated. It emphasizes planning, proper installation, and startup, configuration, maintenance, and integration. The course uses lectures and labs to maximize the hands on experience and teach the students.

Course #4210 **Operation & Maintenance of Gas Chromatographs** **Length:** 3 Days

Description
This 3 day course is appropriate for those who have either worked with a chromatograph for at least six months or completed the 'Introduction to Gas Chromatographs' course. It prepares participants to operate and repair a gas chromatograph. Students who complete this course will be able to effectively operate and repair a gas chromatograph.

Course #S210 **Micro Motion Mass Flowmeter** **Length:** 2 Days

Description
This 2 day course uses classroom lectures and hands on workshops to explain how to correctly commission, maintain, and apply Micro Motion mass flowmeters.

Course #S216 **TruckVue Truck Unload** **Length:** 1 Day **ON DEMAND**

Description
This 1 day course uses lectures and workshops to provide an overview of the Spartan Controls industrial computer based touch screen Truck Unloading system. This course is intended to cover the current TruckVue Server 2010-2012 systems and will not provide details on predecessor or ROC based offerings.

Course #370XA **Operation and Maintenance of 370XA Gas Chromatographs** **Length:** 2 Days

Description
This 2-day course prepares participants to operate and repair the 370XA gas chromatograph.

Course #2310 **Rosemount 3051S Multivariable Mass Flow Transmitter** **Length:** 1 Day

Description
This 1-day course uses lecture and labs to maximize the hands on experience and teach the student how to install, configure, calibrate and maintain the Rosemount Model 3051SMV HART Mass Flow Transmitter.

Course #2322 **Rosemount Measurement Instrument - Introduction** **Length:** 2 Days

Description
This 2-day course explains the measurement technology for Pressure, Temperature, Flow and Level instruments. It will also emphasize proper installation of these instruments.

Course #2329 **Pressure, Temperature, and Multi-Variable Flow Transmitters** **Length:** 2 Days

Description
This 2-day course is designed for those individuals responsible for the installation, configuration, calibration, troubleshooting, and maintenance of the Rosemount Model 3051C Smart Pressure Transmitter, 3144P Smart Temperature Transmitter, and the 3051SMV Multivariable Flow Transmitter.

This course uses lectures and labs to maximize the hands on experiences and teach the student how to install, configure, calibrate, troubleshoot, and maintain the Rosemount Model 3051C, 3144P, and 3051SMV Transmitters.

Course #2337 **Rosemount 5300 Guided Wave Radar Level Transmitter** **Length:** 1 Day

Description
This 1 day course is broken into lecture and hands on experience which will teach the student how to install, configure, troubleshoot, and maintain the Rosemount model 5300 series HART radar level transmitters.

Course #2358 **Micro Motion Coriolis Product** **Length:** 1 Day

Description
This one-day course consists of a blend of lectures and hands-on exercises that cover the installation, configuration, calibration checks, and troubleshooting of Micro Motion sensors with the Series 1000/2000/5000 transmitters and peripherals. This course includes hands-on exercises.

Course #7009 **DeltaV Operate Implementation I** **Length:** 4.5 Days

Description
During the 4.5day course, the student will be able to define system capabilities, define nodes, configure continuous and sequential control strategies, create process alarms, operate the system, troubleshoot the system and modify operator. This course access to a virtual DeltaV system to practice and review course complete with brief recorded demonstrations available after course.

Course #7012 **DeltaV Operator Interface for Continuous Controls** **Length:** 2 Days **ON DEMAND**

Description
This 2-day course (14 hrs.) uses lectures and hands-on workshops to train operators for continuous process operation using the standard generic DeltaV Operate user interface (for the DeltaV Live user interface, please select course 7412).access operator main displays
•manipulate various control module operating parameters to operate the process
•access faceplates and detail displays
•understand process indications from graphics dynamos
•monitor and acknowledge different alarm conditions
•monitor process performance view real-time and historical trend data
•access historical data and event chronicle

For customized curriculum, designed around your site graphics and processes, please contact Educational Services

Course #7017 **DeltaV Implementation II** **Length:** 4.5 Days

Description
During the 4-1/2 day course, the student will be able to identify function block structures, interpret function block status values, design error masking, define nodes, configure class-based control modules using the Command-Driven algorithm.

Course #7018 **DeltaV Hardware & Troubleshooting** **Length:** 4 Days

Description
This 4 day course focuses on the hardware components that make up the DeltaV system: M-series controllers and I/O, S-series controllers and I/O (including CHARMs), and DeltaV smart switches.coursean overview of the DeltaV Control Network, M- and S-series hardware,software applications.

Course #7020 **AMS Device Manager** **Length:** 3 Days

Description
Completing 3 days of AMS Device Manager hands-on instructor assisted training modules and exercises provides the quickest route to your productive use of this predictive maintenance application.

Course #7025 **DeltaV Advanced Graphics** **Length:** 4.5 Days **ON DEMAND**

Description
This 4.5 day course is for process control engineers responsible for configuring advanced functionality in the DeltaV user interface.

Course #7027 **DeltaV Systems Administration** **Length:** 4.5 Day

Description
This 4.5 day course is designed for control system administrators, process control engineers and IT specialist responsible for managing, installing, and commissioning a DeltaV system.

Course #7026 **DeltaV Cybersecurity** **Length:** 4.5 Days

Description
The 4.5 day DeltaV Cybersecurity course focuses on the DeltaV Security Manual and the practical implementation of the guidance provided within. Students will engage in activities to properly apply Emerson's Defense-in-Depth strategies so that students can have the skills to apply these same strategies on their DeltaV systems.Students are encouraged to read the DeltaV Security Manual before attending class.

Course #7028 **DeltaV Virtualization Administration** Length: 3 Days

Description
This 3 day DeltaV Virtualization course focuses on the various software that is used in the management of a DeltaV Virtualization environment. Students will engage in workshops that will reinforce the material discussed to successfully run and maintain a Virtualized DeltaV system.

Course #7032 **Fieldbus Systems & Devices** **Length:** 4 Days

Description
This 4-day/lab course provides maximum hands-on experience working with FOUNDATIONT fieldbus instruments such as: the FIELDVUE® Digital Valve, Rosemount Pressure and Temperature Transmitters. The student will use the DeltaV control system to commission fieldbus devices, assign FOUNDATIONT fieldbus function blocks to field devices, troubleshoot using diagnostics and Device Manager to manipulate device parameters.

Course #7039 **AMS Device Manager with DeltaV** **Length:** 4 Days

Description
This 4-day course is for instrumentation technicians responsible for all areas of managing and ensuring the reliability of instrumentation in the plant process including startup and commissioning, normal operations, maintenance, and troubleshooting. The hands-on workshops with AMS Device Manager along with DeltaV will address areas relating to the instrument technician's daily tasks.

Course #7305 **DeltaV SIS Implementation** **Length:** 4.5 Days

Description
This 4.5 day course is a-on instructor led course. The course covers complete DeltaV SIS including hardware and software architecture. Students will be able to design a DeltaV SIS Network and Safety Instrumented Functions (SIFs).Additionally, students will be able to configure smart SIS instruments and their associated alerts, including partial stroke testing.

Course #7409 **DeltaV Live Implementation I** **Length:** 4.5 Days

Description
During the 4.5 day course, the student will be able to define system capabilities, define, configure continuous and sequential control strategies, create process, operate the system, troubleshoot the system and modify operator displays using the DeltaV Live Operator Interface introduced with DeltaV Version 14.3.

Course #7412 **DeltaV Live Operator Training for Continuous Operation** **Length:** 2 Days **ON DEMAND**

Description
This 2-day course uses lectures and hands-on workshops to provide an in-depth overview of operating a continuous process using DeltaV Live .

For customized curriculum, designed around your site graphics and processes, please contact Educational Services.

Course #7425 **DeltaV Advanced Graphics with LIVE** Length: 4.5 Days

Description
This 4.5 day course is for process control engineers responsible for configuring graphics in the DeltaV Live operator interface. This course teaches basic options through advanced configuration topics.

Course #S009 **Practical Process Control** **Length:** 4 Days

Description
Spartan Controls' Practical Process Control course is the designed to provide a fundamental understanding of the tools available to solve process control problems and how to apply them appropriately for robust efficient control. Including both classroom and hands-on lab-based exercises, this course gives students the ability to put their learning to practice with industry-based examples. Learn how to model a process and tune a loop using a calculated approach to achieve the desired process response based on your control objective.
This course will also provide you with the ability to diagnose a poorly performing loop to determine if the cause is related to instrumentation, tuning or other process interactions.

Course #S7203 **DeltaV Advanced Controls** **Length:** 4.5 Days

Description
This 5 day course is designed for system engineers who will be using DeltaV Advanced Control features. This is a condensed course with selected content from Courses 7201 and 7202. The principal technology that is utilized in each product will be discussed, and 50% of the course will be hands-on workshops. Students will log into DeltaV systems to apply the advanced control features to customized simulated process applications. Course will feature approximately 1 day on DeltaV Insight, and 3.5 days on DeltaV PredictPro (MPCPro).

Course #S010 **PID Loop Tuning** **Length:** 1 Day

Description

We are pleased to invite you to join us for a course on fundamentals of control loop tuning. In this course, you will learn practical loop tuning methods through hands-on lab exercises developed in DeltaV.

Course #S011 **DeltaV Advanced Controls** **Length:** 4.5 Day

Description

This 4.5-day course is designed for control system engineers who will be using DeltaV Advanced Control features. The principal technology that is utilized in each product will be discussed, and 50% of the course will be hands-on workshops. Students will log into a simulated facility environment to apply the advanced control features to process applications. The course will feature approximately 1 day on PID Tuning Review, and 3.5 days on DeltaV PredictPro (MPCPro/Plus).

Course #S110 **Overpressure Protection** **Length:** 1 Day **ON DEMAND**

Description
This 1 day course uses lectures and examples to explain the correct procedure for sizing and selecting safety relief valves. On completion, the student should have an understanding of the applicable ASME, API and ANSI specifications which govern safety relief valves; Safety relief valve design and operation; different types of overpressure protection and their uses.

Course #S140 **Safety Relief Valve Maintenance** **Length:** 2 Days

Description
This 2 day course uses lectures and examples to explain the correct procedure for valve maintenance.

Provincial

Alberta

BRITISH COLUMBIA

Job Grants

Alberta

Overview

The Canada-Alberta Productivity Grant (CAPG) helps employers invest in training that focuses on enhancing productivity skills for their current and future employees that aligns with the needs of their business. It is an employer-driven program meant to partially reimburse the cost for an employer to send their employee(s) for training. Employers apply on behalf of their employees and invest in training that enhances productivity and workforce competitiveness. Funding is provided by the Government of Canada through the Workforce Development Agreement.

https://www.alberta.ca/canada-alberta-job-grant.aspx

British Columbia

Overview

The B.C. Employer Training Grant is a cost-sharing grant program that provides employers throughout B.C. with skills training funding for their workforces, including prospective new hires. The grant funding helps employers respond to their changing labour needs and helps develop a skilled workforce with the right mix of skills. In turn, this helps British Columbians access the skills training needed to succeed in today's labour market, while increasing job security and supporting career advancement. Employers can apply as often as they need and receive 80% of the cost of training up to $10,000 per employee, with a maximum annual amount per employer of $300,000.

https://www.workbc.ca/find-loans-and-grants/industry-and-employers/bc-employer-training-grant

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SPARTAN CONTROLS
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