

EDUCATIONAL SERVICES 2009 NORTH AMERICA

DATE, LOCATION & PRICE INFORMATION



Providing the training you need, when and where you need it.

2009 New Course Offerings

Plant Optimization: PlantWeb®

- 7081 Document Control and Archiving
- 7082 Training and Development
- 7083 Equipment Tracking
- 7084 Materials, Inventory and Order Management
- 7085 Recipe Authoring I
- 7086 Recipe Authoring II
- 7095 - SYNCADETM Suite Recipe Authoring 4.0

Plant Optimization: Machinery Health™ Management

- 2021 ISO Category I Vibration Analyst
- 2022 ISO Category II Vibration Analyst
- 2023 ISO Category III Vibration Analyst
- 2043 Laser Alignment (for Model 2120/UltraSpec Users)

Field Devices: Control Valves

- 1428 Advanced FlowScanner Diagnostic Interpretation

Field Devices: Daniel

- D4410 Operation & Maintenance of DL8000
- D4420 Introduction to M2000 Sr. Orifice Fitting

Field Devices: Measurement

- 2337H 5300 Series HART Radar Level Transmitter

Visit our website to select the training programs you need to enhance your knowledge and skills:

www.emersonprocess.com/education. For course specifics view our Global Course Catalog on-line.

You may also view our 2009 North American CD for dates, locations, and price information.

www.emersonprocess.com/education/registration/catalog_request.html

Phone: 800-338-8158 or 641-754-3771 Email: education@emersonprocess.com

2009 Course Scheduling, Locations & Pricing

Dates and prices are subject to change. For updated dates & locations visit our website at www.emersonprocess.com/education.

Plant Optimization (pages: 7-32) All prices are in U.S. dollars.

PlantWeb® (800-338-8158 or 641-754-3771)

	Price
7101 PlantWeb/DeltaV Introduction	\$1,950
7009 DeltaV Implementation I	\$2,750

7040 OPC Client Development	\$2,650
7080 Compliance Suite Overview	\$1,500
7081 Document Control and Archiving NEW	\$2,000
7082 Training and Development NEW	\$ 700
7083 Equipment Tracking NEW	\$1,400
7084 Materials, Inventory and Order Management NEW	\$2,600
7085 Recipe Authoring I NEW	\$1,100
7086 Recipe Authoring II NEW	\$1,400
7095 - SYNCADETM Suite Recipe Authoring 4.0 NEW	\$2,000

AMS™ Suite: Intelligent Device Manager (800-338-8158 or 641-754-3771) Note: * Courses at these locations are an additional \$100

7020 AMS Device Manager	\$1,850
-------------------------	---------

7021 AMS Device Manager with Rosemount HART	\$1,400
7022 Fisher Smart Instrumentation with AMS Device Manager	\$1,900

FOUNDATION™ fieldbus (800-338-8158 or 641-754-3771)

2370 Fieldbus Measurement Instruments	\$2,000
7030 Fieldbus Devices	\$2,550
7032 Fieldbus Systems and Devices	\$2,650
7034 Communication Bus Interface with the DeltaV System	\$2,750
7035 Practical Implementation of FOUNDATION™ fieldbus	\$1,350
7036 Fieldbus Digital Valve Controllers	\$1,900

smart Safety Instrumented Systems (800-338-8158 or 641-754-3771)

7301 DeltaV SIS Overview	\$1,950
7303 DeltaV Safety Instrumented System (SIS) Maintenance	\$2,100
7305 DeltaV SIS Implementation	\$2,750

Process Control (800-338-8158 or 641-754-3771)

1430 EnTech - Toolkit Training	\$1,700
8106 Boiler & Powerhouse Applications & Problem Solving	\$1,700
8107 EnTech - Paper Machine Applications & Problem Solving	\$2,000
9000 Introduction to Process Control	\$2,000
9006 Loop Tuning Short Course	\$1,100
9001 Loop Tuning & Problem Solving	\$2,100
9002 Process Control Intermediate - On-Site	
9030 Process Dynamics and Tuning Fundamentals (PCE I)	\$2,000
9031 Process Analysis and Minimizing Variability (PCE II)	\$2,000
9032 Applied Modern Loop Tuning	\$1,700
9034 Applied Advanced Regulatory Controls NEW	\$1,700

Refining Process Training (412-826-5440) All programs are scheduled for presentation at the Crown Plaza Houston North Greenspoint in Houston, TX.

RPS100 Basics of Petroleum Refining for Non-Technical Personnel	\$ 750
RPS110 Introduction to Petroleum Refining Processing	\$1,700
RPS120 Amine Treating & Sulfur Recovery Technologies	\$1,700
RPS200 Fluid Catalytic Cracking Process Technology	\$1,750
RPS300 Hydrotreating and Hydrocracking Process Technology	\$1,700
RPS400 Catalytic Reforming Process Technology	\$1,700
RPS500 Crude Oil Distillation	\$1,750
RPS600 Delayed Coking Process Technology	\$1,750
RPS800 Gasoline/Diesel Blending	\$2,000

Machinery Health™ Management (800-675-4726 or 865-675-2400)

2015 Balance Theory and Application	\$1,850
2018 Infrared Analysis Software for AMS Machinery Health™ Manager	\$1,400
2019 IR Thermography Level I Certification	\$1,850
2021 ISO Category I Vibration Analyst NEW	\$1,850
2022 ISO Category II Vibration Analyst NEW	\$2,050
2023 ISO Category III Vibration Analyst NEW	\$2,050
2031 Basic Vibration Analysis	\$1,850
2032 Intermediate Vibration Analysis	\$1,850
2033 Advanced Vibration Analysis	\$1,850
2035 Taking the Mystery PeakVue Technology	\$1,050
2039 Introduction to Windows - Based ODS/Modal	\$1,950
2043 Laser Alignment (for Model 2120/UltraSpec Users) NEW	\$1,200
2053 Root Cause Failure Analysis	\$1,400
2054 Level I Vibration Analyst Certification	\$ 250
2055 Level II Vibration Analyst Certification	\$ 450
2061 Vertical Alignment (UltraSpec)	\$ 700
2067 Basic Ultrasonic Theory and Techniques - Level 1	\$1,400
2068 Introduction to AMS™ Suite: Machinery Health Manager	\$1,850
2069 Fundamentals of Vibration	\$1,050
2070 AMS™ Suite: Machinery Health Manager	\$1,850
2072 Fundamentals of CSI 2130 Machinery Health Analyzer	\$1,050
2074 Intermediate AMS™ Suite: Machinery Health Manager	\$1,850
2075 Autocorrelation as an Adv. Diagnostic Tool NEW	\$ 600
2080 CSI Machinery Health Monitor	\$1,050
2081 Electric/Motor Diagnostics and MotorView®	\$1,850
2082A Level I Lubrication with Certification	\$1,050
2082B Level II Lubrication with Certification	\$1,050
2083 Oilview® for AMS Machinery Manager	\$1,850
2084 Wear Debris Analysis	\$1,050
2085 Mainten. Strategy Tools - Optimizing Mainten. Performance	\$1,950
2088 4500 Machinery Health Monitor	\$1,900
2089 Turbo Machinery Disgnosis with the CSI 4500 -Transient	\$2,100
2090 CSI 9210 Machinery Health Transmitter	\$1,050
2091 Advanced CSI 2130 with PeakVue	\$1,400
2092 Laser Alignment for CSI 2130	\$1,200
2093 Maintenance Best Practice NEW	\$1,050
e2130 eLearning: Fundamentals- CSI 2130 Machinery Health Analyzer	\$ 299

2009 Start Dates

Austin, TX: 11/16		
Austin, TX: 5/18, 6/1, 6/15, 6/22, 7/13, 7/27, 8/10, 8/31, 9/14, 9/28, 10/12, 10/26, 11/2, 11/16, 11/30, 12/14		
Edmonton, AB: 6/22, 7/20, 8/17, 9/14, 10/26, 11/16, 12/7		
Fort McMurray, AB: 6/8, 8/31, 11/30		
Austin, TX: 6/2		
Austin, TX: 7/6, 9/29		
Austin, TX: 7/8, 10/26		
Austin, TX: 10/9		
Austin, TX: 6/22, 10/1		
Austin, TX: 6/24, 10/5		
Austin, TX: 8/31		
Austin, TX: 9/1		
Austin, TX: 6/16		
Austin, TX: 6/2, 9/15	Eden Prairie, MN: 5/11, 7/7, 8/17, 12/7	Edmonton, AB: 6/1, 11/2
Marshalltown, IA: 4/14	Las Vegas, NV*: 10/27	Fort McMurray, AB: 7/13
Edmonton, AB: 9/9	Fort McMurray, AB: 5/4	
Marshalltown, IA: 9/22	Edmonton, AB: 7/27	Fort McMurray, AB: 4/13

Eden Prairie, MN: 7/20, 11/2

Austin, TX: 9/21

Austin, TX: 6/8, 9/28, 12/7

Austin, TX: 8/24 Edmonton, AB: 6/1, 7/20, 10/19 Fort McMurray, AB: 11/9

Call to Schedule: 800-338-8158 or 641-754-3771

Marshalltown, IA: 8/4, 11/3 Edmonton, AB: 5/25

Austin, TX: 6/1

Austin, TX: 7/6 Edmonton, AB: 9/9

Austin, TX: 6/22, 8/17, 10/12, 12/14 Edmonton, AB: 9/14

Toronto, ON: 7/6

Toronto, ON: 6/8

Austin, TX: 10/19

Marshalltown, IA: 7/20

Call to Discuss: 800-338-8158 or 641-754-3771

Marshalltown, IA: 5/11, 11/2

Call to Discuss: 800-338-8158 or 641-754-377

Toronto, ON: 11/9

Austin, TX: 2/23

Toronto, ON: 3/2

Austin, TX: 4/27

Toronto, ON: 3/30, 5/11, 10/5

Austin, TX: 2/9

Toronto, ON: 4/6

Austin, TX: 9/14

Houston, TX: 5/12, 9/29

Houston, TX: 9/30

Houston, TX: 9/29

Houston, TX: 9/14

Houston, TX: 9/29

Houston, TX: 2/25

Houston, TX: 9/16

Houston, TX: 9/30

Houston, TX: 9/22

Knoxville, TN: 6/15, 10/12

Knoxville, TN: 9/28

Knoxville, TN: 9/21

Knoxville, TN: 6/22, 10/26

Knoxville, TN: 8/3, 11/2

Knoxville, TN: 5/11, 12/7

Knoxville, TN: 5/18, 7/20, 8/24, 10/5, 11/9, 12/14 Austin, TX: 8/17 San Diego, CA: 9/21

Knoxville, TN: 6/8, 7/27, 8/31, 10/12, 11/16, 12/14 Austin, TX: 6/22, 11/9 San Diego, CA: 5/18, 11/2

Knoxville, TN: 16/1, 8/24, 11/9 Austin, TX: 10/19 San Diego, CA: 7/20

Knoxville, TN: 6/16, 10/20

Call to Schedule: 800-675-4726

Knoxville, TN: 6/8

Knoxville, TN: 5/27, 12/15

Knoxville, TN: 6/12, 7/31, 9/4, 10/16, 11/20, 12/18 Austin, TX: 6/26, 11/13 San Diego, CA: 5/22, 11/6

Knoxville, TN: 6/5, 8/28, 11/13 Austin, TX: 10/23 San Diego, CA: 7/24

Knoxville, TN: 6/11

Knoxville, TN: 7/7, 10/27

Knoxville, TN: 5/18, 7/13, 8/10, 9/21, 11/9, 12/7 Austin, TX: 9/14, 12/7 San Diego, CA: 9/14

Knoxville, TN: 5/11, 6/22, 8/10, 9/14, 10/26, 12/7 Austin, TX: 9/21 San Diego, CA: 8/24

Knoxville, TN: 8/3, 11/2 Austin, TX: 7/20, 12/14 San Diego, CA: 7/27

Knoxville, TN: 5/13, 6/24, 8/12, 9/16, 10/28, 12/9 Austin, TX: 2/25, 9/23 San Diego, CA: 2/18, 8/26

Knoxville, TN: 6/1, 7/20, 8/17, 11/16 Austin, TX: 24/27, 10/12 San Diego, CA: 5/11, 10/19

Knoxville, TN: 2/19, 6/18, 10/22

Knoxville, TN: 4/7, 10/20

Knoxville, TN: 3/9, 9/14

Knoxville, TN: 7/27 Austin, TX: 8/10 San Diego, CA: 6/22

Knoxville, TN: 7/29 Austin, TX: 8/12 San Diego, CA: 6/24

Knoxville, TN: 8/3, 11/2

Knoxville, TN: 10/20

Knoxville, TN: 9/22

Knoxville, TN: 5/18, 8/17, 11/16 Austin, TX: 7/13

Knoxville, TN: 8/24

Call to Schedule: 800-675-4726

Knoxville, TN: 7/7, 10/6 Austin, TX: 5/5

Knoxville, TN: 6/23, 10/6

Knoxville, TN: 6/2, 6/4, 9/1, 9/3, 12/1, 12/3

To Register: 800-675-4726 www.emersonprocess.com/education/elearning_mhm.asp

2009 Course Scheduling, Locations & Pricing

Dates and prices are subject to change. For updated dates & locations visit our website at www.emersonprocess.com/education.

Field Devices (pages: 33-68)

All prices are in U.S. dollars.

Control Valves (800-338-8158 or 641-754-3771)

	Price
1300 Control Valve Engineering I	\$2,100
1350 Control Valve Engineering II	\$2,250
1400 Valve Technician I	\$2,000
1402 Baumann Valve Technician	\$1,850
1427 FlowScanner Data Acquisition & Interpretation	\$2,050
1428 Advanced FlowScanner Diagnostic Interpretation NEW	\$2,000
1451 Valve Maintenance with Digital Valve Controller Calibration	\$2,000
1700 Instrument Maintenance & Repair	\$2,000
1710 Instrument Technician	\$2,000
1751 Fundamentals of FIELDVUE Digital Instruments & Handheld Communicators	\$1,100
1752 ValveLink & Diagnostics for FIELDVUE — Operations	\$1,300
1753N Commercially Dedicated DVC6000 Digital Valve Controller Installation, Configuration and Troubleshooting	\$1,900
1759 ValveLink & Diagnostics for FIELDVUE— Data	\$1,700
7022 Fisher Smart Instrumentation with AMS Device Manager	\$1,900
7036 Fieldbus Digital Valve Controllers	\$1,900
e9020 eLearning: Fisher Valve Fundamentals	\$ 275

Daniel (713-827-6314)

D4110 Introduction to Gas Chromatographs	\$1,800
D4120 Introduction to Natural Gas Orifice Flow Metering	\$1,150
D4210 Operation & Maintenance of Gas Chromatographs	\$1,800
D4230 Operation & Maintenance of Gas Ultrasonics	\$1,800
D4240 Operation & Maintenance of DanLoak 6000™ Preset	\$1,800
D4241 Operation & Maintenance of Petrocount™ Preset	
D4260 Operation and Mainten. of Daniel 5600 Flow Computers	\$1,430
D4270 Operation & Maintenance of Daniel Compact Prover™	
D4280 Operation and Mainten. of Liquid Ultrasonic Flowmeters	\$1,430
D4290 Operation & Maintenance of Control Valves & Turbines	
D4310 Model 500/1000 Advanced Gas Chromatographs	\$1,430
D4320 Advanced Natural Gas Orifice Flow Metering	\$1,430
D4330 Model 700 Advanced Gas Chromatograph	\$1,800
D4410 Operation & Maintenance of DL8000 NEW	
D4420 Introduction to M2000 Sr. Orifice Fitting NEW	

Liquid Analytical (800-854-8257 ext. 8533)

2200 Conductivity Validation: Meet U.S. Pharmaceutical Water-for-Injection Require.	\$ 600
2201 Water Chemistry Essentials for Power Generation	\$3,000
2202 General pH, Conductivity and ORP Theory	\$ 600
2203 Rosemount Analytical Model 1055 Solu Comp II Analyzer	\$ 600
2210 Rosemount Analytical 54e Analyzers with Advanced Predictive Sensor Diagnostics	\$ 600
2212 Rosemount Analytical Model 5081 HART & FOUNDATION™ fieldbus Transmitter	\$ 600
2214 Rosemount Analytical Model Xmt HART & FOUNDATION™ fieldbus Transmitter	\$ 600
2220 Amperometric Measurement Theory: Chlorine, Dissolved Oxygen & Ozone	\$ 600

Measurement (800-338-8158 or 641-754-3771) Note: * Courses at these locations are an additional \$100

2302 1151 Smart Pressure Transmitter	\$ 550
2305 3051 Smart Pressure Transmitter	\$ 550
2306 3051 Smart Pressure Transmitter Using AMS Device Manager	\$ 600
2307 3051 Fieldbus Pressure Transmitter	\$ 600
2308 3051S Smart Pressure Transmitter	\$ 550
2321 3144/3144/3244 Temperature Transmitters	\$ 550
2323 3144P Smart Temperature Transmitters Using AMS Device Manager	\$ 600
2324 3144P Fieldbus Temperature Transmitters	\$ 600
2326 Process Measurement Products I (Pressure & Temperature)	\$1,700
2327 Process Measurement Products II (Flow)	\$1,300
2328 848 Fieldbus Temperature Transmitter	\$ 600
2329 Pressure, Temperature & Magnetic Flow Smart Transmitters	\$1,100
2332 3300 Guided Wave Radar Level Transmitter	\$ 600
2333 Process Measurement Products III (Level)	\$1,300
2334F 5600 Series Fieldbus Radar Level Transmitter	\$ 600
2334H 5600 Series HART Radar Level Transmitter	\$ 600
2336H 5400 Series HART Radar Level Transmitter	\$ 600
2337H 5300 Series HART Radar Level Transmitter NEW	\$ 600
2340 8700 Series Smart Magnetic Flowmeter	\$ 550
2341 8800 Smart Vortex Flowmeter	\$ 550
2342 3095FT Flow Transmitter	\$ 600
2343 3095MV Multi-Variable Transmitters	\$ 600
2344 8732 Series Smart Magnetic Flowmeter	\$ 550
2345 Model 3095FB Modbus Multi-Variable Transmitter	\$ 600
2346 8700 Series Smart Magnetic Flowmeter Using AMS Device Manager	\$ 600
2347 8742 Fieldbus Magnetic Flowmeter System	\$ 600
2348 8800 Smart Vortex Flowmeter Using AMS Device Manager	\$ 600
2349 8800C Fieldbus Vortex Flowmeter	\$ 600
2370 Fieldbus Measurement Instruments	\$2,000
2375 Wireless Self Organizing Network	\$1,200
7020 AMS Device Manager	\$1,850
7021 AMS Device Manager with Rosemount HART Instruments	\$1,400
7022 Fisher Smart Instrumentation with AMS Device Manager	\$1,900

2009 Start Dates Note: * Courses at these locations are an additional \$100	
Marshalltown, IA: 6/15, 7/27, 10/12, 12/7	Eden Prairie, MN* (course *1304): 6/2
Las Vegas, NV* (course *1304): 8/25	Columbia, SC* (course *1304): 6/2
Marshalltown, IA: 6/22, 10/19	Las Vegas, NV* (course *1354): 9/22
Marshalltown, IA: 6/8, 8/3, 9/21, 11/16	Edmonton, AB: 6/22, 10/19
Eden Prairie, MN* (course *1404): 9/15	Columbia, SC* (course *1404): 9/15, 10/6
Las Vegas, NV* (course *1404): 8/11	
Call to Schedule: 800-338-8158 or 641-754-3771	
Marshalltown, IA: 7/27	
Marshalltown, IA: 9/1	
Marshalltown, IA: 8/24, 12/7	Edmonton, AB: 7/6, 11/9
Fort McMurray, AB: 9/21	
Columbia, SC* (course *1456): 6/23	
Marshalltown, IA: 9/28	Edmonton, AB: 10/26
Marshalltown, IA: 5/18, 7/20, 10/26	
Marshalltown, IA: 7/13, 10/5	Edmonton, AB: 6/8, 10/5
Marshalltown, IA: 7/15, 10/7	Edmonton, AB: 6/10, 10/7
Marshalltown, IA: 4/7	
Marshalltown, IA: 8/11, 11/10	Edmonton, AB: 6/15, 10/13
Marshalltown, IA: 9/22	Edmonton, AB: 7/27
Fort McMurray, AB: 4/13	
Marshalltown, IA: 6/16, 8/4, 11/3	Edmonton, AB: 5/25
To Register: 800-338-8158 or 641-754-3771	www.emersonprocess.com/education/elearning.asp

Houston, TX: 8/5	
Call to Discuss Price/Location/Start Date: 713-827-6314	
Houston, TX: 6/8, 7/13, 8/10, 9/14, 10/5, 11/2, 12/7	
Houston, TX: 6/1, 7/20, 8/17, 9/28	
Call to Discuss Price/Location/Start Date: 713-827-6314	
Call to Discuss Price/Location/Start Date: 713-827-6314	
Houston, TX: 10/19	
Call to Discuss Price/Location/Start Date: 713-827-6314	
Houston, TX: 0/26	
Call to Discuss Price/Location/Start Date: 713-827-6314	
Houston, TX: 6/15, 9/21, 11/9	
Call to Discuss Price/Location/Start Date: 713-827-6314	
Houston, TX: 5/11, 8/24	
Call to Discuss Price/Location/Start Date: 713-827-6314	
Call to Discuss Price/Location/Start Date: 713-827-6314	

Irvine, CA: Call to Schedule: 800-854-8257 ext. 8533	
Irvine, CA: Call to Schedule: 800-854-8257 ext. 8533	
Irvine, CA: Call to Schedule: 800-854-8257 ext. 8533	
Irvine, CA: Call to Schedule: 800-854-8257 ext. 8533	
Irvine, CA: Call to Schedule: 800-854-8257 ext. 8533	
Irvine, CA: Call to Schedule: 800-854-8257 ext. 8533	
Irvine, CA: Call to Schedule: 800-854-8257 ext. 8533	
Irvine, CA: Call to Schedule: 800-854-8257 ext. 8533	
Irvine, CA: Call to Schedule: 800-854-8257 ext. 8533	

Call to Schedule: 800-338-8158 or 641-754-3771	
Call to Schedule: 800-338-8158 or 641-754-3771	
Call to Schedule: 800-338-8158 or 641-754-3771	
Call to Schedule: 800-338-8158 or 641-754-3771	
Call to Schedule: 800-338-8158 or 641-754-3771	
Call to Schedule: 800-338-8158 or 641-754-3771	
Call to Schedule: 800-338-8158 or 641-754-3771	
Call to Schedule: 800-338-8158 or 641-754-3771	
Eden Prairie, MN: 2/2, 5/4, 9/21	
Eden Prairie, MN: 2/10, 3/31, 10/27	
Call to Schedule: 800-338-8158 or 641-754-3771	
Pasadena, TX: 9/14	Charlotte, NC: 4/21
Oak Forest, IL: 5/11	Las Vegas, NV: 6/16
Marshalltown, IA: 4/21, 10/20	Lakeland, FL: 3/3
Call to Schedule: 800-338-8158 or 641-754-3771	
Eden Prairie, MN: 7/14, 10/6	
Call to Schedule: 800-338-8158 or 641-754-3771	
Call to Schedule: 800-338-8158 or 641-754-3771	
Lakeland, FL: 3/36	Charlotte, NC: 4/23
Call to Schedule: 800-338-8158 or 641-754-3771	
Call to Schedule: 800-338-8158 or 641-754-3771	
Call to Schedule: 800-338-8158 or 641-754-3771	
Call to Schedule: 800-338-8158 or 641-754-3771	
Call to Schedule: 800-338-8158 or 641-754-3771	
Call to Schedule: 800-338-8158 or 641-754-3771	
Marshalltown, IA: 4/23, 10/22	Pasadena, TX: 3/11
Oak Forest, IL: 5/13	Las Vegas, NV: 1/22, 6/18
Lakeland, FL: 3/5	Mansfield, MA: 6/18
Call to Schedule: 800-338-8158 or 641-754-3771	
Call to Schedule: 800-338-8158 or 641-754-3771	
Call to Schedule: 800-338-8158 or 641-754-3771	
Call to Schedule: 800-338-8158 or 641-754-3771	
Call to Schedule: 800-338-8158 or 641-754-3771	
Call to Schedule: 800-338-8158 or 641-754-3771	
Eden Prairie, MN: 7/20, 11/2	
Eden Prairie, MN: 5/19, 8/25, 12/15	
Austin, TX: 6/2, 9/15	Eden Prairie, MN: 5/11, 7/7, 8/17, 12/7
Edmonton, AB: 11/2	
Marshalltown, IA: 4/14	Las Vegas, NV*: 10/27
Fort McMurray, AB: 7/13	
Edmonton, AB: 9/9	Fort McMurray, AB: 5/4
Marshalltown, IA: 9/22	Edmonton, AB: 7/27
Fort McMurray, AB: 4/13	



2009 Course Scheduling, Locations & Pricing

Dates and prices are subject to change. For updated dates & locations visit our website at www.emersonprocess.com/education.

Field Devices Continued (pages: 33-68) All prices are in U.S. dollars.

Micro Motion (800-338-8158 or 641-754-3771)

2351	Micro Motion Sensors and RFT9739 Transmitter
2352	Micro Motion Comprehensive Product Training
2357	Micro Motion Sensors and RFT9739 Transmitter
2358	Micro Motion Series 1000/2000
2381	Micro Motion Modbus Digital Communication

Price	2009 Start Dates	*Save \$100 on 2381 if you take course 2352 the same week!
\$ 600	Pasadena, TX: 9/16	Oak Forest, IL: 5/15
\$1,150*	Boulder, CO: 7/20, 8/10, 9/14, 11/16	
\$ 600	Call to Schedule: 800-338-8158 or 641-754-3771	
\$ 600	Pasadena, TX: 9/17	Oak Forest, IL: 5/15
\$ 600*	Boulder, CO: 7/23, 8/13, 9/17, 11/19	

Process Analytic (800-433-6076 ext. 7045)

2102	951C Chemiluminescence/Analyzer
2103	400A Hydrocarbon Analyzer
2107	NGA 2000 Analyzers
2110	MLT Analyzers
2113	BINOS/OXYNOS/HYDROS Analyzers
2150	PowerVue™/Hagan Pneumatic Power Positioners
2153	Oxygen and Combustion Analyzer Maintenance including Oxymitter, X-STREAM 02, 5081FG & OCX 800
2157	Continuous Emissions Monitoring Systems (CEMS)
2168	CCO 5500 CO Analyzer Maintenance
2169	OPM 3000/4000 - Opacity Monitor Maintenance
2170	X-STREAM PGA (Process Gas Analyzers)

Call to Discuss Price/Location/Start Date:	800-433-6076 ext. 7045
Call to Discuss Price/Location/Start Date:	800-433-6076 ext. 7045
Call to Discuss Price/Location/Start Date:	800-433-6076 ext. 7045
Call to Discuss Price/Location/Start Date:	800-433-6076 ext. 7045
Call to Discuss Price/Location/Start Date:	800-433-6076 ext. 7045
Call to Discuss Price/Location/Start Date:	800-433-6076 ext. 7045
Call to Discuss Price/Location/Start Date:	800-433-6076 ext. 7045
Call to Discuss Price/Location/Start Date:	800-433-6076 ext. 7045
Call to Discuss Price/Location/Start Date:	800-433-6076 ext. 7045
Call to Discuss Price/Location/Start Date:	800-433-6076 ext. 7045

Regulators & Gas Control (800-338-8158 or 641-754-3771)

1100	Gas Regulator Technician
1106	Gas Regulator Troubleshooting
8000	Gas Control Conference

Note:	* Courses at these locations are an additional \$100
\$1,800	Marshalltown, IA: 6/2, 9/1
\$1,800	McKinney, TX* (course 1101): 3/31
\$1,100	Marshalltown, IA: 6/23, 9/15
	McKinney, TX: 10/19

Valve Automation

VA101	Bettis Gas/Hydraulic Product Servicing
VA102	Bettis PressureGuard & Linear Actuators, Control Systems & Accessories & Multiport Flow Selector Products
VA103	Bettis Rack & Pinion & Scotch-Yoke Product Servicing
VA104	Bettis Rack & Pinion and Scotch-Yoke Products
VA106	Dantorque Products
VA107	El-O-Matic Products
VA108	Hytork Products
VA109	Shafer Products

Edmonton, AB:	Call to Discuss Date & Price: 780-450-3600
Edmonton, AB:	Call to Discuss Date & Price: 780-450-3600
Waller, TX:	Call to Discuss Date & Price: 281-727-5300
Waller, TX:	Call to Discuss Date & Price: 281-727-5300
This course can be tailored to meet your needs. Call to Discuss Details: 419-529-4311 ext. 1170	
Tampa Bay, FL:	Call to Discuss Date & Price: 813-630-2255
Tampa Bay, FL:	Call to Discuss Date & Price: 813-630-2255
This course can be tailored to meet your needs. Call to Discuss Details: 419-529-4311 ext. 1170	

Automation Systems (pages: 69-102) All prices are in U.S. dollars.

DeltaV™ (800-338-8158 or 641-754-3771)

7009	DeltaV Implementation I	\$2,750
7012	DeltaV Operator Interface for Continuous Control	
7012e	eLearning: DeltaV Operator Interface for Continuous Control	\$ 550
7014	DeltaV Operator Interface for Batch	
7016	DeltaV Systems Batch Implementation	\$2,750
7017	DeltaV Implementation II	\$2,750
7018	DeltaV Hardware & Troubleshooting	\$2,550
7024	DeltaV Systems Administration XP/Server 2003	\$2,750
7025	DeltaV Advanced Graphics	\$2,750
7041	Simulation with Mimic	\$2,200
7045	Alarm Management with DeltaV Analyze	\$1,600
7060	DeltaV Operate for PROVOX	\$2,450
7070	DeltaV Implementation for System Integrators	\$3,950
7071	DeltaV Batch Implemen. for System Integrators	\$3,950
7101	PlantWeb/DeltaV Introduction	\$1,950
7201	DeltaV Advanced Control	\$2,850
7202	DeltaV Model Predictive Control	\$2,150
7301	DeltaV SIS Overview	\$1,950
7303	DeltaV Safety Instrumented System (SIS) Maintenance	\$2,100
7305	DeltaV SIS Implementation	\$2,750
5590	Power & Grounding for Electronic Systems	\$1,450
EV93	eLearning: DeltaV 9.3 Features	\$ 200
OTS	DeltaV Operator Training Solutions	
CD	DeltaV Version 7.4 Continuous Historian Tutorial	\$ 395

2009 Start Dates	
Austin, TX:	6/1, 6/15, 6/22, 7/13, 7/27, 8/10, 8/31, 9/14, 9/28, 10/12, 10/26, 11/2, 11/16, 11/30, 12/14
Edmonton, AB:	5/25, 6/22, 7/20, 8/17, 9/14, 10/26, 11/16, 12/7
Fort McMurray, AB:	6/8, 8/31, 11/30
Call to Discuss Date/Price: 800-338-8158 or 641-754-3771	
Available On-Line: www.emersonprocess.com/education/elearning_DeltaV.asp	
Call to Discuss Date & Price: 800-338-8158 or 641-754-3771	
Austin, TX:	6/1, 7/20, 9/28, 12/7
Austin, TX:	6/8, 8/17, 9/14, 11/9
Edmonton, AB:	7/27, 9/21, 11/9
Austin, TX:	6/15, 7/13, 8/3, 9/21, 10/19, 12/14
Edmonton, AB:	6/8, 8/10, 9/8, 10/5, 11/23
Fort McMurray, AB:	7/6, 12/7
Austin, TX:	6/8, 7/27, 10/26
Austin, TX:	7/27, 10/5, 12/14
Edmonton, AB:	6/15, 9/21, 12/14
Austin, TX:	7/13, 10/26
Austin, TX:	5/12, 10/6
Austin, TX:	5/11
Austin, TX:	6/29, 8/31
Austin, TX:	9/8
Austin, TX:	11/16
Austin, TX:	5/18, 10/19
Austin, TX:	8/3
Austin, TX:	6/1
Austin, TX:	7/6
Edmonton, AB:	9/9
Austin, TX:	6/22, 8/17, 10/12, 12/14
Edmonton, AB:	3/9, 9/14
Austin, TX:	7/28, 11/17
Available On-Line: www.emersonprocess.com/education/elearning_DeltaV9.3.asp	
More details: www.emersonprocess.com/education/ots.asp	
Part Number: D750508X012 To order call: 800-338-8158 or (641) 754-3771	

Ovation® (800-445-9723 or 412-963-3900)

OV001	Ovation Project Planning
OV010	Ovation Operator
OV100WIN	Starting with Data Acquisition
OV120WIN	User Upgrade to Ovation
OV200WIN	Building & Maintaining Ovation Control
OV210WIN	Building Ovation Graphics
OV220	System Installation

Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900

2009 Course Scheduling, Locations & Pricing

Dates and prices are subject to change. For updated dates & locations visit our website at www.emersonprocess.com/education.

Automation Systems (pages: 69-102) All prices are in U.S. dollars.

Ovation® (800-445-9723 or 412-963-3900)

	Price	2009 Start Dates
OV230WIN System Administration	Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
OV240WIN Ovation Historical Data Collection & Reports Enterprise Historian	Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
OV245 Ovation Process Historian	Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
OV250 Configuring: Ovation Serial Link Controller I/O	Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
OV260 Configuring the Ovation Data Link Server	Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
OV270WIN Ovation with HART and Smart Devices	Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
OV280-WIN Ovation SCADA System	Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
OV300WIN Ovation Troubleshooting	Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
OV310WIN Advanced Ovation Graphics Programming	Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
OV320WIN Ovation Network Administration	Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
OV330WIN Ovation Advanced Control	Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
OV340-WIN Ovation Applications with Fieldbus	Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
OV360-WIN Ovation Security: 2.4 Syst.	Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
OV390 Advanced Topics for Unix-Based Systems	Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
OV400WIN Ovation Certification Program	Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900

PROVOX® (800-338-8158 or 641-754-3771)

5160 Introduction to PROVOX System Configuration Using ENVOX on a DEC-Platform	\$2,950	Austin, TX: 6/1, 10/5
5170 Introduction to PROVOX System Configuration Using ENVOX and Operator Workplace	\$2,950	Austin, TX: 6/1, 10/5
5171 PROVOX System Configuration Using Control Desktop and PROVOX Operator Console	\$2,950	Austin, TX: 6/1, 10/5
5190 PROVOX System Configuration Using ENVOX and PROVOX Operator Console	\$2,950	Austin, TX: 6/1, 10/5
5191 PROVOX System Configuration Using Control Desktop and PROVOX Operator Console	\$2,950	Austin, TX: 6/1, 10/5
5197 PROVOX System Configuration Using Control Desktop and DeltaV Operate	\$2,950	Austin, TX: Call to Schedule: 800-338-8158 or 641-754-3771
5265 ENVOX Server P5.0 & Control Desktop P5.0	\$2,950	Austin, TX: Call to Schedule: 800-338-8158 or 641-754-3771
5290 PROVOX Batch Control Config. Using ENVOX for PROVIEW, PROVOX Operator Console/OWC	\$2,950	Austin, TX: 9/21
5360 PROVOX Continuous Control Configuration: ENVOX	\$2,950	Austin, TX: 6/8, 10/12
5370 PROVOX Continuous Control Configuration: ENVOX and Operator Workplace	\$2,950	Austin, TX: 6/8, 10/12
5375 Mastering PROVOX FSTs	\$2,950	Austin, TX: 9/14
5390 PROVOX Adv. Continuous Control Configuration Using ENVOX /PROVOX Operator Console	\$2,950	Austin, TX: Call to Schedule: 800-338-8158 or 641-754-3771
5391 PROVOX Adv. Continuous Control Config. Using Control Desktop/PROVOX Operator Console	\$2,950	Austin, TX: Call to Schedule: 800-338-8158 or 641-754-3771
5397 Advanced PROVOX System Configuration Using Control Desktop and DeltaV Operate	\$2,950	Austin, TX: Call to Schedule: 800-338-8158 or 641-754-3771
5503 PROVOX Systems Hardware & Troubleshooting: SR-90 and 20-Series IFC/UOC Controllers	\$5,200	Austin, TX: 8/10

ROC & FloBoss (800-338-8158 or 641-754-3771)

1200 ROC & FloBoss Engineering I	\$2,050	Note: * Courses at these locations are an additional \$100 Marshalltown, IA: 7/13 Edmonton, AB: 8/4, 11/2 Grande Prairie, AB: 6/15
1210 ROC & FloBoss Engineering II	\$2,050	Marshalltown, IA: 3/2
1217 ROC & FloBoss Troubleshooting & Problem Solving	\$1,700	Marshalltown, IA: 10/5
1220 FloBoss Engineering I	\$2,050	Marshalltown, IA: 6/1, 9/14
1240 ROC 809 Engineering I	\$2,050	Marshalltown, IA: 8/3, 11/9
1241 DS800 for ROC809 Programming	\$1,800	Marshalltown, IA: 8/10, 11/16

RS3 Systems (800-338-8158 or 641-754-3771)

3100 Introduction to RS3	\$2,950	Austin, TX: 6/22, 10/19
3110 RS3 Operator Station Transition	\$1,350	Austin, TX: Call to Schedule: 800-338-8158 or 641-754-3771
3200 RS3 Hardware and Maintenance	\$2,950	Austin, TX: 6/22, 10/19
3400 RS3 Process Operation	\$2,050	Austin, TX: Call to Schedule: 800-338-8158 or 641-754-3771
3500 RS3 Advanced Configuration	\$2,100	Austin, TX: 6/22, 10/19
3600 Configuring RS3 Control for Batch Processes	\$2,950	Austin, TX: 6/22

Terminal Automation (281-207-2957)

TA100 Terminal Management Solutions	Call to Discuss Price/Location/Start Date:	281-207-2855
TA101 Introduction to Autoload	Call to Discuss Price/Location/Start Date:	281-207-2855
TA102 Autoload Configuration & Setup	Call to Discuss Price/Location/Start Date:	281-207-2855
TA121 Introduction to DANTAS	Call to Discuss Price/Location/Start Date:	281-207-2855
TA122 DANTAS Configuration & Setup	Call to Discuss Price/Location/Start Date:	281-207-2855
TA123 DANTAS Administration & System Maintenance	Call to Discuss Price/Location/Start Date:	281-207-2855

WDPF (800-445-9723 or 412-963-3900)

WSU-8.6 WEStation Software User	Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
ADM-8.6 WEStation System Administrator	Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
WAG WEStation Advanced Graphics	Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
WAC/ADC Advanced Control	Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
WSM-8.6 WEStation Software Maintenance	Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
WHM-8.6 WEStation Hardware Maintenance	Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
WHL-8.6 WEStation Historian & Log Server	Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
WTS WEStation Troubleshooting	Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
SYS WDPF System User	Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
SYM WDPF System Maintenance	Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
7LM WDPF Level 7 Maintenance	Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
PCH WDPF PC on the Highway	Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
WOP WEStation Operator	Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
NWK WEStation Networking	Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
DEH MOD II DEH MOD II System	Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900
USU-8.6 Standard User Upgrade to WEStation 8.6	Call to Discuss Price/Location/Start Date:	800-445-9723 or 412-963-3900

Electrical (pages: 103-110) (775-746-8484) All prices are in U.S. dollars.

Price, location & start date is determined by class size, location & topic. Please call 775-746-8484 to discuss.



2009 Course Scheduling, Locations & Pricing

Dates and prices are subject to change. For updated dates & locations visit our website at www.emersonprocess.com/education.

Plant Safety (pages: 107-111) (2710 & 2711 Call 800-338-8158 / 2720-2731 Call 512-834-7689 All prices are in U.S. dollars.

2710 Preventing Catastrophic Accidents-The Fundamentals		Call to Discuss Date & Price: 800-338-8158 or 641-754-3771
2711 Breakthrough Leadership in Safety for the Chemical Process Industry		Call to Discuss Date & Price: 800-338-8158 or 641-754-3771
2720 PSM (Process Safety Management) Fundamentals	\$ 600	St. Louis, MO or your location Call to Schedule: 512-834-7689
2722 OSHA 10 Hour General Industry Outreach	\$ 300	St. Louis, MO or your location Call to Schedule: 512-834-7689
2724 Facilitating HazOps	\$1,100	St. Louis, MO or your location Call to Schedule: 512-834-7689
2725 Fault Tree Analysis	\$ 600	St. Louis, MO or your location Call to Schedule: 512-834-7689
2726 Risk Assessment -Off-Site Consequences	\$ 600	St. Louis, MO or your location Call to Schedule: 512-834-7689
2727 Layers of Protection Analysis	\$ 600	St. Louis, MO or your location Call to Schedule: 512-834-7689
2728 Incident Analysis	\$ 600	St. Louis, MO or your location Call to Schedule: 512-834-7689
2729 P&ID Preparation	\$ 600	St. Louis, MO or your location Call to Schedule: 512-834-7689
2730 Safety Engineering Overview	\$1,100	St. Louis, MO or your location Call to Schedule: 512-834-7689
2731 Safety Engineering	\$2,200	St. Louis, MO or your location Call to Schedule: 512-834-7689
BSE101 Elearning: Safety Engineering Overview	\$ 450	Call to Discuss Date & Price: 800-338-8158 or 641-754-3771
BSE201 Elearning: Safety Engineering	\$ 750	Call to Discuss Date & Price: 800-338-8158 or 641-754-3771

Packaged Training Products

For a complete listing of packaged training modules and pricing reference our website at www.emersonprocess.com/education. Prices are subject to change. Order cannot be filled without providing a FULL shipping address, including a contact name and phone number for processing the shipment and receipt of the package at customer site.

Process Control & Measurement (pages: 16-19, 48-58) Phone - NA Toll Free: 800-338-8158 Phone - Elsewhere: 641-754-3771

Fundamentals of Process Control	\$1,275	CEUs: 2.5	Part #: D750152X012
Advanced Process Control	\$1,050	CEUs: 2.0	Part #: D750108X012
Fundamentals of Process Measurement	\$1,050	CEUs: 2.0	Part #: D750310X012

Control Valves (pages: 34-40) Phone - NA Toll Free: 800-338-8158 Phone - Elsewhere: 641-754-3771

Fundamentals of Control Valve Engineering	\$3,225	CEUs: 7.0	Part #: D750028X012
Control Valve & Actuator Maintenance	\$1,275	CEUs: 2.5	Part #: D750070X012
Fundamentals of Control Valve Positioners	\$ 750	CEUs: 1.5	Part #: D750096X012

Pressure Regulators (page: 65) Phone - NA Toll Free: 800-338-8158 Phone - Elsewhere: 641-754-3771

Pressure Regulator Technology	\$1,875	CEUs: 4.0	Part #: D750045X012
-------------------------------	---------	-----------	---------------------

DeltaV™ (pages: 70-76) Phone - NA Toll Free: 800-338-8158 Phone - Elsewhere: 641-754-3771

DeltaV Version 7.4 Continuous Historian Tutorial Part Number: D750508X012

This tutorial is intended for those individuals who have attended DeltaV course 7009 using Version 7.3 or prior release. Materials covered within version 7.4 include: - Introduction to the DeltaV Continuous Historian; Configuration of the Continuous Historian; Continuous Historian Architecture; Continuous Historian Administration; Converting from legacy to the New Continuous Historian; DeltaV Reporter; Continuous Historian Troubleshooting

PROVOX® FST Training Aids - FSTeacher Phone - NA Toll Free: 800-338-8158 Phone - Elsewhere: 641-754-3771

FST User Pocketbook - This pocketable reference for writing FST's includes in-depth explanations and examples for each instruction.

Part #: D750192X012 Quantities of 1-4 - \$ 19.95 Quantities of 5-9 - \$14.95 Quantities of 10 or more - \$10.95

FSTeacher Emulation Software This package teaches students how to effectively use the PROVOX control language to implement control schemes. This program is for process control engineers who specify and configure PROVOX console-based systems for batch and continuous control, and also for technicians who maintain PROVOX control system. FSTeacher is a software emulation package of the PROVOX FST control language using Microsoft Excel spreadsheet program operating under Microsoft Windows. It can be used as a learning tool and as an FST development tool. This emulation package is also the basis for course number 5375, Mastering PROVOX FST's. Part #: D750189X012 \$ 400

Ordering Information For Packaged Training Above

For details, visit: www.emersonprocess.com/education and then select Catalog/North America/sPackaged Training

To order, any Packaged Training products, contact your local Emerson Process Management Sales Representative & reference course name & part number.

For More Information: Phone - NA Toll Free: 800-338-8158 Phone - Elsewhere: 641-754-3771 Fax: 641-754-3431

E-mail: education@emersonprocess.com

Notes: Individual Units and Modules may be purchased separately. Many other trade and skill courses also available from Educational Services and our partner - Coastal Skills Training.

Machinery Health™ Management Training (pages: 22-32) Phone - NA Toll Free: 800-675-4726 Phone - Elsewhere: 865-675-2400

Introduction to Vibration Analysis, #ATV-6: \$505

Gear Analysis, #ATV-8: \$505

Resonance, #ATV-10: \$505

Rolling Element Bearing Analysis: Defect Detection, #ATV-4: \$505; Severity Determination, #ATV-5: \$505

Introduction to Infrared Thermography, #ATV-13: \$505

Detailed Waveform Analysis, #ATV-9: \$505

Detailed Phase Analysis, #ATV-16: \$505

Fundamentals of Alignment, #ATV-14: \$505

Balancing: Fundamentals of Balancing, #ATV-17: \$505; Industrial Application of Balancing, #ATV-18: \$505

Phone - 800-675-4726 or 865-675-2400

Oil Analysis: Keys to Successful Condition Monitoring, #ATV-15: \$505 For more information, visit: www.mhm.assetweb.com/expertise/education.html