

Paths to Success - Machinery Health™ Management

Pick the curriculum of your choice or let us help guide your technicians on a path to certification.
All training uses the latest equipment.

Choose and Complete Your Machinery Health Training Path to Success

Category I Vibration Analyst Path	Category II Vibration Analyst Path	Category III Vibration Analyst Path	Lubrication Analyst Path	Online Monitoring Path	Reliability Management Path	Complementary PdM Technology
Course 2069 Fundamentals of Vibration Analysis	Course 2074 Intermediate AMS Machinery Manager	Course 2070 Advanced AMS Machinery Manager	Course 2082 Lubrication Level 1 and Level 2 with Certification Exam	Course 2088 On-line Prediction Operation and Maintenance	Course 2093 Maintenance Best Practices	Course 2015 Balancing Theory and Applications with CSI 2130
Course 2072 Fundamentals of CSI 2130	Course 2032 Intermediate Vibration Analysis	Course 2033 Advanced Vibration Analysis	Course 2084 Wear Debris Analysis Workshop	Course 2080 On-line Protection Operation and Maintenance	Course 2053 Root Cause Failure Analysis	Course 2092 Laser Alignment with CSI 2130
Course 2068 Introduction to AMS Machinery Manager	Course 2022EX Category II Exam	Course 2023EX Category III Exam	Course 2083 Oilview for AMS Machinery Manager	Course 2089 Turbo Machinery Diagnostic		Course 2067 Basic Ultrasonic Theory and Techniques
Course 2031 Basic Vibration Analysis	Optional course highly recommended Course 2091 CSI 2130 Advanced Functions	Optional course highly recommended Course 2035 and 2075 PeakVue® Mystery and Autocorrelation				Course 2019 IR Thermography Level 1
Course 2021EX Category I Exam						Course 2018 IR Analysis for AMS Machinery Manager
						Course 2081 Electric Motor Diagnostics and Basic Motorview

Category I Vibration Analyst Path

Introduces students with no prior experience in vibration monitoring and analysis to the theories of vibration data and basic operation of the CSI 2130 Machinery Health® Analyzer and AMS® Suite: Machinery Health Manager.

Category II Vibration Analyst Path

For experienced students who are familiar with vibration data collection and want to advance their knowledge and ability to diagnose machinery issues.

Category III Analyst Path

Teaches students the advanced power of PeakVue and root causes of machine problems.

Lubrication Analyst Path

Explores lubrication analysis and its importance to a complete reliability program. Lubrication analysis is often the easiest way to diagnose common machine problems.

Online Monitoring Path

For students with the CSI 4500, XP32, CSI 6500 or CSI 6000 systems. Explore the benefits of continuous monitoring of critical machinery and how to integrate with operational plant control architecture.

Complementary PdM Technology

Instruction rounds out a full reliability program with Infrared Thermography, Ultrasonic, Balancing, Alignment and Electric Motor Diagnostic courses.

For additional information and registration, please send us email:

MEA.Education@emerson.com

www.emersonprocess.com/education



EMERSON
Process Management

Learning Path - Automation Systems

Plant Operators /Managers / Supervisors

These courses are for individuals needing an introduction to the technology and concepts used in new generation of process control systems for Operators responsible for the operation of continuous processes using DeltaV system, Project Managers, Supervisors and teams members who provide supporting roles on DeltaV Automation System and Safety Instrumented System Project.

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| ▶ PlantWeb® /DeltaV™ Introduction | Course 7101 | CEUs: 2.1 |
| ▶ DeltaV Operator Interface for Cont. Control | Course 7012 | CEUs: 1.4 |
| ▶ DeltaV™ SIS Overview | Course 7301 | CEUs: 2.1 |

Maintenance Engineers & Technicians

This course is recommended for instrumentation and maintenance technicians and their managers, and for configuration engineers prior to taking configuration classes. It provides an overview of the DeltaV Control Network, hardware, and software applications, Upon completion, you will be able to describe the hardware and perform troubleshooting techniques for the DeltaV Control Network, Controllers, I/O subsystem, and workstation. The individuals responsible for installing, troubleshooting, calibrating and configuring Foundation fieldbus instruments and control strategies using the DeltaV scalable systems, provides the quickest route to your productive use of this predictive maintenance application. The training exercises focus on skills required by engineers and technicians, and are based on real-world tasks that most users will encounter on day to day activities.

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| ▶ DeltaV Hardware & Troubleshooting | Course 7018 | CEUs: 2.8 |
| ▶ Fieldbus Systems and Devices | Course 7032 | CEUs: 3.2 |
| ▶ AMS Device Manager | Course 7020 | CEUs: 2.1 |

Engineering / Configuration Engineers

These courses are for individuals responsible for configuring and commissioning a DeltaV System, responsible for interfacing with DeviceNet, AS-I Profibus DP HART and serial communication busses to a DeltaV™ Scalable system.

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| ▶ DeltaV Implementation I | Course 7009 | CEUs: 3.2 |
| ▶ DeltaV Implementation II | Course 7017 | CEUs: 3.2 |
| ▶ Communication Bus Interfaces with the DeltaV System | Course 7037 | CEUs: 2.1 |
| ▶ DeltaV Advanced Control | Course 7201 | CEUs: 3.2 |

Engineers & System Administrators

These courses are for system administrators that will be installing, commissioning and implementing a DeltaV system running on the XP Operating system and Windows Server Operating system.

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| ▶ DeltaV Systems Administration - XP/Server 2003 | Course 7024 | CEUs: 3.2 |
| ▶ DeltaV Systems Administration - Windows 7/Server 2008 | Course 7027 | CEUs: 3.2 |

Safety Instrumented Systems

These courses are for individuals responsible for maintaining a DeltaV SIS, personnel who design, implement, commission and service DeltaV SIS.

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| ▶ DeltaV™ Safety Instrumented System (SIS) Maintenance | Course 7303 | CEUs: 2.1 |
| ▶ DeltaV™ SIS Implementation | Course 7305 | CEUs: 3.2 |

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