

Liebert Precision Cooling Products



**Emerson Network Power Learning Center
Westerville Campus
530 Westar Blvd., Westerville, OH 43082
Phone: (614) 841-6120 / Fax: (614) 841-6133**

(Revised 12/14/09)

2010 Training Catalog

Program Descriptions – Factory Only

Cooling Products 1 – PCT101F Location: Factory (Columbus, OH)* Fee: \$495.00 (US)

MiniMate / DataMate and Wall Control

Length: One Day (8 Hours)

Description: A full one-day session on small systems will be led by an experienced factory instructor. Students will enjoy an active class that will incorporate the presentations plus hands-on training using factory build simulators, constructed with actual main control board and wall control. Technicians will perform practical exercises to set up and demonstrate real life unit operation in our new lab with operating equipment. Testing of voltages, input and output opto isolators to diagnose proper circuit board operation. Emerson/Liebert is authorized by IACET to offer .7 CEUs for successful completion of this program. HVAC experience required to enhance the learning experience.

*Student attending factory classes will have the opportunity to program and diagnose operational Precision Cooling equipment at our new state-of-the-art training center.

Format: Lecture demonstrations, hands-on exercises, programming, troubleshooting and test (passing is 80% or better).

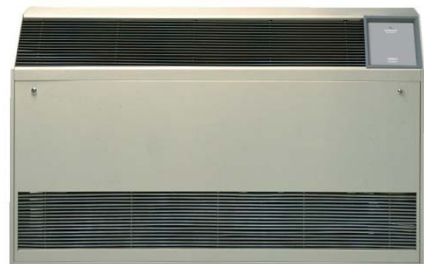
Learning Outcomes:

- Component identification and operation
- Installation, operation and maintenance procedures
- Basic – advanced troubleshooting

Who Should Attend:

This class is for the HVAC technician that will perform startup and warranty repairs on the above Liebert equipment. The class qualifies for the Factory Trained Technician (FTT) classification in the Precision Cooling Partnership Program.

THIS CLASS QUALIFIES AS PART OF THE RENEWAL FOR THE FACTORY TRAINED TECHNICIAN (FTT) CLASSIFICATION IN THE PRECISION COOLING PARTNERSHIP PROGRAM.



Program Descriptions – Factory Only

Cooling Products 1 – PCT102F Location: Factory (Columbus, OH)* Fee: \$495.00 (US)

Large Systems with Advanced and Graphics Control Overview

Length: One Day (8 Hours)

Description: Students will enjoy presentations by an experienced factory instructor. This is a fast paced overview of the Liebert Deluxe 3 and Challenger3000 unit with the AM/AG control, covering basic programming, mechanical operation and maintenance.

Format: Lecture, documentation-based exercises and student interaction with visual aids that will include applicable literature.

Learning Outcomes:

- Equipment identification
- Identify different cooling configuration types
- Identification of heat rejection types
- General component identification to know what you're looking at.

Who Should Attend:

This class is for customers, end users and HVAC technicians looking for a basic overview of Liebert products and controls.

THIS CLASS DOES NOT QUALIFY FOR ANY CLASSIFICATION.



Program Descriptions – Factory Only

Cooling Products 1 – PCT103F Location: Factory (Columbus, OH)* Fee: \$795.00 (US)

Large Systems with Advanced and Graphics Controls Overview and Hands-On Lab

Length: Two Days (16 Hours)

Description: This two-day session on Deluxe3 and Challenger3000with AM/AG control will be led by an experienced factory instructor. Students will enjoy an active class that will incorporate the presentations plus hands-on training using factory built simulators, constructed with actual main control board, AM/AG control, fuse board and temperature-humidity sensor. Technicians will perform practical exercises to set up and demonstrate real life unit operation in our new lab with operating equipment. Testing of voltages, input and output opto isolators to diagnose proper circuit board operation. Homework assignments are part of the class curriculum. Emerson/Liebert is authorized by IACET to offer 1.4 CEUs for successful completion of this program. HVAC experience required to enhance the learning experience.

*Student attending factory classes will have the opportunity to program and diagnose operational Precision Cooling equipment at our new state-of-the-art training center.

Format: Lecture demonstrations, hands-on exercises, programming, troubleshooting and test (passing is 80% or better).

Learning Outcomes:

- Identify Large Environmental Products and their model numbers
- Install, start up and maintain the Deluxe Systems
- Program, wire, diagnose and troubleshoot Advanced Microprocessors

Who Should Attend:

The class is for the mid-level HVAC technician that needs basic knowledge of Liebert products to perform maintenance and minor repair. The class qualifies as part of the renewal for the Factory Trained Technician (FTT) classification in the Precision Cooling Partnership Program.

THIS CLASS QUALIFIES AS PART OF THE RENEWAL FOR THE FACTORY TRAINED TECHNICIAN (FTT) CLASSIFICATION IN THE PRECISION COOLING PARTNERSHIP PROGRAM.



Program Descriptions – Factory and Regional

Cooling Products 1 – PCT105F	Location: Factory (Columbus, OH)*	Fee: \$1,700.00 (US)
PCT105R	Location: Regional (See Schedule)	Fee: \$1,700.00 (US)

Advanced and Graphics Controls

Length: Four Days (32 Hours)

Description: A full four-day session on Deluxe System 3, Challenger3000 and current Small Systems products. Students will enjoy an active class that will incorporate the presentations plus hands-on training using factory built simulators, constructed with actual main control board, AM/AG control, fuse board and temperature-humidity sensor. Topics covered are Operations, Programming, Installation Basics, Startup, Maintenance, Service, and Troubleshooting. A basic presentation of the iCOM control is included. Homework assignments are part of the session curriculum. Emerson/Liebert is authorized by IACET to offer 2.8 CEUs for successful completion of this program. HVAC experience required to enhance the learning experience.

*Student attending factory classes will have the opportunity to program and diagnose operational Precision Cooling equipment at our new state-of-the-art training center.

Format: Lecture demonstrations, hands-on exercises, programming, troubleshooting and test (passing is 80% or better).

Learning Outcomes:

- Identify Large Environmental Products and their model numbers
- Install, start up and maintain the Deluxe Systems
- Program, wire, diagnose and troubleshoot Advanced Microprocessors
- Identify MiniMate2 and model numbers
- Install, start up and maintain the MiniMate2
- Program, wire, diagnose and troubleshoot the MiniMate2

Who Should Attend:

Class is for the experienced HVAC technician that will perform start-up and warranty repairs on the above Liebert equipment.

THIS CLASS QUALIFIES AS PART OF THE RENEWAL FOR THE FACTORY TRAINED TECHNICIAN (FTT) CLASSIFICATION IN THE PRECISION COOLING PARTNERSHIP PROGRAM.

Program Descriptions – Factory Only

Cooling Products 2 – PCT201F Location: Factory (Columbus, OH) Fee: \$495.00 (US)
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DS-VS / iCOM Control Overview

Length: One Day (8 Hours)

Description: This one-day session is led by an experienced factory instructor. Students will participate in fast-paced overview of the Liebert down-flow DS unit and up-flow VS units with the iCOM control, covering basic installation, iCOM programming, startup and maintenance. Emerson/Liebert is authorized by IACET to offer .7 CEUs for successful completion of this program. HVAC experience required to enhance the learning experience.

Format: Lecture, documentation-based exercises, and student interaction.

Learning Outcomes:

- Identify Large Environmental Products and their model numbers
- Understand the basic control operations
- Understand the basic mechanical operations
- Understand basic maintenance needs

Who Should Attend:

This class is for customers, end users and HVAC technicians looking for a basic overview of Liebert products and controls.

THIS CLASS DOES NOT QUALIFY FOR ANY CLASSIFICATION.

Program Descriptions – Factory Only

Cooling Products 2 – PCT203F	Location: Factory (Columbus, OH)*	Fee: \$795.00 (US)
PCT203C	Location: Customer Site	Fee: \$795.00 (US)

DS-VS / iCOM Control Overview with Hands-On Lab

Length: Two Days (16 Hours)

Description: This two-day session on down-flow DS and up-flow VS units with iCOM control will be led by an experienced factory instructor. Students will enjoy an active class that will incorporate the presentations plus hands-on training using factory built simulators, constructed with actual main control board, iCOM control, fuse board and temperature-humidity sensor. Technicians will perform practical exercises to set up and demonstrate real life unit operation in our new lab with operating equipment. Testing of voltages, input and output opto isolators to diagnose proper circuit board operation. Homework assignments are part of the class curriculum. Emerson/Liebert is authorized by IACET to offer 1.4 CEUs for successful completion of this program. HVAC experience required to enhance the learning experience.

*Student attending factory classes will have the opportunity to program and diagnose operational Precision Cooling equipment at our new state-of-the-art training center.

Format: Lecture demonstrations, hands-on exercises, programming, troubleshooting and test (passing is 80% or better).

Learning Outcomes:

- Identify Large Environmental Products and their model numbers
- Understand basic Installation, start up and maintenance of the DS – VS Environmental Products
- Navigate through iCOM controls
- Implement iCOM temperature-humidity programs
- Utilize iCOM programming menus, screens and icons
- Program, diagnose and troubleshoot large and small displays

Who Should Attend:

This class is for the mid-level technician that needs basic knowledge of Liebert products to perform maintenance and minor repair.

THIS CLASS QUALIFIES AS PART OF THE RENEWAL FOR THE FACTORY TRAINED TECHNICIAN (FTT) CLASSIFICATION IN THE PRECISION COOLING PARTNERSHIP PROGRAM (SEE PAGE 18).

Program Descriptions – Factory Only

Cooling Products 2 – PCT205F	Location: Factory (Columbus, OH)*	Fee: \$495.00 (US)
PCT205C	Location: Customer Site	Fee: \$495.00 (US)

DS-VS / iCOM Control Networking Only

Length: One Day (8 Hours)

Description: Students will enjoy presentations by an experienced factory instructor. This is a hands-on, in-depth class for networking of Liebert DS - VS units with the iCOM control, covering planning, programming of controls and wiring.

Format: Lecture demonstrations, hands-on exercises, programming, troubleshooting and test (passing is 80% or better).

Learning Outcomes:

- Navigate through iCOM controls
- Perform basic unit-to-unit networking with small displays
- Perform multiple unit networking using the large displays
- Student will demonstrate unit lead – lag operation

Who Should Attend:

This class is for the mid-level technician that needs basic knowledge of Liebert products to perform network setup and operation.

THIS CLASS QUALIFIES AS PART OF THE RENEWAL FOR THE FACTORY TRAINED TECHNICIAN (FTT) CLASSIFICATION IN THE PRECISION COOLING PARTNERSHIP PROGRAM (SEE PAGE 18).

Program Descriptions – Factory and Regional

Cooling Products 2 – PCT206F	Location: Factory (Columbus, OH)*	Fee: \$1,700.00 (US)
PCT206R	Location: Regional (See Schedule)	Fee: \$1,700.00 (US)

DS-VS / iCOM with Networking

Length: Four Days (32 Hours)

Description: A full four-day session on DS, iCOM. Students will enjoy an active class that will incorporate the presentations plus hands-on training using factory built simulators, constructed with actual main control board, iCOM control, fuse board and temperature-humidity sensor. Topics covered are Operations, Programming, Installation Basics, Commissioning / Startup, Maintenance, Service and Troubleshooting. A basic presentation of the Xtreme Density products is included. This is a fully tested program – knowledge base and practical skills - passing is 80% or better. Homework assignments are part of the class curriculum. Emerson/Liebert is authorized by IACET to offer 2.8 CEUs for successful completion of this program. HVAC experience required to enhance the learning experience.

*Student attending factory classes will have the opportunity to program and diagnose operational Precision Cooling equipment at our new state-of-the-art training center.

Format: Lecture demonstrations, hands-on exercises, programming, troubleshooting and test (passing is 80% or better).

Learning Outcomes:

- Identify Large Environmental Products and their model numbers
- Install and start up DS – VS Environmental Products
- Navigate through iCOM controls
- Implement iCOM temperature-humidity programs
- Utilize iCOM programming menus, screens and icons
- Program, diagnose and troubleshoot large and small displays
- Perform basic unit-to-unit networking and multiple unit networking
- Perform multiple unit networking

Who Should Attend:

Class is for the experienced HVAC technician that will perform start-up and warranty repairs on the above Liebert equipment.

THIS CLASS QUALIFIES AS PART OF THE RENEWAL FOR THE FACTORY TRAINED TECHNICIAN (FTT) CLASSIFICATION IN THE PRECISION COOLING PARTNERSHIP PROGRAM.

Program Descriptions – Factory Only

Cooling Products 3 – PCT301F Location: Factory (Columbus, OH) Fee: \$495.00 (US)

XD – Xtreme Density Cooling Overview

Length: One Day (8 Hours)

Description: A one-day session on Liebert XD high heat density cooling products. Emphasis of this session is on the pumped refrigerant based products in Liebert XD – water-based products in XD are also presented. Topics covered are Data Center cooling, Liebert XD function, installation basics, operations, maintenance and service. A basic presentation of other Liebert cooling products is included. Emerson/Liebert is authorized by IACET to offer .7 CEUs for successful completion of this program.

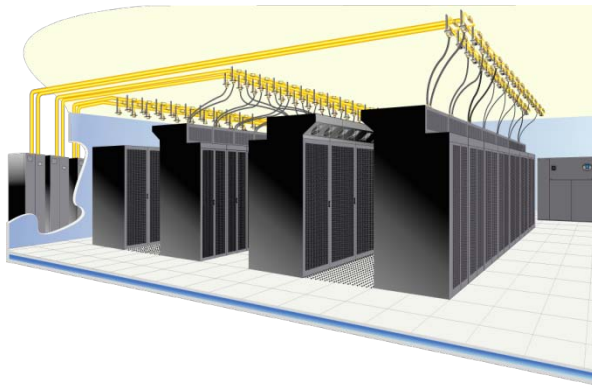
Format: Lecture, documentation-based exercises, demonstration of Liebert XD units, and test (passing is 80% or better).

Learning Outcomes:

- Understand the build up and function of Liebert XD
- Identify Liebert XD modules/units and system configurations
- Able to do basic maintenance and operations actions

Who Should Attend:

Personnel that want to increase their understanding of Liebert XD to be able to perform basic maintenance and operation actions of the system.



Program Descriptions – Factory and Regional

Cooling Products 3 – PCT310F	Location: Factory (Columbus, OH)*	Fee: \$1,300.00 (US)
PCT310R	Location: Regional (See Schedule)	Fee: \$1,300.00 (US)

XD - Xtreme Density Cooling Products

Length: Three Days (24 Hours)

Description: A full three-day session on Liebert XD high heat density cooling products. Emphasis of this session is on the pumped refrigerant-based products in Liebert XD – water-based products in XD are also presented. Students will enjoy an active class that will incorporate the presentations plus hands-on training using factory built simulators, constructed with actual main control board, iCOM control, fuse board and temperature-humidity sensor. Topics covered are Data Center cooling, Liebert XD function, installation basics, operations, programming, maintenance, service and troubleshooting. A basic presentation of other Liebert cooling products is included. Emerson/Liebert is authorized by IACET to offer 2.1 CEUs for successful completion of this program. HVAC experience required to enhance the learning experience.

*Student attending factory classes will have the opportunity to program and diagnose operational Precision Cooling equipment at our new state-of-the-art training center.

Format: Lecture, demonstrations, hands-on exercises, programming and troubleshooting, homework assignments and test (passing is 80% or better).

Learning Outcomes:

- Identify XD design, components and configurations
- Install system products and components
- Maintain XD products
- Wire systems
- Start up systems and components

Who Should Attend:

Class is for the experienced HVAC technician that will perform service and maintenance on the above Liebert equipment.

THIS CLASS QUALIFIES AS PART OF THE RENEWAL FOR THE FACTORY TRAINED TECHNICIAN (FTT) CLASSIFICATION IN THE PRECISION COOLING PARTNERSHIP PROGRAM.

Program Descriptions – Factory Only

Cooling Products 3 – PCT314F Location: Factory (Columbus, OH)* Fee: \$495.00 (US)

XDF – Rack with Integrated High Heat Density Cooling

Length: One Day (8 Hours)

Description: A one-day session on Liebert XDF rack with integrated high heat density cooling. Students will enjoy an active class that will incorporate the presentations plus hands-on training using factory built simulators, constructed with actual main control board, iCOM control, fuse board and temperature-humidity sensor. Topics covered are Data Center cooling, Liebert XD, Liebert XDF function, installation basics, operations, programming, maintenance, service and troubleshooting. A basic presentation of other Liebert cooling products is included. Emerson/Liebert is authorized by IACET to offer .7 CEUs for successful completion of this program. HVAC experience required to enhance the learning experience.

*Student attending factory classes will have the opportunity to program and diagnose operational Precision Cooling equipment at our new state-of-the-art training center.

Format: Lecture, demonstrations, hands-on exercises, programming, troubleshooting and test (passing is 80% or better).

Learning Outcomes:

- Understand the design and function of Liebert XDF
- Identify Liebert XDF components
- Be able to install, maintain and troubleshoot XDF

Who Should Attend:

Technical personnel that will install, maintain or troubleshoot Liebert XDF.



Program Descriptions – Factory Only

Cooling Products 3 – PCT315F Location: Factory (Columbus, OH)* Fee: \$495.00 (US)

XDK-W – Rack with Integrated High Heat Density Water-Based Cooling

Length: One Day (8 Hours)

Description: A one-day session on Liebert XDK-W rack with integrated water-based cooling. Topics covered are Data Center cooling, Liebert XD, Liebert XDK-W function, installation basics, operations, maintenance, service and troubleshooting. A basic presentation of other Liebert cooling products is included. Emerson/Liebert is authorized by IACET to offer .7 CEUs for successful completion of this program. Emerson/Liebert is authorized by IACET to offer 2.1 CEUs for successful completion of this program. HVAC experience required to enhance the learning experience.

*Student attending factory classes will have the opportunity to program and diagnose operational Precision Cooling equipment at our new state-of-the-art training center.

Format: Lecture, demonstrations, hands-on exercises, troubleshooting and test (passing is 80%).

Learning Outcomes:

- Understand the design and function of Liebert XDK-W
- Identify Liebert XDK-W components
- Be able to install, maintain and troubleshoot XDK-W

Who Should Attend:

Technical personnel that will install, maintain or troubleshoot Liebert XDK-W.



Program Descriptions – Factory Only

Cooling Products 4 – PCT401F	Location: Factory (Columbus, OH)	Fee: \$3,950.00 (US)*
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iCOM and iST-PC Programming

Length: Three Days (24 Hours)

Description: A full three-day session on iCOM software updates, unit-to-unit networking and Intellislot-based monitoring products. ***NOTE:** The registration fee includes a laptop computer, iCOM simulator and software, with User license and support loaded on PC. Student will use the laptop and simulator to network iCOM control and utilize service tool to update software. Homework assignments are part of the class curriculum. Emerson/Liebert is authorized by IACET to offer 2.1 CEUs for successful completion of this program. Please note that previous iCOM specific knowledge is a definite requirement to take this class.

PREREQUISITE FOR THIS CLASS IS THE PCT206 CLASS.

Format: Lecture, demonstrations, hands-on exercises, programming, troubleshooting and test (passing is 80% or better).

Learning Outcomes:

- Utilize Service Tool (iST) to update software on iCOM control, as well as successfully network and team iCOM controlled DS units
- Learn to troubleshoot iCOM unit-to-unit networks and the various methods available
- Learn how to set up and troubleshoot Intellislot-based monitoring cards

Who Should Attend:

iCOM trained service personnel who anticipate a growing involvement with Liebert iCOM controlled cooling products.

THIS CLASS MUST BE TAKEN PRIOR TO INSTALLING SOFTWARE.

Program Descriptions – Factory Only

Cooling Products 5 – PCT501F Location: Factory (Columbus, OH) Fee: \$495.00 (US)
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Monitoring and Leak Detection Panels

Length: One Day (8 Hours)

Description: A full one-day session on Liebert Monitoring Products. Students will enjoy an active class that will incorporate the presentations plus hands-on training using factory built simulators, constructed with actual main control board, iCOM control, fuse board and temperature-humidity sensor. Covered products are OC-DO Board, AC4 and AC8 Auto-Changeover Panels, Universal Monitor and Water Detection Monitoring Panel. Topics covered are Installation, Programming and Troubleshooting. Emerson/Liebert is authorized by IACET to offer .7 CEUs for successful completion of this program. HVAC experience required to enhance the learning experience.

Format: Lecture, demonstrations, hands-on exercises, programming, troubleshooting and test (passing is 80% or better).

Learning Outcomes:

- Install and program Universal Monitor, AC4, and AC8
- Install and operate Liebert NIC-Card and ENV-DO Card for remote communications

Who Should Attend:

Personnel that want to increase their understanding of Monitoring and Leak Detection Panels.

Program Descriptions – Factory Only

Cooling Products 6 – PCT601F Location: Factory (Columbus, OH)* Fee: \$495.00 (US)

CRV – Row-Based Precision Cooling Product

Length: One Day (8 Hours)

Description: A one-day session on Liebert CRV row-based Precision Cooling air conditioning product. Students will enjoy an active class that will incorporate the presentations plus hands-on training using factory built simulators, constructed with actual main control board, iCOM control, fuse board and temperature-humidity sensor. Topics covered are Data Center cooling, Liebert CRV function, installation basics, operations, programming, maintenance, service and troubleshooting. A basic presentation of other Liebert cooling products is included. Emerson/Liebert is authorized by IACET to offer .7 CEUs for successful completion of this program. HVAC experience required to enhance the learning experience.

PREREQUISITE FOR THIS CLASS IS THE PCT206 CLASS.

*Student attending factory classes will have the opportunity to program and diagnose operational Precision Cooling equipment at our new state-of-the-art training center.

PREREQUISITE FOR THIS CLASS IS THE PCT206 CLASS.

Format: Lecture, demonstrations, hands-on exercises, programming, troubleshooting and test (passing is 80% or better).

Learning Outcomes:

- Understand the design and function of Liebert CRV
- Identify Liebert CRV components
- Be able to install, maintain and troubleshoot CRV

Who Should Attend:

Technical personnel that will install, maintain or troubleshoot Liebert CRV.



PLEASE NOTE:

The classes listed on the previous pages can be brought to your site and customized to your specific needs. If you wish to receive further information on this, please contact Ruthanne Redman at 614-841-6120 / ruthanne.redman@emerson.com or Steve Wagner at 614-841-6118 / steve.r.wagner@emerson.com.

Schedules in all Factory and Regional classes are subject to change. We will inform the registered students of any changes. Please register early since classes do fill up quickly. Email or call with any questions.

For Registration, Dates and Information

Please contact Ruthanne Redman at Tel: 614-841-6120; Fax: 614-841-6133
or Email ruthanne.redman@emerson.com

or

Contact Steve Wagner at 614-841-6118 or Email steve.r.wagner@emerson.com



As an IACET Authorized Provider, Emerson Network Power/Liebert Corporation offers CEUs for programs that qualify under IACET guidelines.

Factory Trained Technician Renewal Procedure

PCT105 and PCT206 Classes

Technicians now have multiple options on how they want to retain their Factory Trained Technician (FTT) classification. The current requirement for technicians to be considered FTT is to update their training every three (3) years. To qualify for re-classification, the technician must have taken a PCT105 or PCT206 class within the last three (3) years. If the technician has not taken the PCT105 or PCT206 class in the past three (3) years, they will have to take the class in its entirety.

OPTIONS:

PCT105

- Take the normal four (4) day PCT105 class.
- Take the two (2) day PCT103, the one (1) day PCT101.
- Take a four (4) hour PCT106 review and pass the proficiency test.
- Take PCT107 (proficiency test only).

PCT206

- Take the normal PCT206 four (4) day class.
- Take the two (2) day PCT203, the one (1) day PCT205 and pass the proficiency test.

If you wish to attend this training/testing at the factory (Columbus, Ohio), please contact Ruthanne Redman at 614-841-6120 or by email at ruthanne.redman@emerson.com.

This can also be provided at your site for a group of your technicians. If interested, please contact Ruthanne Redman at 614-841-6120 or by email at ruthanne.redman@emerson.com.

Factory Schedule (Columbus, OH)

2010	PCT101F	PCT102F	PCT103F	PCT105F*	PCT201F	PCT203F	PCT205	PCT206F*
January	–	–	–	4 – 7	–	–	–	11 – 14
February	–	–	–	1 – 4	–	9 – 10	11	8 – 11
March	4	12	2 – 3	1 – 4	8	–	–	8 – 11
April	–	–	–	5 – 8	–	–	–	12 – 15
May	–	–	–	3 – 6	–	11 – 12	13	10 – 13
June*	2	18	3 – 4	7 – 10	14	–	–	7 – 10
July*	–	–	–	12 – 15	–	–	–	19 – 22
August*	–	–	–	2 – 5	–	10 – 11	12	9 – 12
September	8	17	9 – 10	20 – 23	13	–	–	20 – 23
October	–	–	–	4 – 7	–	–	–	18 – 21
November	–	–	–	1 – 4	–	9 – 10	11	15 – 18
December	3	17	1 – 2	6 – 9	13	–	–	13 – 16

2010	PCT301F	PCT310F	PCT314F	PCT315F	PCT401F	PCT501F	PCT601F
January	–	20 – 22	–	–	25 – 27	8	–
February	22	17 – 19	23	24	–	–	25
March	–	15 – 17	–	–	–	–	–
April	–	19 – 21	–	–	26 – 28	9	–
May	17	17 – 19	18	19	–	–	20
June	–	14 – 16	–	–	–	–	–
July	–	7 – 9	–	–	26 – 28	16	–
August	16	16 – 18	17	18	–	–	–
September	–	8 – 10	–	–	–	–	–
October	–	13 – 15	–	–	25 – 27	8	–
November	15	8 – 10	16	17	–	–	18
December	–	20 – 22	–	–	–	–	–

***PCT105F and PCT206F are normally \$1,800.00 per student. In June, July and August, the fee will be discounted to \$1,600.00 per student, per class.**

Regional Schedule

2010	PCT105R	PCT206R	PCT310R	Location
January	5 – 8	11 – 14	–	Richmond, VA
February	2 – 5	8 – 11	–	Las Vegas, NV
	–	–	1 – 3	Richmond, VA
	–	16 – 19	22 – 24	Irvine, CA
March	2 – 5	8 – 11	–	Orlando, FL
	–	–	15 – 17	Las Vegas, NV
	–	15 – 18	22 – 24	Austin, TX
April	6 – 9	12 – 15	–	Ashburn, VA
	–	–	5 – 7	Orlando, FL
May	4 – 7	10 – 13	–	Plainview, NY
	–	–	3 – 5	Ashburn, VA
	11 – 14	17 – 20	–	Denver, CO
June	8 – 11	14 – 17	–	Salt Lake City, UT
	–	–	7 – 9	Plainview, NY
	–	–	14 – 16	Denver, CO
July	13 – 16	19 – 22	–	Chicago, IL
			19 – 21	Salt Lake City, UT
August	–	9 – 12	16 – 18	Toronto, CAN
	–	–	16 – 18	Chicago, IL
September	14 – 17	20 – 23	–	Boston, MA
	14 – 17	20 – 23	–	Des Moines, IA
October	12 – 15	18 – 21	–	Plainview, NY
	12 – 15	18 – 21	–	Orlando, FL
November	2 – 5	16 – 19	–	Richmond, VA
	–	–	1 – 3	Boston, MA
	–	–	15 – 17	Orlando, FL
	–	–	29 – Dec. 1	Plainview, NY
December	–	7 – 10	13 – 15	Ashburn, VA
	–	–	6 – 8	Des Moines, IA
	–	–	6 – 8	Richmond, VA

Registration Form
Factory or Regional Programs

Student Information:

Name: _____

Company: _____

Address: _____

City/State/Zip or Postal Code: _____ / _____ / _____

Email address: _____

Contact Information:

Name: _____

Phone/Fax: _____ / _____

Email address: _____

Class Information:

Factory Class Date: _____ Class Code: _____

Regional Class Date: _____ Location: _____

Billing Address and Method of Payment:

(A \$500.00 deposit is required for registration. Balance due on or before the class date.)

Check (Number): _____

Purchase Order*: _____

Credit Card No.: _____ Exp. Date: _____

Cardholder Name: _____

Company: _____

Attention: _____

Address: _____

City/State/Zip: _____ / _____ / _____

Federal Tax ID#: _____

*If you would like to use a Purchase Order number, please include a Federal Tax ID number.

A confirmation letter will be provided upon receipt of this form. Please contact Ruthanne Redman with questions (Tel: 614-841-6120 / Fax: 614-841-6133 / Email ruthanne.redman@emerson.com)

We allow cancellation up to five working days prior to the start of class without penalty. If less than five working days, a penalty of 20% of the class registration fee will be charged per student. Since many of our courses have a waiting list, we charge the full course fee when someone fails to attend without informing us or cancels once the class has started. Communication of cancellation should be sent by email to ruthanne.redman@emerson.com or by fax at (614) 841-6133.