

Training Schedule

Dear Customers,

Welcome to the Preferred Training Center!

If you are looking to optimize plant operation or expand your control and fuel handling systems knowledge, Preferred's year-round Combustion and Fuel Handling courses are specifically designed to meet your needs.

Below, please find our Training Schedule and Registration Form. Choose from the list of training courses listed on the following page.

These training courses provide an excellent opportunity to not only become familiar with Preferred's products and help ensure efficient field installation and commissioning, but also expand your knowledge of today's challenging control and fuel handling system technologies, strategies, and applications. These courses include "hands-on" training exercises that provide a complete comprehension of covered material.

Confirm your space by returning the attached registration form. All training classes are offered at a very low cost of \$175.00 per student enrolled. Space is limited and the class will be filled on a "first come-first serve" basis. We look forward to seeing you at our Preferred Training Center!

Best Regards,
Ruth O'Donnell
Marketing Manager



Training Schedule At-A-Glance

Year	Month	Title
2018	February	AP-05: BurnerMate Universal, how to configure, install and commission
	March	AP-02: PWC Chief Dispatchers and Feedwater Control Centers
	April	AP-01: PCC-III and DCS-III Controls: operation, programming and troubleshooting
	May	Combustion 101: Learn basic combustion technology and engineering, principles of obtaining low NOx emissions and basic burner design concepts. Unfortunately, this class is not offered to the general public. Please see page 6 for additional information.
	June	BI-02: Boiler Instruments Commissioning: JC-10D Indicator, JC-15D Flue Gas Temperature Monitor, JC-22D Draft Controller, E-Link Damper Assembly, and the JC-30D Opacity Monitor.
	July	FO-01: Fuel Oil Handling Systems – design, installation and commissioning fuel oil systems for both day tank and boiler systems
	August	AP-07: FlexFit Control Systems, Programming, Installation and Commissioning
	September	AP-05: BurnerMate Universal, how to configure, install and commission
	October	AP-06: PCC-IV and DCS-IV Controls: operation, programming and troubleshooting
	No Classes	January, November, and December

Consult your Regional Sales Manager for other training opportunities.

FS-01: Preferred Instruments Flame Safeguard Controls

Description: This class starts with an in depth look at the Flame Safeguard codes and requirements in today's industrial burner market. Included will be an overview of flames scanners and their operation. Attendees of this class will also be introduced to the Preferred Instrument's product line of Flame Safeguard Controllers, scanners, annunciators and remote displays.

DURATION: 1 Day
CAPACITY: 8 Students
PRE-REQUISITES: None
THINGS TO BRING: None

Date	Location	Registration Due Date
Not Scheduled	Danbury Training Center	

AP-02: PWC Chief Dispatchers and Feedwater Control Operation, Programming and Trouble Shooting Centers

Description: This class covers the features, functions, wiring and programming of the PWC (Plant Wide Controller) by providing lectures, discussions and "hands-on" training exercises. The class includes hardware and software functional overview, front panel edit menu operation, PWC Edit®, installation & wiring. The class includes introductions to "Blockware" and Display, Chart and Menu modification techniques, and advanced boiler sequencing configuration. Example applications will also be reviewed.

DURATION: 1 Day
CAPACITY: 10 Students
PRE-REQUISITES: Having read the PWC Instruction Manual
THINGS TO BRING: Laptop Computer

Date	Location	Registration Due Date
March 26 th & 27 th	Danbury Training Center	March 20 th

AP-04: BurnerMate TS Control Systems – Installation and Commissioning

Description: This class covers the installation and commissioning of a Fully Metered Combustion Control System with a Variable Speed Drive (VSD) controlled FD Fan and Oxygen Trim. The class includes review of the application, equipment installation and programming through the touch screen. The successful student will be able to supervise the installation and independently commission a BurnerMate TS Boiler Control System.

DURATION: 1.5 Days
CAPACITY: 6 Students
PRE-REQUISITES: PCC-III Field Experience or have taken the AP-01 class
THINGS TO BRING: Laptop Computer & PCC-III Demo if available

Date	Location	Registration Due Date
Not Scheduled	Danbury Training Center	

AP-05: BurnerMate Universal Control Systems Programming, Installation and Commissioning

Description: This class covers the installation and commissioning of a Fully Metered Combustion Control System with a Variable Speed Drive (VSD) controlled FD Fan and Oxygen Trim. The class includes review of the application, equipment installation and programming through the touch screen. The successful student will be able to supervise the installation and independently commission a BurnerMate Universal Control System.

DURATION: 1.5 Days
CAPACITY: 8 Students
PRE-REQUISITES: Review of the BMU Manual
THINGS TO BRING: Laptop Computer

Date	Location	Registration Due Date
Feb. 26 th & 27 th	Danbury Training Center	Feb. 20 th
Sept. 24 th & 25 th	Danbury Training Center	Sept. 16 th

BI-02: Boiler Instruments Commissioning

Description: This class provides basic product training for the Draft Controller (JC-22D), Flue Gas Opacity Monitor (JC-30D), Flue Gas Temperature Monitor (JC-15D) and PCC-III Based Oxygen Trim with Link Trim Actuator (LTA). Class material includes boiler operation principles that are relevant to instrument installation and operation. "Hands-on" training exercises will cover installation, wiring and commissioning requirements. Miscellaneous field equipment, such as "Smart" and analog transmitters and electric and pneumatic actuators, calibration and wiring will also be discussed.

DURATION: 1.5 Days
CAPACITY: 8 Students
PRE-REQUISITES: None
THINGS TO BRING: None

Date	Location	Registration Due Date
June 25 th & 26 th	Danbury Training Center	June 19 th

FO-01: Fuel Oil Handling Systems – Design, Installation and Start-up

Description: The class provides training for Preferred Utilities pump sets, D3 and D5 Tank Gauges and fuel oil system components. Basic design considerations and "Rules of Thumb" for fuel oil systems are discussed to provide the knowledge base required for successful system troubleshooting. "Hands-On" training exercises will cover installation, wiring, PWC operation and programming and other commissioning requirements. The student will learn to calculate system suction and supply pressures and to properly size the required piping. This year we have added an advanced maintenance and troubleshooting to this class.

DURATION: 1.5 Days
CAPACITY: 10 Students
PRE-REQUISITES: None
THINGS TO BRING: None

Date	Location	Registration Due Date
July 30 th & 31 th	Danbury Training Center	July 17 th

AP-01: PCC-III & DCS-III Controls – Operation, Programming and Trouble Shooting

Description: This class covers the features and functions of the PCC III Multiple Loop Controller by providing lectures, discussions and “hands-on” training exercises. The class includes hardware and software functional overview, front face editor menu operations, PC3 Edit®, and troubleshooting. The class includes introduction to “Blockware” modification and configuration techniques. The class uses the Boiler Submaster and Draft Control Configurations as bases for discussion. Configuration such as fully metered combustion control will also be discussed. Electric actuator setup and trouble shooting is included in the training exercises.

- DURATION:** 1.5 Days
CAPACITY: 10 Students
PRE-REQUISITES: Read the PCC-III instructional Manual
THINGS TO BRING: Laptop Computer

Date	Location	Registration Due Date
April 23 th & 24 th	Danbury Training Center	April 17 th

New Classes

AP-06: PCC-IV & DCS-IV Controls – Operation, Programming and Trouble Shooting

Description: This class covers the features and functions of the new PCC IV Multiple Loop Controller by providing lectures, discussions and “hands-on” training exercises. The class includes hardware and software functional overview, front face editor menu operations, PC4 Edit®, and troubleshooting. The class includes introduction to “Blockware” modification and configuration techniques. The class uses the Boiler Submaster and Draft Control Configurations as bases for discussion. Configuration such as fully metered combustion control will also be discussed. Also included is a review of the easy steps to convert the PCC-III configuration to that of a PCC-IV to facilitate controls upgrades.

DURATION: 1.5 Days
CAPACITY: 10 Students
PRE-REQUISITES: Read the PCC-IV Instructional Manual
THINGS TO BRING: Laptop Computer

Date	Location	Registration Due Date
October 29 th & 30 th	Danbury Training Center	October 16 th

AP-07: FlexFit Control Systems, Programming, Installation and Commissioning

Description: This class covers the installation and commissioning of a Linkageless Combustion Control System with a Variable Speed Drive (VSD) controlled FD Fan and Oxygen Trim. The class includes review of the application, equipment installation and programming through the touch screen. The successful student will be able to supervise the installation and independently commission a Flex-fit Control System.

DURATION: 1.5 Days
CAPACITY: 10 Students
PRE-REQUISITES: Read the FlexFit Instructional Manual
THINGS TO BRING: Laptop Computer

Date	Location	Registration Due Date
August 27 th & 28 th	Danbury Training Center	August 16 th

Combustion 101

Description: Due to the its contents of the material presented in this class it is not available to everyone. Please contact Doug Schmid at Preferred Utilities Manufacturing Corporation to see if you are qualified to attend. Learn basic combustion technology and the engineering and principles related to obtaining low NOx emissions and basic low NOX burner design concepts.

DURATION: 1 Day
CAPACITY: 10 Students
PRE-REQUISITES: None
THINGS TO BRING: None

Date	Location	Registration Due Date
May 28 th & 29 th	Danbury Training Center	May 22 th

CONTACT:

Doug Schmid
dschmid@preferred-mfg.com

Phone:

(203) 743-6741 ext. 1701
To Register

Internet:

www.preferred-mfg.com
To get the latest schedule.

Fax:

(203) 798-7313
Fax this form to register

Mail to:

Preferred Training Center
31-35 South Street
Danbury, CT 06810

*Payment of \$175 per person
must be received before at-
tending any class

CLASS INFORMATION:

Class Title: _____
Timing: 8:00 am to 4:00 pm

PERSONAL INFORMATION:

Name _____ Title: _____
Company _____
Address _____
Phone (____) _____ Fax (____) _____
Email: _____

ADDITIONAL ENROLLEES:

Name _____ Title: _____
Email: _____
Name _____ Title: _____
Email: _____
Name _____ Title: _____
Email: _____