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CFC-Solar 2012 In-House Course Schedule

All of these courses can be held at your facility.
 Call for pricing on Customized courses to your machine specific equipment.

Hydraulic Courses	Length	Dates	Cost		
Introduction to Industrial Fluid Power – Concepts and Components	2 days	Feb. 13 – 14, 2012	\$695.00	Register	View Outline
		Apr. 12 – 13, 2012			
		July 16 - 17, 2012			
		Oct. 18 – 19, 2012			
Level 1 Industrial Hydraulics – In Depth Fundamentals	3 days	Feb. 6 – 8, 2012	\$995.00	Register	View Outline
		May 14 – 16, 2012			
		Aug. 13 – 15, 2012			
		Nov. 26 – 28, 2012			
	5 days	Feb. 6 – 10, 2012	\$1,495.00	Register	View Outline
		May 14 – 18, 2012			
		Aug. 13 – 17, 2012			
		Nov. 26 – 30, 2012			
Level 2 Industrial Hydraulics – Advanced Maintenance and Repair	3 days	Mar. 5 – 7, 2012	\$995.00	Register	View Outline
		Sept. 10 – 12, 2012			
	5 days	Mar. 5 – 9, 2012	\$1,495.00	Register	View Outline
		Sept. 10 – 14, 2012			
Level 3 Industrial Hydraulics – Intro to Design and Sizing	5 days	Call for dates	\$1,495.00	Register	View Outline
Introduction to Mobile Fluid – Power Concepts and Components	2 days	Apr. 9 – 10, 2012	\$695.00	Register	View Outline
		July 11 – 12, 2012			
		Oct. 15 – 16, 2012			

Hydraulic Courses	Length	Dates	Cost		
Level 1 Mobile Hydraulics - In-Depth Fundamentals	3 days	Apr. 23 – 25, 2012	\$995.00	Register	View Outline
		July 23 – 25, 2012			
		Nov. 5 – 7, 2012			
	5 days	Apr. 23 – 27, 2012	\$1,495.00	Register	View Outline
		July 23 – 27, 2012			
		Nov. 5 – 9, 2012			
Level 2 Mobile Hydraulics – Advanced Maintenance & Repair	3 days	Feb. 20 – 22, 2012	\$995.00	Register	View Outline
		Aug. 27 – 29, 2012			
	5 days	Feb. 20 – 24, 2012	\$1,495.00	Register	View Outline
		Aug. 27 – 31, 2012			
Level 3 Mobile Hydraulics – Intro to Design and Sizing	3 days	Call for dates	\$995.00	Register	View Outline
	5 days	Call for dates	\$1,495.00	Register	View Outline
Hydraulic Conductors - Fittings, Tube, Pipe, Hose and Leak Prevention	3 days	Mar 14 – 16, 2012	\$995.00	Register	View Outline
		June 11 – 13, 2012			
		Sept. 19 – 21, 2012			
		Dec. 17 – 19, 2012			
Troubleshooting Using Industrial Hydraulic Schematics	3 days	Feb 15 – 17, 2012	\$995.00	Register	View Outline
		June 4 – 6, 2012			
		Aug. 22 – 24, 2012			
		Dec. 26 – 28, 2012			
Troubleshooting Mobile Equipment Using Hydraulic Schematics	3 days	Mar 26 – 28, 2012	\$995.00	Register	View Outline
		June 27 – 29, 2012			
		Oct. 1 – 3, 2012			
		Jan. 2 – 4, 2013			
Troubleshooting Mobile Hyd. Systems	2 days	Mar 29 – 30, 2012	\$695.00	Register	View Outline
		June 25 – 26, 2012			
		Oct. 4 – 5, 2012			
Hydraulic Pump Analysis	2 days	Mar 12 – 13, 2012	\$695.00	Register	View Outline
		June 14 – 15, 2012			
		Sept. 17 – 18, 2012			
		Jan. 2 – 3, 2013			

Hydraulic Courses	Length	Dates	Cost		
Cartridge Slip-in and Screw-in Logic Valve Technology	3 days	Apr 2 – 4, 2012	\$995.00	Register	View Outline
		July 18 – 20, 2012			
		Oct. 8 – 10, 2012			
Electro-Hydraulics - Proportional and Servo Valves	3 days	Feb 1 – 3, 2012	\$995.00	Register	View Outline
		Aug. 8 – 10, 2012			
Hydrostatic Closed Loop Systems	2 days	Mar 1 – 2, 2012	\$695.00	Register	View Outline
		June 18 – 19, 2012			
Hydrostatic Closed Loop Systems for Engineers	3 days	May 21 – 23, 2012	\$995.00	Register	View Outline
		Nov. 19 – 21, 2012			
Maintenance - Hydraulic Safety	1 day	Feb 9, 2012	\$395.00	Register	View Outline
		May 11, 2012			
		Aug. 16, 2012			
		Nov. 16, 2012			

Plastics Courses	Length	Dates	Cost		
Predictive and Preventative Maintenance	3 days	Feb 1 – 3, 2012	\$995.00	Register	View Outline
		May 30 – June 1, 2012			
		Aug. 8 – 10, 2012			
		Nov. 19 – 21, 2012			

Pneumatic Courses	Length	Dates	Cost		
Introduction to Pneumatics – Concepts and Components	2 days	Apr 23 – 24, 2012	\$695.00	Register	View Outline
		July 9 – 10, 2012			
		Oct. 22 – 23, 2012			
Level 1 Pneumatics – In Depth Fundamentals	3 days	Feb 13 – 15, 2012	\$995.00	Register	View Outline
		May 21 – 23, 2012			
		Aug. 20 – 22, 2012			
		Dec. 3 – 5, 2012			
Level 1 Pneumatics – In Depth Fundamentals	5 days	Feb 13 – 17, 2012	\$1,495.00	Register	View Outline
		May 21 – 25, 2012			
		Aug. 20 – 24, 2012			
		Dec. 3 – 7, 2012			

Pneumatic Courses	Length	Dates	Cost		
Level 2 Pneumatics – Advanced Maintenance and Repair	3 days	Apr 9 - 11, 2012	\$995.00	Register	View Outline
		June 11 – 13, 2012			
		Dec. 17 – 19, 2012			
	5 days	Apr 9 - 13, 2012	\$1,495.00	Register	View Outline
		June 11 – 15, 2012			
		Dec. 17 – 21, 2012			
Level 3 Pneumatics – Design and Sizing	3 days	Call for dates	\$995.00	Register	View Outline
	5 days	Call for dates	\$1,495.00	Register	View Outline
Pneumatic Troubleshooting Using Schematics	2 days	May 3 – 4, 2012	\$695.00	Register	View Outline
		Aug. 6 – 7, 2012			
		Nov. 12 – 13, 2012			
Air Logic Pneumatics	2 or 3 days	Call for dates	Call for price	Register	View Outline
Electro Pneumatics	2 or 3 days	Call for dates	Call for price	Register	View Outline

Mechanical Courses	Length	Dates	Cost		
Introduction to Lubrication	2 days	Feb 13 – 14, 2012	\$695.00	Register	View Outline
		May 7 – 8, 2012			
		Aug. 20 – 21, 2012			
		Nov. 14 – 15, 2012			
Principles of Machining	2 days	Mar 22 – 23, 2012	\$695.00	Register	View Outline
		June 7 – 8, 2012			
		Sept. 27 – 28, 2012			
		Dec. 13 – 14, 2012			
		Dec. 26 – 27, 2012			

Electrical Courses	Length	Dates	Cost		
AC and DC Electrical Fundamentals and Safety	3 days	Feb 27 – 29, 2012	\$995.00	Register	View Outline
		Sept. 5 – 7, 2012			

Electrical Courses	Length	Dates	Cost		
AC Power and NEC Codes	3 days	Mar 26 – 28, 2012	\$995.00	Register	View Outline
		June 20 – 22, 2012			
		Oct. 1 – 3, 2012			
AC Motor Controls and Relay Ladder Logic	5 days	Feb 20 – 24, 2012	\$1,495.00	Register	View Outline
		Aug. 27 – 31, 2012			
Basic Electrical Systems Based on 2008 National Electric Code	5 days	Call for dates	\$1,495.00	Register	View Outline
Variable Frequency Drives	3 days	Mar 7 – 9, 2012	\$995.00	Register	View Outline
		June 25 – 27, 2012			
		Sept. 12 – 14, 2012			
Fundamentals of DC Electronics, Sensors and Instrumentation	3 days	Feb 6 – 8, 2012	\$995.00	Register	View Outline
		Aug. 13 – 15, 2012			
Troubleshooting Electrical Systems	5 days	May 7 – 11, 2012	\$1,495.00	Register	View Outline
		July 23 – 27, 2012			
		Nov. 12 – 16, 2012			
Electrical Maintenance, Schematics & Troubleshooting including Motor and Motor Control Circuits	5 days	Apr 16 – 20, 2012	\$1,495.00	Register	View Outline
		July 30 – Aug. 3, 2012			
		Nov. 5 – 9, 2012			
Introduction to Mobile Electric – Using a Multimeter	1 day	Mar 5, 2012	\$395.00	Register	View Outline
		June 28, 2012			
		Sept. 10, 2012			
		Dec. 20, 2012			
Level 1 Mobile Electric	3 days	Apr 9 – 11, 2012	\$995.00	Register	View Outline
		Oct. 15 – 17, 2012			
	5 days	Apr 9 – 13, 2012	\$1,495.00	Register	View Outline
		Oct. 15 – 19, 2012			
Level 2 Mobile Electric	3 days	May 14 – 16, 2012	\$995.00	Register	View Outline
		Nov. 26 – 28, 2012			
	5 days	May 14 – 18, 2012	\$1,495.00		
		Nov. 26 – 30, 2012			

Electrical Courses	Length	Dates	Cost		
Electrical Controls Including Safety and Test Equipment	3 days	July 16 – 18, 2012	\$995.00	Register	View Outline
		Dec. 3 – 5, 2012			
	5 days	July 16 – 20, 2012	\$1,495.00		
		Dec. 3 – 7, 2012			
Electric Motor Drives	3 days	Mar 19 – 21, 2012	\$995.00	Register	View Outline
		June 4 – 6, 2012			
		Sept. 24 – 26, 2012			
		Dec. 10 – 12, 2012			
Power Distribution	5 days	Mar 19 – 23, 2012	\$1,495.00	Register	View Outline
		June 18 – 22, 2012			
		Sept. 24 – 28, 2012			
		Dec. 10 – 14, 2012			

PLC Courses	Length	Dates	Cost		
Level 1 PLC Fundamentals	3 days	Apr 25 – 27, 2012	\$995.00	Register	View Outline
		July 11 – 13, 2012			
		Oct. 22 – 24, 2012			
Level 2 PLC Basic Programming	5 days	Call for dates	\$1,495.00	Register	View Outline
Level 3 PLC Program Design	5 days	Call for dates	\$1,495.00	Register	View Outline

Boiler System Courses	Length	Dates	Cost		
Boiler & Steam System Fundamentals	1 day	Call for dates	Call for price	Register	View Outline
Steam Boiler Operation, Maintenance and Troubleshooting	2 days	Call for dates	Call for price	Register	View Outline
Steam Distribution & Condensate Return Systems	1 day	Call for dates	Call for price	Register	View Outline

Other Courses	Length	Dates	Cost		
Rigging & Loading Fundamentals	1 day	Jan 30, 2012	\$395.00	Register	View Outline
		Apr 11, 2012			
		Aug. 6, 2012			
		Oct. 17, 2012			
Welding	1 day	Jan 31, 2012	\$395.00	Register	View Outline
		Apr 5, 2012			
		Aug. 7, 2012			
		Oct. 11, 2012			

International Fluid Power Society Certification	Length	Dates	Cost		
Conductor and Connector Review	3 days	Feb 27 – 29, 2012 Testing at 1pm on 2nd day Written at 8 am on 3 rd day	\$695.00 Plus 2 test fees	Register	View Outline
		Sept. 5 - 7, 2012 Testing at 1pm on 2nd day Written at 8 am on 3 rd day			
Job Performance Review (Hands-on Only)	2 days	July 30 - 31, 2012 Testing at 1pm on 2nd day	\$595.00 Plus 1 test fee	Register	
		Oct. 4 – 5, 2012 Testing at 1pm on 2nd day			
Industrial Hydraulic Mechanic Review	3 days	Feb 29 – Mar 2, 2012 JP Testing at 8 am and Written at 1 pm on 3 rd day	\$695.00 Plus test fees	Register	View Outline
		Sept 18 - 20, 2012 JP Testing at 8 am and Written at 1 pm on 3 rd day			
Mobile Hydraulic Mechanic Review	3 days	April 30 – May 2, 2012 JP Testing at 8 am and Written at 1 pm on 3 rd day	\$695.00 Plus test fees	Register	View Outline
		Aug. 1- 3, 2012 JP Testing at 8 am and Written at 1 pm on 3 rd day			
Pneumatic Mechanic Review	3 days	Call for dates	\$695.00 Plus test fees	Register	View Outline
Industrial Hydraulic Technician Review	3 days	Call for dates Testing at 1pm on 3 rd day	\$695.00 Plus test fees	Register	View Outline
Mobile Hydraulic Technician Review	3 days	Call for dates Testing at 1pm on 3 rd day	\$695.00 Plus test fees	Register	View Outline

Pneumatic Technician Review	3 days	Call for dates	\$695.00 Plus test fees	Register	View Outline
Electronic Controls Specialist Review	4 days	Apr 23 – 26, 2012 Testing at 1 pm on 4 th day	\$1,495.00 Plus test fees	Register	View Outline
		Oct. 8 – 11, 2012 Testing at 1 pm on 4 th day			
Hydraulic Specialist Review	3 days	Feb. 13 – 15, 2012 Testing at 1pm on 3 rd day	\$795.00 Plus test fees	Register	View Outline
		Aug. 21 - 23, 2012 Testing at 1pm on 3 rd day			
Pneumatic Specialist Review	3 days	Call for dates Testing at 1pm on 3 rd day	\$795.00 Plus test fees	Register	View Outline
Accredited Instructor Workshop	3 days	Aug. 6 – 8, 2012	Contact IFPS For cost		
ALL NEW in 2012 ONLINE IFPS Job Performance Review HOSTED BY: CFC-Solar	JP Station 1 1 – 3 pm	March 5, 2012	COST 2 hr class \$ 150 If taking all 6 Stations \$ 595 Plus JP Hands-on Practice Kit Rental		
		July 16, 2012			
		Dec. 3, 2012			
	JP Station 2 1 – 3 pm	March 6, 2012			
		July 17, 2012			
		Dec. 4, 2012			
	JP Station 3 1 – 3 pm	March 7, 2012			
		July 18, 2012			
		Dec. 5, 2012			
	JP Station 4 1 – 3 pm	March 8, 2012			
		July 19, 2012			
		Dec. 6, 2012			
JP Station 5 1 – 2 pm JP Station 6 3 – 4 pm	March 9, 2012				
	July 20, 2012				
	Dec. 7, 2012				
Job Performance Testing	March 12, 2012 9 am	Plus test fees			
	July 23, 2012 9 am				
	Dec. 10, 2012 9 am				
ALL NEW LIVE ONLINE – Evenings Hydraulic Specialist Review HOSTED BY: CFC-Solar	6 nights	Monday and Wednesday March 12,14,19,21,26,28, 2012	\$895/IFPS Member	Register	
		Tuesday and Thursday October 9,11,16,18,23,25 2012	\$995/IFPS Non Member		
ALL NEW LIVE ONLINE – Evenings Pneumatic Specialist Review HOSTED BY: CFC-Solar	6 nights	Tuesday and Thursday March 13,15,20,22,27,29, 2012	\$895/IFPS Member	Register	
		Monday and Wednesday October 8,10,15,17,22,24, 2012	\$995/IFPS Non Member		

Any of the above Certification classes can be taught online with a minimum of 10 students.
Class times are Eastern Standard Time