



CfPA
The Center for Professional Advancement
Accredited Technical Training Worldwide

2008 Complete Listing of Technical Short Courses



The Essential Piece to all Your Training Needs

350 Short Courses in 18 Applied Industrial Technologies

- Analytical Chemistry
- Biopharmaceuticals/Biotechnology
- Ceramics/Glass Technology
- Chemical/Process Engineering
- Clinical/Non-Clinical
- Cosmetics/Personal Care/
Household Products
- Electric/Gas Utility Power Engineering
- Electronics Design, Engineering
and Manufacturing
- Environmental and Safety Technology
- Food Technology
- Mechanical/Design Engineering
- Medical Device/Diagnostics
- Packaging Technology
- Petroleum Technology
- Pharmaceutical Technology
- Plastics/Coatings Technology
- Pulp and Paper Technology
- Technical/Project Management

Public



Client Site



Online



www.cfpa.com

Welcome



CfPA holds the **Essential Piece** to all your training needs with the most comprehensive selection of **Accredited Technical Training** programs available anywhere, over 350 short courses in 18 industries. Choose from a variety of formats to fit your professional lifestyle: Public, Client Site and now Online.

New for 2008

We are pleased to be offering several new courses for 2008, including:

- Economics of Petroleum Refining
- In Vitro Testing Methodologies
- Laboratory Analysis in Clinical Trials
- Negotiating the Biodefense Maze
- Pathways to Skin Penetration
- REACH: Registration, Evaluation and Authorization of Chemicals
- Roll of PAT and QbD in Biologic Drug Production
- The GLP Study Director

Online Training

CfPA's Online Training program offers a new way to experience CfPA's Accredited Technical Training and is the perfect complement to our Public and Client Site courses. Now you can easily access the knowledge you need through the Internet to improve your performance on the job and increase your value to your employer. For more information on upcoming courses visit our website at www.cfpa.com/onlinetraining.

Client Site Training

Take advantage of the benefits Client Site training offers: cost effective, convenient, and customized one-on-one attention. Any course in this listing can be brought to your company and tailored to your specific needs. For further information, please contact Client Site Programs: +1/732.238.1600, ext. 4549 or E-mail clientsite@cfpa.com.

Dear Professional,

For over 40 years **CfPA** has been the worldwide leader in providing the most comprehensive training curriculum available – 350 courses in 18 industrial technologies including: Pharmaceutical, from discovery through production; Chemical, Process and Engineering; Cosmetic & Personal Care; and Medical Device. If you haven't experienced what we have to offer – now is the time.

CfPA training courses can equip you with the skills and knowledge you need to get up-to-speed, refresh or stay-ahead. We offer our courses in a variety of formats to fit your, or your company's needs – Public class settings (held in locations in the U.S. and Europe), Client Site (anywhere in the world), and Online (right at your desktop). No matter what topic or format you use, you can be assured of receiving the tools that will make a difference in your professional career.

Our goal - To be your one source for ALL your technical training needs.

Just look at what we have to offer:

- Over 350 two-to five-day short courses in 18 applied industrial technologies
- Course topics that include basic and introductory concepts, new advances, cutting-edge technology, and current regulations
- Certification, Accreditation & Licensing by 14 organizations
- Small class sizes in public settings that encourage interaction with course directors and faculty through workshops and Q&A sessions
- Course Directors who are recognized experts in their field
- Opportunity to network and discuss ideas with the teaching staff and peers within your field
- **Online Training** - courses noted throughout this book
- Customized training through our Client Site Programs Division
- Continuing Education Units (CEU)

In this catalog you will find a complete listing of **CfPA's** curriculum of courses that are offered throughout the U.S., Puerto Rico, Europe and Latin America. Several new courses will be presented for the first time in 2008 and are noted throughout.

For more information on **CfPA** and any of the courses in this listing, please visit our website at www.cfpa.com. Here you can request information, search for a course by topic, industry, date and location, or just see what is new at **CfPA**.

We look forward to seeing you at a **CfPA** course!

The Center for Professional Advancement

Table of Contents

Analytical Chemistry	1
Biopharmaceutical/Biotechnology	1
Ceramics/Glass Technology	1
Chemical/Process Engineering Technology, Process, Equipment, and Engineering Management	2
Clinical/Non-Clinical	2–3
Cosmetics/Personal Care/Household Products	3
Electric/Gas Utility Power Engineering	3
Electronics Design, Engineering and Manufacturing	3
Environmental and Safety Technology	3
Food Technology	3–4
Mechanical/Design Engineering	4
Medical Device/Diagnostics	4
Packaging Technology	4
Petroleum Technology	4
Pharmaceutical Technology GxP, Regulatory, Validation, Technology, Process, and Equipment	4–6
Plastics/Coatings Technology	6
Pulp and Paper Technology	6
Technical/Project Management	6
Online Training	8
Client Site Programs	8

2008 CfPA Course Listing

How to use this listing:

For course descriptions, course schedule, or to register, visit our website at www.cfpa.com, enter the **Course ID#** in the "Quickjump" box and follow the on-screen prompts.

Analytical Chemistry

ID#	Course Name
1887	Analytical Methods Validation for FDA Compliance
1933	Assay Development and Validation for Biopharmaceuticals
0770	Designing the "State-of-the-Art" Laboratory
0652	Fundamentals of Gel Electrophoresis
0576	High Performance Liquid Chromatography I: Fundamentals, Equipment, and Operation
1583	Near Infra-Red Spectroscopy
2030	PAT Online Process Analysis
2067	Pharmaceutical Laboratory Information Management System (LIMS)
1852	Practical Problem Solving in Chemical Analysis
2085	Process Analytical Technology (PAT) Implementation
1448	Quality Assurance for the Analytical Laboratory
1075	Statistical Analysis of Laboratory Data
2103	Statistical Process Control for PAT
1832	Validation and Certification of the Pharmaceutical Quality Control Laboratory

Biopharmaceutical/Biotechnology

ID#	Course Name
2077	ADME - Fundamentals of Absorption, Distribution, Metabolism, and Elimination
0610	Applied cGMPs for Pharmaceutical and Allied Industries
1933	Assay Development and Validation for Biopharmaceuticals
1774	Auditing and Inspecting Preclinical Research for GLP Compliance
1116	Biopharmaceutical Process Systems
0468	Biostatistics for the Non-Statistician—Basic
2101	Biostatistics for the Non-Statistician—Beyond the Basics
1932	cGMP and Quality Issues for Biopharmaceuticals

0783	Characterization of Proteins: Isolation and Analysis
2132	Complaint Systems-The Essential Requirements – Online Training Course
2185	Conducting Compliant Endotoxin Testing – Online Training Course
0770	Designing the "State-of-the-Art" Laboratory
2078	Developability Assessment
0482	Developmental and Reproductive Toxicology
1486	Downstream Processing in Biotechnology
2084	Drug Delivery Technology
0033	Fundamentals of Biochemistry: Background for Biotechnology
0652	Fundamentals of Gel Electrophoresis
1377	Fundamentals of Molecular Biology and Genetic Engineering
2111	Fundamentals of Nanotechnology: Science, Manufacturing and Applications
0107	Good Clinical Practices (GCP)
2116	Good Distribution Practices
0545	Good Laboratory Practices (GLP)
2086	Good Tissue Practices (GTP)
2091	ICH-Q7
0677	Industrial Membrane Separations Technology
2100	International Patent Law for Managers, Engineers and Scientists
2137	Laboratory Analysis in Clinical Trials
0526	LAL Testing: Drugs, Medical Devices and Biopharmaceuticals
0279	Lyophilization Technology
0902	Microbiological Control and Validation
1487	Monitoring of Clinical Drug Studies
2164	Negotiating the Biodefense Maze NEW
1153	Non-Clinical Safety Evaluation and Drug Development
2018	Outsourcing Clinical Development
2130	PAT - Based Downstream Protein Purification
2030	PAT Online Process Analysis
0520	Patent Law for Managers, Engineers and Scientists
2115	Pharma: Concept to Consumer
2095	Pharmaceutical Technology Transfer
0330	Principles of Contemporary Immunology
2085	Process Analytical Technology (PAT) Implementation
1954	Risk Based Approach to Integrated Commissioning, Qualification and Validation
2163	Roll of PAT and QbD in Biologic Drug Production NEW
2089	Root Cause Investigation for CAPA
1473	Stabilization of Protein Drugs, Biologics and Devices
2103	Statistical Process Control for PAT
2136	The GLP Study Director NEW
0772	Writing and Implementing Clinical Protocols

Ceramics/Glass Technology

ID#	Course Name
2016	Ceramics Processing Technology
1679	Essentials of Ceramic Technology
0522	Fundamentals of Glass Technology
2111	Fundamentals of Nanotechnology: Science, Manufacturing and Applications
0301	Organic Additives in Ceramic Processing
0551	Refractories for Industrial Applications
1955	Sol-Gel Technology

Chemical/Process Engineering

TECHNOLOGY COURSES

ID#	Course Name
1731	Adsorption Technology
0669	Aerosol Technology
0145	Applied Combustion Technology
0257	Centrifugal Pump Technology
0122	Chemical Engineering for Non-Chemical Engineers
0481	Compressor and Steam Turbine Technology
1022	Conceptual Estimating and Cost Technology
0192	Cooling Tower Technology and Water Treatment
0149	Crystallization Technology
1512	Elements of Applied Process Engineering
0274	Emulsion-Suspension Technology
0668	Evaporation Technology
2111	Fundamentals of Nanotechnology: Science, Manufacturing and Applications
1997	Gasification Technology
0747	Gas Turbine Power and Co-Generation
0150	Hydrogenation Technology
1579	Industrial Ink Technology
0677	Industrial Membrane Separations Technology
1025	Industrial Rheology
0348	Introduction to Pulp and Paper Technology
0699	Ion Exchange Demineralization Technology
0065	Microwave and RF Technology
1115	Mixing of Liquids and Complex Materials
1547	Modern Battery Technology
0777	Powder Mixing Technology
0672	Pump Technology
0356	Sulfonation and Sulfation Technology
0476	Surfactants, Colloids, and Interfaces
1361	Valve Technology
2157	What is Nanotechnology? – Online Training Course

PROCESS COURSES

ID#	Course Name
0664	Additives for the Coatings Industry
1901	Analysis and Control of Industrial Processes
1883	Atomization, Sprays and Atomizers
0115	Boiler Water Treatment
0284	Briquetting, Pelletizing, Extrusion and Fluid Bed/Spray Granulation
0513	Distillation
2196	Encapsulation: Basic Techniques and Applications – Online Training Course
2162	Fluid Flow & Line Sizing
0446	Industrial Corrosion
0767	Industrial Drying of Heat Sensitive Materials
1690	Industrial Electrostatic Hazards
1048	Introduction to Papermaking Wet-End Chemistry
0289	Introduction to Petroleum Refinery Processing
1054	Machinery Failure Analysis and Prevention
0774	Microencapsulation and Particle Coating
1882	Pilot Plant and Scale-up Studies
0594	Planning and Analyzing Industrial Experiments
0487	Plant Layout
0727	Pneumatic Conveying for Bulk Solids
1691	Preventing Dust Explosions

0561	Process Plant Start-Up
1075	Statistical Analysis of Laboratory Data
1082	Statistical Process Control: Basic and Advanced Topics
2103	Statistical Process Control for PAT
0981	The Petrochemicals Industry
1548	Troubleshooting Refineries and Chemical Plants
2035	Unit Operations for the Process Industries
1645	Web Coating Processes and Applications

EQUIPMENT COURSES

ID#	Course Name
1541	Boiler and Steam System Management
1830	Design and Maintenance of Aboveground Atmospheric Storage Tanks
0770	Designing the "State-of-the-Art" Laboratory
2031	Dust Collection System Design, Troubleshooting and Optimization
0259	Fired Process Heaters
0529	Heat Exchangers
2180	Heat Exchangers: Equipment, Design and Operation – Online Training Course
2030	PAT Online Process Analysis
0496	Piping Design, Analysis and Fabrication
1672	Plant Safety Systems
0425	Pressure Vessel Design and Analysis
1529	Principles of Paper Machine Operations
0272	Process Piping Fundamentals
0706	Shell and Tube Heat Exchangers–Mechanical Aspects
1959	Troubleshooting Piping and Pipe Support Systems

ENGINEERING MANAGEMENT COURSES

ID#	Course Name
1828	Enhancing Creativity and Innovation Within Your Organization
2059	Intellectual Property, Antitrust, Ethics and Licensing Laws
0643	International Licensing and Strategic Partnering for Today's Technology Manager
2100	International Patent Law for Managers, Engineers and Scientists
1114	Managing Multiple Projects in a Resource Limited Environment
0520	Patent Law for Managers, Engineers and Scientists
1843	Process Economics and Project Risk Analysis
162	Technical Writing in Pharmaceutical and Allied Industries

Clinical/Non-Clinical

ID#	Course Name
2077	ADME - Fundamentals of Absorption, Distribution, Metabolism, and Elimination
1933	Assay Development & Validation for Biopharmaceuticals
0878	Auditing and Inspecting Clinical Research in the Global Environment
1774	Auditing and Inspecting Preclinical Research for GLP Compliance
0468	Biostatistics for the Non-Statistician–Basic
2101	Biostatistics for the Non-Statistician–Beyond the Basics
0783	Characterization of Proteins: Isolation Analysis
2104	Combination Product Development: Safety/Registration/Approval
2184	Computerized Systems Used in Clinical Investigations: The New FDA Guidance – Online Training Course

2084	Drug Delivery Technologies
1918	Drug Specification Development for APIs and Drug Products
2118	Early Stage Clinical Studies for Drugs and Devices
0033	Fundamentals of Biochemistry: Background for Biotechnology
0107	Good Clinical Practices (GCP)
0545	Good Laboratory Practices (GLP)
0448	INDs, NDAs vs CTDs Global Regulations
2137	Laboratory Analysis in Clinical Trials NEW
1487	Monitoring of Clinical Drug Studies
1153	Non-Clinical Drug Safety Evaluation and Drug Development
0858	Preparation, Packaging and Labeling of Clinical Trial Materials
0330	Principals of Contemporary Immunology
2032	Selecting and Managing CROs
2136	The GLP Study Director NEW
0772	Writing and Implementing Clinical Protocols

Cosmetics/Personal Care/ Household Products

ID#	Course Name
0669	Aerosol Technology
1915	Antiperspirant and Deodorant Technology: Principles and Applications
2186	Color Additive Basics for Decorative Cosmetics – Online Training Course
2114	Color Additives and Their Use-In Decorative Cosmetics
2182	Color Selection for Decorative Cosmetics – Online Training Course
1350	Cosmetic Product Formulation
2183	Decorative Cosmetics—Using Absorption and Pearl Pigments – Online Training Course
0274	Emulsion-Suspension Technology
2190	Everything You Wanted to Know About Antiperspirants in 90 Minutes – Online Training Course
1606	Fragrances for Cosmetic and Household Products
2111	Fundamentals of Nanotechnology: Science, Manufacturing and Applications
2094	GMP for Dietary Supplements
1019	Gums and Hydrocolloids
2076	Hair Product Development
1025	Industrial Rheology
0971	Ingredients for Cosmetics and Toiletries
2170	The International Cosmetic Ingredient Dictionary and Handbook: The Process & Impact for Back Label Disclosure – Online Training Course
2125	Introduction to Skin Aging – Online Training Course
2161	In Vitro Testing Methodologies NEW
2043	Labeling OTC Drugs
1383	Microbiological Quality of Water-Based Consumer Products
1115	Mixing of Liquids and Complex Materials
2149	Pathways to Skin Penetration NEW
0777	Powder Mixing Technology
2145	REACH: Registration, Evaluation and Authorization of Chemicals NEW
1522	Regulatory Compliance for the Personal Care Products Industry
2064	Regulatory Status of Personal Care Products for Marketing
1050	Skin Product Development
0542	Starch Technology

0356	Sulfonation and Sulfation Technology
2017	Sunscreen Technology and Product Development
2165	Sunscreens—Global Marketing & Product Trends – Online Training Course
0476	Surfactants, Colloids and Interfaces
2195	Taking the Mystique out of Silicones for the Personal Care Industry – Online Training Course
0758	Water Based Polymers

Electric/Gas Utility Power Engineering

ID#	Course Name
0145	Applied Combustion Technology
1574	Boiler Operations and Control Systems
1516	Electrical Connections
0993	Electrical Distribution Equipment Maintenance
0747	Gas Turbine Power and Co-Generation
1605	Introduction to Natural Gas Processing
0988	Steam Turbines and Auxiliaries

Electronics Design, Engineering and Manufacturing

ID#	Course Name
0790	Basics of Microelectronics Packaging
0470	Electromagnetic Compatibility Engineering: EMC Design and EMI Mitigation
0530	Encapsulation of Electronics, Devices and Components
2111	Fundamentals of Nanotechnology: Science, Manufacturing and Applications
1596	International EMC Standards, Requirements, Measurements, and the European Union Approach
0065	Microwave and RF Technology

Environmental and Safety Technology

ID#	Course Name
1672	Conception, Design and Implementation of Plant Safety Systems
1867	Critical Process Cleaning and Cleaning Validation
0770	Designing the "State-of-the-Art" Laboratory
1275	Electrostatic Precipitation
1937	Environmental Control and Monitoring
2108	HACCP: A Basic Concept for Food Protection
0902	Microbiological Control and Validation
0172	Safety in the Chemical Laboratory
0071	Waste Incineration and the Combustion Process

Food Technology

ID#	Course Name
0280	Confectionery and Chocolate Production
2196	Encapsulation: Basic Techniques and Applications – Online Training Course
0246	Flavors—Their Creation, Definition and Use
2107	Food Emulsions and Suspensions
0689	Food Extrusion Technology

2111	Fundamentals of Nanotechnology: Science, Manufacturing and Applications
2094	GMP for Dietary Supplements
0005	GMP for the Food Industry
1019	Gums and Hydrocolloids
2108	HACCP: A Basic Concept for Food Protection
2166	HACCP: Hazard Analysis & Critical Control Points—An Introduction & Review – Online Training Course
2167	HACCP: Critical Limits, Monitoring & Corrective Actions—An Introduction & Review – Online Training Course
2168	HACCP: Verification and Record Keeping – An Introduction and Review – Online Training Course
0774	Microencapsulation and Particle Coating
0065	Microwave and RF Technology
1936	Microwave Oven Technology
1115	Mixing of Liquids and Complex Materials
0777	Powder Mixing Technology
2145	REACH: Registration, Evaluation and Authorization of Chemicals NEW
0434	Sensory Evaluation
0542	Starch Technology
2035	Unit Operations for the Process Industries

Mechanical/Design Engineering

ID#	Course Name
0481	Compressor and Steam Turbine Technology
1512	Elements of Applied Process Engineering
158	Engineering with Adhesives
2162	Fluid Flow & Line Sizing
1543	Inspection, Maintenance and Repair; and Life Extension of Tubular Heat Exchangers
1054	Machinery Failure Analysis and Prevention
1560	Machinery for the Process Industries
0393	Metallurgy for Non-Metallurgists
1547	Modern Battery Technology
1882	Pilot Plant and Scale-up Studies
0692	Pipe Supports: Selection, Design, Inspection and Maintenance
0496	Piping Design, Analysis and Fabrication
1906	Practical Lubrication for Process Plants
1800	Practical Mechanical Engineering for Industry
0425	Pressure Vessel Design and Analysis
0561	Process Plant Start-Up
0863	Reciprocating Compressor Maintenance
0706	Shell and Tube Heat Exchangers—Mechanical Aspects
1878	Understanding Codes and Standards
1361	Valve Technology

Medical Device/Diagnostics

ID#	Course Name
0719	Biocompatibility Evaluation for Registration of Medical Devices and Biomaterials
2124	CAPA—the Heart of Your Quality System – Online Training Course
0023	Clean Room Technology
0148	Clinical Studies for Medical Devices
2104	Combination Product Development: Safety/Registration/Approval
1834	Complaint Procedure for Medical Devices

2132	Complaint Systems—The Essential Requirements – Online Training Course
1900	Design Control and Product Validation
2135	Equipment Qualification in a Nutshell – Online Training Course
2111	Fundamentals of Nanotechnology: Science, Manufacturing and Applications
0315	GMP/QSR/QSIT for Medical Devices
2086	Good Tissue Practices (GTP)
2100	International Patent Law for Managers, Engineers and Scientists
2092	ISO 13485, ISO 9001 and QSR Regulations for Medical Device Companies
2137	Laboratory Analysis in Clinical Trials
0526	LAL Testing: Drugs, Medical Devices and Biopharmaceuticals
1992	Medical Device Regulatory Compliance
0460	Medical Devices: Strategies for Getting to and Staying on the Market
0902	Microbiological Control and Validation
0520	Patent Law for Managers, Engineers and Scientists
2013	Principles of Process Validation
0736	Process Validation for the Pharmaceutical and Medical Device Industries
1789	Process Validation for Packaging of Pharmaceuticals and Medical Devices
2189	Process Validation in a Nutshell – Online Training Course
2106	Risk Analysis & Human Factors Engineering
2147	Risk Hazard Assessment for Validation-ISO 14971, HACCP, FMEA, Fault Tree, Root Cause – Online Training Course
2089	Root Cause Investigation for CAPA
1954	Science and Risk Based Approach to Commissioning, Qualification and Validation
0728	Sterilization Technologies and Process Validation
2179	The cGTP in a Nutshell – Online Training Course

Packaging Technology

ID#	Course Name
0042	Packaging of Pharmaceuticals, Medical Device and Cosmetics
0858	Preparation, Packaging and Labeling of Clinical Trial Materials
1789	Process Validation for Packaging of Pharmaceuticals and Medical Devices

Petroleum Technology

ID#	Course Name
1876	Construction Contracts and Disputes Control in the Energy Industry
1198	Corrosion Control in the Oil and Gas Industry
1853	Drilling and Completion Chemicals in the Oil Industry
2134	Economics of Petroleum Refining NEW
2162	Fluid Flow & Line Sizing
2111	Fundamentals of Nanotechnology: Science, Manufacturing and Applications
1997	Gasification Technology
0150	Hydrogenation Technology
1605	Introduction to Natural Gas Processing
0289	Introduction to Petroleum Refinery Processing
1521	Oil and Gas Operations: Environmental Concerns and Solutions
1189	Production Chemicals in the Oil Industry
0356	Sulfonation and Sulfation Technology
0981	The Petrochemicals Industry

Pharmaceutical Technology

GxP COURSES

ID#	Course Name
0610	Applied cGMPs for Pharmaceutical and Allied Industries
1932	cGMP and Quality Issues for Biopharmaceuticals
2012	cGMP Auditing—Strategies for Compliance
0604	cGMP for Pharmaceutical Production Supervisors
1753	cGMP for Pharmaceutical Quality Control Laboratory Personnel
1630	cGMP Regulations for Pharmaceutical Corporate Executives
1836	Current Good Manufacturing Practice (cGMP) for Purchasing
2050	Excipient GMPs
2094	GMP for Dietary Supplements
0107	Good Clinical Practices (GCP)
2116	Good Distribution Practices
0545	Good Laboratory Practices (GLP)
2086	Good Tissue Practices (GTP)
2115	Pharma: Concept to Consumer
1646	Writing SOPs for cGMP Compliance

REGULATORY COURSES

ID#	Course Name
1084	Adverse Drug Event Monitoring and Reporting
1998	Annual Product Reviews (APRs) for Pharmaceuticals
1774	Auditing and Inspecting Preclinical Research for GLP Compliance
1881	Auditing for cGMP Compliance
2052	Change Control/Deviation
2128	Choosing Sensors, Monitors and Instruments for PAT Programs – Online Training Course
1989	CMC Submissions in CTD Format
2104	Combination Product Development: Safety/Registration/Approval
1834	Complaint Procedures for Medical Devices
2132	Complaint Systems-The Essential Requirements – Online Training Course
1681	Conducting Effective Quality Audits
2127	Cost Effective Quality-by-Design and Critical-to-Quality Tools for PAT – Online Training Course
1866	Documentation Management and Control
1999	Drug Regulatory Compliance/Drug Approval and Preapproval Inspection
1918	Drug Specification Development for APIs and Drug Products
1462	Generic Drug Approvals
2091	ICH-Q7
2131	ICH Q10: Pharmaceutical Quality System
0448	INDs, NDAs vs CTDs Global Regulations
1808	IQ/OQ/PQ
2043	Labeling OTC Drugs
2047	Laboratory Control System
0224	Pharmaceutical Quality Assurance and Control
1909	Pharmaceutical Production and QA/QC Records and Reports
0187	Preparing for and Surviving an FDA Inspection
2085	Process Analytical Technology Implementation (PAT)
2046	Quality System
1831	Registration of Pharmaceutical Products in the European Union
2089	Root Cause Investigation for CAPA
1948	Scale-Up and Post Approval Changes Guidelines (SUPAC & API Changes)
2032	Selecting & Managing CROs
1880	Surviving an FDA Inspection—FDA Inspections of Non-U.S. Sites
0587	U.S. FDA Drug Development and Compliance

1984	Vendor and Contract Supplier Qualification
0772	Writing and Implementing Clinical Protocols

VALIDATION COURSES

ID#	Course Name
1887	Analytical Methods Validation for FDA Compliance
1933	Assay Development and Validation for Biopharmaceuticals
1116	Biopharmaceutical Process Systems
1867	Critical Process Cleaning and Cleaning Validation
1900	Design Control and Product Validation
0902	Microbiological Control and Validation
1789	Process Validation for Packaging of Pharmaceuticals and Medical Devices
0736	Process Validation for the Pharmaceutical and Medical Device Industry
1954	Science and Risk Based Approach to Commissioning, Qualification and Validation
0728	Sterilization Technologies and Process Validation
0913	System Validation, GAMP Harmonization and P.A.T.
1832	Validation and Certification of the Pharmaceutical Quality Control Laboratory
2154	Validation of Computer Systems: Pharmaceutical Manufacturing
1526	Validation of Manufacturing and Distribution Computer Systems
2113	Validation Master Plan Workshop
2060	Validation Workshop for Computer Systems

TECHNOLOGY COURSES

ID#	Course Name
2077	ADME - Fundamentals of Absorption, Distribution, Metabolism, and Elimination
1938	Barrier/Isolator Technology for FDA Regulated Facilities
2078	Developability Assessment
0482	Developmental and Reproductive Toxicology
2084	Drug Delivery Technology
0274	Emulsion-Suspension Technology
2196	Encapsulation: Basic Techniques and Applications – Online Training Course
2111	Fundamentals of Nanotechnology: Science, Manufacturing and Applications
1019	Gums and Hydrocolloids
1025	Industrial Rheology
0279	Lyophilization Technology
0774	Microencapsulation and Particle Coating
0065	Microwave and RF Technology
1115	Mixing of Liquids and Complex Materials
2149	Pathways to Skin Penetration NEW
1470	Pharmaceutical Aerosol Technology
0667	Pharmaceutical Coating Technology
0655	Pharmaceutical Supervisory Management Skills
2095	Pharmaceutical Technology Transfer
0117	Powders: Their Properties and Processing
0330	Principles of Contemporary Immunology
2085	Process Analytical Technology (PAT) Implementation
0542	Starch Technology
0758	Water Based Polymers

PROCESS COURSES

ID#	Course Name
0840	Active Pharmaceutical Ingredient
0468	Biostatistics for the Non-Statistician—Basic
2101	Biostatistics for the Non-Statistician—Beyond the Basics

2026	Calibration in the FDA Regulated Industry	
2185	Conducting Compliant Endotoxin Testing – Online Training Course	
0770	Designing the "State-of-the-Art" Laboratory	
0599	Drug Product Stability and Shelf-Life	
0541	Granulation, Tableting and Capsule Technology	
0767	Industrial Drying of Heat Sensitive Materials	
0677	Industrial Membrane Separations Technology	
2100	International Patent Law for Managers, Engineers and Scientists	
2137	Laboratory Analysis in Clinical Trials	NEW
0526	LAL Testing: Drugs, Medical Devices and Biopharmaceuticals	
1487	Monitoring of Clinical Drug Studies	
1153	Non-Clinical Safety Evaluation and Drug Development	
2018	Outsourcing Clinical Development	
1714	Outsourcing Pharmaceutical Operations	
0520	Patent Law for Managers, Engineers and Scientists	
2149	Pathways to Skin Penetration	NEW
1358	Pharmaceutical Process Development	
0777	Powder Mixing Technology	
2189	Process Validation in a Nutshell – Online Training Course	
2156	Risk Management in a Nutshell – Online Training Course	
1050	Skin Product Development	
2103	Statistical Process Control for PAT	
0435	Sterile Products: Formulation, Manufacture and Quality Assurance	
2075	Sterilization in the Pharmaceutical Industry	
0356	Sulfonation and Sulfation Technology	
0476	Surfactants, Colloids and Interfaces	
2136	The GLP Study Director	NEW

EQUIPMENT COURSES

ID#	Course Name	
0023	Clean Room Technology	
1937	Environmental Control and Monitoring	
0042	Packaging of Pharmaceuticals	
2030	PAT Online Process Analysis	
2067	Pharmaceutical Laboratory Information Management System (LIMS)	
1802	Pharmaceutical Water Systems	
1672	Plant Safety Systems	
0858	Preparation, Packaging and Labeling of Clinical Trial Materials	
1428	Tablet Production for Operators and Supervisors	

Plastics/Coatings Technology

ID#	Course Name	
0664	Additives for the Coatings Industry	
0614	Adhesion Science and Technology	
1613	Coextrusion Technology	
0379	Elastomers Technology	
2111	Fundamentals of Nanotechnology: Science, Manufacturing and Applications	
0616	Introduction to Thermoplastic Processes	
1115	Mixing of Liquids and Complex Materials	
0098	Plastics Additives	
0777	Powder Mixing Technology	
1730	Printing Technology	
0592	Radiation Curing: Ultraviolet Light and Electron Beam Technology	
1645	Web Coating Processes and Applications	

Pulp and Paper Technology

ID#	Course Name	
2111	Fundamentals of Nanotechnology: Science, Manufacturing and Applications	
1579	Industrial Ink Technology	
1048	Introduction to Papermaking Wet-End Chemistry	
0348	Introduction to Pulp and Paper Technology	
1529	Principles of Paper Machine Operations	
1730	Printing Technology	
1645	Web Coating Processes and Applications	

Technical/Project Management

ID#	Course Name	
2134	Economics of Petroleum Refining	NEW
0129	Effective Project Management	
1828	Enhancing Creativity and Innovation Within Your Organization	
2059	Intellectual Property, Antitrust, Ethics and Licensing Laws	
0643	International Licensing and Strategic Partnering for Today's Technology Manager	
2100	International Patent Law for Managers, Engineers and Scientists	
1114	Managing Multiple Projects in a Resource Limited Environment	
0520	Patent Law for Managers, Engineers and Scientists	
0655	Pharmaceutical Supervisory Management Skills	
0162	Technical Writing in the Pharmaceutical and Allied Industries	
0253	The Technical Secretary/Administrative Assistant	

Accreditations/Continuing Education Units*

CfPA has received the acclaimed "authorized provider" status confirming our commitment to excellence in professional continuing education from The International Association for Continuing Education and Training (IACET). In addition, CfPA holds full accreditation status with The Accreditation Council for Pharmacy Education (ACPE).

CfPA's continuing education has been recognized by fourteen (14) such organizations. Most scientific and engineering professional associations and societies develop programs to identify and ensure competence of individual professionals. They award certificates (official approvals) to professionals who meet recognized standards of competence.



CfPA has been reviewed and approved as an Authorized Provider (#640) by The International Association for Continuing Education and Training (IACET) and awards Continuing Education Units (CEU) for participation in all courses. Please note

that CEU will only be awarded upon successful completion of the course, i.e. attendance at essentially all the formal sessions and submission of a course evaluation.



CfPA is accredited by the Accreditation Council for Pharmacy Education (ACPE) as an authorized provider of continuing pharmacy education.

* For more information or to request a complete listing of our accreditations, visit our website.

The Center for Professional Advancement (CfPA) strives to maintain compliance with The Americans with Disabilities Act and the Laws Against Discrimination.

Information Request Form

Complete and return this form via fax or mail, or visit our website at: www.cfpa.com

In North America:

The Center for Professional Advancement
P.O. Box 7077, East Brunswick, NJ USA 08816-7077
Tel: +1/732.238.1600 • Fax: +1/732.238.9113
E-mail: info@cfpa.com

In Europe:

The Center for Professional Advancement
Oudezijds Voorburgwal 316A, 1012 GM
Amsterdam, The Netherlands
Tel: +31/20/638.28.06 • Fax: +31/20/620.21.36
E-mail: amsterdam@cfpa.com

In South America:

The Center for Professional Advancement
Caixa Postal-2045
Sao Paulo - SP, CEP-01060-970
Brazil
E-mail: brazilinfo@cfpa.com

Please send me information on the following courses: (please list the course ID# for each)

--	--	--	--	--

Dr./Mr./Ms. _____

First Name _____

Last Name _____

Job Title _____

Company _____

Mailing Address _____

Phone _____

Fax _____

E-mail _____

(CfPA does not rent or sell E-mail addresses.)

Yes! I would like to be notified of upcoming courses in my field by E-mail.

Yes! Please notify me of upcoming Online Training.

Please contact me regarding arranging a Client Site course.

Please send me course brochures for the following field(s) of interest (check up to 5)

- | | |
|--|--|
| <input type="checkbox"/> Analytical Chemistry | <input type="checkbox"/> Food Technology |
| <input type="checkbox"/> Biopharmaceuticals/Biotechnology | <input type="checkbox"/> Mechanical/Design Engineering |
| <input type="checkbox"/> Ceramics/Glass Technology | <input type="checkbox"/> Medical Device/Diagnostics |
| <input type="checkbox"/> Chemical/Process Engineering | <input type="checkbox"/> Packaging Technology |
| <input type="checkbox"/> Clinical/Non-Clinical | <input type="checkbox"/> Petroleum Technology |
| <input type="checkbox"/> Cosmetics/Personal Care/Household Products | <input type="checkbox"/> Pharmaceutical Technology |
| <input type="checkbox"/> Electric/Gas Utility Power Engineering | <input type="checkbox"/> Plastics/Coatings Technology |
| <input type="checkbox"/> Electronics Design, Engineering and Manufacturing | <input type="checkbox"/> Pulp and Paper Technology |
| <input type="checkbox"/> Environmental and Safety Technology | <input type="checkbox"/> Technical/Project Management |

Priority Code: 503



Online Training

A new way to experience CfPA's Accredited Technical Training!

CfPA's **Online Training** is a perfect complement to our Public and Client Site programs. Experience the ability to supplement your training needs or expand on your knowledge in areas critical to your job function.

Advantages of CfPA's Online Training:

Convenient – Access **CfPA Online Training** from your office, home or on the road - anywhere around the world

Interactive – Actively participate with instructor and participants in a virtual classroom through the use of polls, Q&A and other online tools

Topics – All courses taught by leading industry experts, topic areas are similar to our public courses and include basic concepts to the latest advances

Accredited – All 90 minute training programs are accredited

Easy to Use – All you need is a computer with an internet connection

Cost Effective – Save on travel costs and time out of the office

For 40 years CfPA has been delivering high quality, pragmatic training programs to professionals like you around the world, now you can easily access the knowledge you need to improve your performance on the job and increase your value to your employer. Online courses are now available in live and on-demand formats, both are interactive and accredited.

For more information on our Online Training

visit our website at www.cfpa.com/onlinetraining or E-mail onlinetraining@cfpa.com

Customized Training Through Client Site Programs

Whatever your on site needs may be, we can meet them.

Offered at your location and at your convenience, **CfPA** will bring any of our courses to your team for customized training, or we can work with you to develop a program to address the specific issues most critical to you.

What are the advantages to a Client Site Course?

- You can have up to thirty-five of your engineers, scientists and technical managers participating simultaneously in a course.
- You have the opportunity to tailor the standard program to your company's specific problems and interests.
- You have one-to-one access with a top teaching team specializing in your industry, and comprehensive course material, for an all-inclusive fee.
- You save on costly hotel and travel expenses.

How to arrange a Client Site Course:

Please identify the course(s) from our course listing catalog that would be most beneficial to your employees/organization, and contact our **Client Site** division at 732.238.1600 ext. 4549 or E-mail clientsite@cfpa.com.

The Center for Professional Advancement

Accredited Technical Training Worldwide

Public **Client Site** **Online**

- Analytical Chemistry
- Biopharmaceuticals/Biotechnology
- Ceramics/Glass Technology
- Chemical/Process Engineering
- Clinical/Non-Clinical
- Cosmetics/Personal Care/Household Products
- Electric/Gas Utility Power Engineering
- Electronics Design, Engineering and Manufacturing
- Environmental and Safety Technology
- Food Technology
- Mechanical/Design Engineering
- Medical Device/Diagnostics
- Packaging Technology
- Petroleum Technology
- Pharmaceutical Technology
- Plastics/Coatings Technology
- Pulp and Paper Technology
- Technical/Project Management

Corporate Office:

P.O. Box 7077
East Brunswick, NJ USA 08816-7077
Tel: +1/732.238.1600
Fax: +1/732.238.9113
E-mail: info@cfpa.com

European Office:

Oudezijds Voorburgwal 316A, 1012 GM
Amsterdam, The Netherlands
Tel: +31/20/638.28.06
Fax: +31/20/620.21.36
E-mail: amsterdam@cfpa.com

South American Office:

Caixa Postal-2045
Sao Paulo - SP, CEP-01060-970, Brazil
E-mail: brazilinfo@cfpa.com

www.cfpa.com