



CfPA

The Center for Professional Advancement
Accredited Technical Training Worldwide



2007 LISTING OF SHORT COURSES

OUR COMPLETE CURRICULUM OF TECHNICAL PROGRAMS

The Essential Piece to your Training Needs



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 450 short courses in 19 industries. Choose from a variety of formats to fit your professional lifestyle: public, client-site and now online.

New for 2007

We are pleased to be offering several new courses for 2007, including:

- Good Distribution Practices
- Pharma: Concept to Consumer
- Color Additives and Their Use in Decorative Cosmetics
- Early Stage Clinical Development
- FDA/GMP/Pharmacopia Training
- Validation Master Plan Workshop
- Fluid Flow & Line Sizing

Online Training and Webinars

CfPA's Online Training and Webinar 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 and 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, 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 clawrence@cfpa.com.

Dear Professional,

The year 2007 marks an important milestone for **The Center for Professional Advancement (CfPA)**, our **40th anniversary**. Since our founding in 1967, **CfPA** continues to be an international leader in accredited continuing education and technical training. It is our prominent reputation, and experience, that has earned us high recognition by thousands of companies who consider us to be an integral part of their training programs. Having already successfully trained over 500,000 people worldwide, we, at **CfPA**, are committed to our mission of bringing industry professionals the most state-of-the-art, cutting-edge technology available.

Dr. Saul Gordon, **CfPA's** founder, knew that for continuing professional education and technical training to be relevant, and of practical value, it was mandatory that the course be pragmatically oriented, cover very specific well-defined subject areas, and be taught by professionals actively engaged in the field.

Now 40 years later, this approach still holds true and **CfPA** courses are offered in a variety of formats to fit you or your company's needs – Public, Client-Site and now **Online Training**. No matter what format you use, you can be assured of receiving the tools that will make a difference when you return to your position.


CfPA Provides:

- ✓ Over 450 two-to-five-day short courses in 19 applied industrial technologies
- ✓ Certification, Accreditation & Licensing by 13 different organizations
- ✓ Small class size in public settings that encourages interaction with course directors and faculty
- ✓ **Online Training and Webinars – New for 2007!**
- ✓ Customized training through our Client-Site division
- ✓ Course topics that include basic and introductory concepts, new advances, cutting-edge technology, or current regulations
- ✓ Continuing Education Units (CEU)
- ✓ Course Directors who are recognized experts in their field
- ✓ Opportunity to network and discuss ideas with the teaching staff and peers within your field

In this catalog you will find a comprehensive listing of **CfPA's** curriculum of courses that are offered throughout the U.S., Puerto Rico, Europe and South America. Several new courses will be presented for the first time in 2007 and are noted throughout this catalog. To view details of any of our courses please visit us at www.cfpa.com.

We look forward to seeing you at a CfPA course!
The Center for Professional Advancement (CfPA)

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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 "Quick Jump Box" and follow the on-screen prompts. You may also call, fax or E-mail us.

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
- 1434 High Performance Liquid Chromatography II: Advanced Topics and Bio-Separations
- 1583 Near Infra-Red Spectroscopy
- 2030 Online Process Analysis Technologies
- 2067 Pharmaceutical Laboratory Information Management System (LIMS)
- 1852 Practical Problem Solving in Chemical Analysis
- 2085 Process Analytical Technology (PAT)
- 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

Biopharmaceuticals/Biotechnology

ID# Course Name

- 2077 ADME- Fundamentals of Absorption, Distribution, Metabolism, and Elimination
- 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
- 1225 Clinical Data Management in Pharmaceutical Research and Development
- 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 **NEW COURSE**
- 0545 Good Laboratory Practices (GLP)
- 2086 Good Tissue Practices (GTP)
- 2091 ICH-Q7A
- 0667 Industrial Membrane Separations Technology
- 2100 International Patent Law for Managers, Engineers and Scientists
- 0526 LAL Testing: Drugs, Medical Devices and Biopharmaceuticals
- 0279 Lyophilization Technology
- 0902 Microbiological Control and Validation
- 1487 Monitoring of Clinical Drug Studies
- 1153 Non-Clinical Safety Evaluation and Drug Development
- 2030 Online Process Analysis Technologies
- 2018 Outsourcing Clinical Development
- 2130 PAT - Based Downstream Protein Purification
- 0520 Patent Law for Managers, Engineers and Scientists
- 2115 Pharma: Concept to Consumer **NEW COURSE**
- 0610 Pharmaceutical cGMPs and FDA Inspections
- 2095 Pharmaceutical Technology Transfer
- 0330 Principles of Contemporary Immunology
- 2085 Process Analytical Technology (PAT)
- 1954 Risk Based Approach to Integrated Commissioning, Qualification and Validation
- 2089 Root Cause Investigation for CAPA
- 1473 Stabilization of Protein Drugs, Biologics and Devices
- 2103 Statistical Process Control for PAT
- 0772 Writing and Implementing Clinical Protocols

Ceramics/Glass Technology

ID# Course Name

- 1576 Advanced Ceramics Technology
- 0503 Ceramic Metal Joining
- 2016 Ceramics Processing Technology
- 1650 Color in Glass and Glazes
- 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
1997	Gasification Technology
0150	Hydrogenation Technology
1579	Industrial Ink Technology
0677	Industrial Membrane Separations Technology
1025	Industrial Rheology
1604	Industrial Surfactant Technology
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
0747	Gas Turbine Power and Co-Generation
0672	Pump Technology
0356	Sulfonation and Sulfation Technology
0476	Surfactants, Colloids, and Interfaces
1361	Valve Technology

PROCESS COURSES

ID#	Course Name	
0664	Additives for the Coatings Industry	
1901	Analysis and Control of Industrial Processes	
1883	Atomization, Sprays and Atomizers	
1092	Batch Processing for the Chemical and Pharmaceutical Industries	
0115	Boiler Water Treatment	
0284	Briquetting, Pelletizing, Extrusion and Fluid Bed/Spray Granulation	
0513	Distillation	
1275	Electrostatic Precipitation	
2112	Fluid Flow & Line Sizing	NEW COURSE
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	
1581	Paper Properties and Testing	
0981	The Petrochemicals Industry	
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
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
1926	Boilers, Boiler Control and Burner Management Systems
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
2030	Online Process Analysis Technologies
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
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
0818	Lump Sum Contracting
1114	Managing Multiple Projects in a Resource Limited Environment
0520	Patent Law for Managers, Engineers and Scientists
1843	Process Economics and Project Risk Analysis
1338	Project Management for Plant Retrofits and Shutdowns
2057	Writing When English Is Your Second Language

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
2084	Drug Delivery Technologies
2118	Early Stage Clinical Development NEW COURSE
0033	Fundamentals of Biochemistry: Background for Biotechnology
0107	Good Clinical Practices (GCP)
0545	Good Laboratory Practices (GLP)
0448	INDs, NDAs vs CTDs Global Regulations
1487	Monitoring of Clinical Drug Studies
1153	Non-Clinical Drug Safety Evaluation and Drug Development
2018	Outsourcing Clinical Development
0858	Preparation, Packaging and Labeling of Clinical Trial Materials
0330	Principals of Contemporary Immunology
2032	Selecting and Managing CROs
1918	The Process of Setting Pharmaceutical Specifications
0772	Writing and Implementing Clinical Protocols

Construction Engineering

ID#	Course Name
0512	Heating, Ventilating and Air Conditioning: Manual and Computer Engineering Calculations
1362	HVAC Equipment Evaluation and Selection
0640	Resolving Contract Disputes and Avoiding Construction Claims
1592	Roofing Technology

Cosmetics, Personal Care and Household Products

ID#	Course Name
0669	Aerosol Technology
1915	Antiperspirant and Deodorant Technology: Principles and Applications
2114	Color Additives and Their Use-In Decorative Cosmetics NEW COURSE
1851	Cosmetic Packaging Development
1350	Cosmetic Product Formulation
0274	Emulsion-Suspension Technology
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
2043	Labeling OTC Drugs
1383	Microbiological Quality of Water-Based Consumer Products
1115	Mixing of Liquids and Complex Materials
0777	Powder Mixing Technology
1522	Regulatory Compliance for the Personal Care Products
2064	Regulatory Status of Personal Care Products—for Marketing
1050	Skin Product Development
0542	Starch Technology
0356	Sulfonation and Sulfation Technology
2017	Sunscreens: Chemistry, Formulation, and Regulatory Considerations

0476	Surfactants, Colloids and Interfaces
0758	Water Based Polymers

Electric/Gas Utility Power Engineering

ID#	Course Name
0145	Applied Combustion Technology
1541	Boiler and Steam System Management
1574	Boiler Operations and Control Systems
1516	Electrical Connections
0993	Electrical Distribution Equipment Maintenance
1275	Electrostatic Precipitation
1605	Introduction to Natural Gas Processing
0321	Power and Distribution Transformer
0747	Gas Turbine Power and Co-Generation
0988	Steam Turbines and Auxiliaries
1363	Switchgear and Control Applications for Power Plants

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
0827	Testing Digital Electronics

Environmental and Safety Technology

ID#	Course Name
1214	Baghouse Dust Collection Systems
1316	Biological Treatment of Contaminated Soil and Groundwater
1672	Conception, Design and Implementation of Plant Safety Systems
0770	Designing the "State of the Art" Laboratory
1937	Environmental Control and Monitoring
0395	Industrial Biological Wastewater Treatment Systems
0817	Modern Remediation Technologies
1911	Process Design of Industrial Wastewater Treatment Systems
0172	Safety in the Chemical Laboratory
0071	Waste Incineration and the Combustion Process

Food Technology

ID#	Course Name
0280	Confectionery and Chocolate Production
1708	FDA Regulation of New Food Ingredients and Dietary Supplements
0246	Flavors—Their Creation, Definition and Use
2107	Food Emulsions and Suspensions
0689	Food Extrusion Technology

0492	Food Microbiology	0526	LAL Testing: Drugs, Medical Devices and Biopharmaceuticals
0532	Food Shelf-Life	1992	Medical Device Regulatory Compliance
2111	Fundamentals of Nanotechnology	0460	Medical Devices: Strategies for Getting to and Staying on the Market
2094	GMP for Dietary Supplements	0902	Microbiological Control and Validation
0005	GMP for the Food Industry	0520	Patent Law for Managers, Engineers and Scientists
1019	Gums and Hydrocolloids	1956	Premarket Submissions for Software Controlled Medical Devices
2108	HACCP: A Basic Concept for Food Protection	2013	Principles of Process Validation
0774	Microencapsulation and Particle Coating	0736	Process Validation for the Pharmaceutical and Medical Device Industry
0065	Microwave and RF Technology	1789	Process Validation for Packaging of Pharmaceuticals and Medical Devices
1936	Microwave Oven Technology	1629	Registration of Medical Devices and In Vitro Diagnostics in Europe
1115	Mixing of Liquids and Complex Materials	2106	Risk Analysis & Human Factors Engineering
0777	Powder Mixing Technology	1954	Risk Based Approach to Integrated Commissioning, Qualification and Validation
2010	Regulation of Traditional Foods, Functional Foods and Dietary Supplements	2089	Root Cause Investigation for CAPA
0434	Sensory Evaluation	0728	Sterilization Technologies and Process Validation
0542	Starch Technology		
2035	Unit Operations for the Process Industries		

Mechanical/Design Engineering

ID#	Course Name
0481	Compressor and Steam Turbine Technology
0158	Engineering with Adhesives
1362	HVAC Equipment Evaluation and Selection
1543	Inspection, Maintenance and Repair; and Life Extension of Tubular Heat Exchangers
0139	Lubrication, Friction and Wear: Applied Tribology
1054	Machinery Failure Analysis and Prevention
1560	Machinery for the Process Industries
0393	Metallurgy for Non-Metallurgists
1547	Modern Battery Technology
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
0863	Reciprocating Compressor Maintenance
0706	Shell and Tube Heat Exchangers—Mechanical Aspects
1878	Understanding Codes and Standards
1361	Valve Technology

Medical Devices/Diagnostics

ID#	Course Name
0719	Biocompatibility Evaluation for Registration of Medical Devices and Biomaterials
0023	Clean Room Technology
0148	Clinical Studies for Medical Devices
2104	Combination Product Development: Safety/Registration/Approval
1834	Complaint Procedure for Medical Devices
1900	Design Control and Product Validation
2111	Fundamentals of Nanotechnology
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

Packaging Technology

ID#	Course Name
1851	Cosmetic Packaging Development
1770	EU Regulations, Label and Leaflet Technology for Pharmaceutical Packaging
0042	Packaging of Pharmaceuticals
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 in the Oil and Gas Industry
1853	Drilling and Completion Chemicals in the Oil Industry
2112	Fluid Flow & Line Sizing NEW COURSE
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
0981	The Petrochemicals Industry
1189	Production Chemicals in the Oil Industry

Pharmaceutical Technology

GxP COURSES

ID#	Course Name
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
1836	cGMP for Purchasing

1837	cGMP Regulations for Human Resources Personnel
1630	cGMP Regulations for Pharmaceutical Corporate Executives
2050	Excipient GMPs
2094	GMP for Dietary Supplements
0107	Good Clinical Practices (GCP)
2116	Good Distribution Practices NEW COURSE
0545	Good Laboratory Practices (GLP)
2086	Good Tissue Practices (GTP)
2115	Pharma: Concept to Consumer NEW COURSE
0610	Pharmaceutical cGMPs and FDA Inspections
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
0878	Auditing and Inspecting Clinical Research in the Global Environment
1774	Auditing and Inspecting Preclinical Research for GLP Compliance
1881	Auditing for GMP Compliance
2052	Change Control/Deviation
1989	CMC Submissions in CTD Format
2104	Combination Product Development: Safety/Registration/Approval
1834	Complaint Procedures for Medical Devices
1681	Conducting Effective Quality Audits
1866	Documentation Management and Control
1999	Drug Regulatory Compliance/Drug Approval and Preapproval Inspection
1770	EU Regulations, Label and Leaflet Technology for Pharmaceutical Packaging
1462	Generic Drug Approvals
2091	ICH-Q7A
2131	ICH-Q10
0448	INDs, NDAs vs CTDs Global Regulations
1808	IQ/OQ/PQ
2043	Labeling OTC Drugs
2047	Laboratory Control System
2085	PAT Implementation
0224	Pharmaceutical Quality Assurance and Control
1909	Pharmaceutical Production and QA/QC Records and Reports
0187	Preparing for and Surviving an FDA Inspection
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
1918	The Process of Setting Pharmaceutical Specifications
0587	U.S. FDA Regulatory 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
0489	Parenterals: Formulation, Manufacture & Qualification/Validation
1789	Process Validation for Packaging of Pharmaceuticals and Medical Devices
0736	Process Validation for the Pharmaceutical and Medical Device Industry
1954	Risk Based Approach to Integrated Commissioning, Qualification and Validation
0728	Sterilization Technologies and Process Validation
1832	Validation and Certification of the Pharmaceutical Quality Control Laboratory
0913	System Validation, GAMP Harmonization and P.A.T
1526	Validation of Manufacturing and Distribution Computer Systems
2113	Validation Master Plan Workshop NEW COURSE
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
2111	Fundamentals of Nanotechnology
1019	Gums and Hydrocolloids
1025	Industrial Rheology
0217	Introduction to Pharmacology
0279	Lyophilization Technology
0774	Microencapsulation and Particle Coating
0065	Microwave and RF Technology
1115	Mixing of Liquids and Complex Materials
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)
0542	Starch Technology
0758	Water Based Polymers
2057	Writing When English Is Your Second Language

PROCESS COURSES

ID#	Course Name
0840	Active Pharmaceutical Ingredients Production
1737	Biosafety of Biological Drug Products
0468	Biostatistics for the Non-Statistician—Basic
2101	Biostatistics for the Non-Statistician—Beyond the Basics
2026	Calibration in the FDA Regulated Industry
1225	Clinical Data Management in Pharmaceutical Research and Development

1868	Critical Cleaning and Microbial Control for Barrier Technology and Advanced Aseptic Processing
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
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
1358	Pharmaceutical Process Development
1710	Phase I Drug Development
0777	Powder Mixing Technology
1525	Prescription and OTC Drug Advertising and Labeling
1839	Procuring Clinical Drug Development Services
1050	Skin Product Development
2103	Statistical Process Control for PAT
0435	Sterile Products: Formulation, Manufacture and Control
2075	Sterilization in the Pharmaceutical Industry
0356	Sulfonation and Sulfation Technology
0476	Surfactants, Colloids and Interfaces

EQUIPMENT COURSES

ID#	Course Name
1930	Case Report Forms and Other Instruments for Clinical Data Collection
0023	Clean Room Technology
1937	Environmental Control and Monitoring
2030	Online Process Analysis Technologies
0042	Packaging of Pharmaceuticals
2067	Pharmaceutical Laboratory Information Management System (LIMS)
0723	Pharmaceutical Production Facilities
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
0158	Engineering with Adhesives
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
1579	Industrial Ink Technology
1048	Introduction to Papermaking Wet-End Chemistry
0348	Introduction to Pulp and Paper Technology
1857	Measurement and Control of Paper Quality
1581	Paper Properties and Testing
1529	Principles of Paper Machine Operations
1730	Printing Technology
1645	Web Coating Processes and Applications

Technical/Project Management

ID#	Course Name
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
0818	Lump Sum Contracting
1114	Managing Multiple Projects in a Resource Limited Environment
0520	Patent Law for Managers, Engineers and Scientists
0655	Pharmaceutical Supervisory Management Skills
1338	Project Management for Plant Retrofits and Shutdowns
0640	Resolving Contract Disputes and Avoiding Construction Claims
0253	The Technical Secretary/Administrative Assistant
0162	Technical Writing in the Pharmaceutical and Allied Industries
2057	Writing When English Is Your Second Language

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

ACCREDITATIONS/CONTINUING EDUCATION UNITS*

CfPA courses are accredited by a total of 13 organizations including:



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 most 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.

INFORMATION REQUEST FORM

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

In North America:

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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)*

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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 and webinar courses.**
- 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"/> Mechanical/Design Engineering |
| <input type="checkbox"/> Biopharmaceuticals/Biotechnology | <input type="checkbox"/> Medical Device/Diagnostics |
| <input type="checkbox"/> Ceramics/Glass Technology | <input type="checkbox"/> Packaging Technology |
| <input type="checkbox"/> Chemical/Process Engineering | <input type="checkbox"/> Paints & Coatings Technology |
| <input type="checkbox"/> Clinical/Non-Clinical | <input type="checkbox"/> Petroleum/Gas Technology |
| <input type="checkbox"/> Construction Engineering | <input type="checkbox"/> Pharmaceutical Technology |
| <input type="checkbox"/> Cosmetics/Personal Care/Household Products | <input type="checkbox"/> Plastics & Polymers Technology |
| <input type="checkbox"/> Electronic Engineering | <input type="checkbox"/> Pulp & Paper Technology |
| <input type="checkbox"/> Environmental & Safety Technology | <input type="checkbox"/> Technical/Project Management |
| <input type="checkbox"/> Food Technology | |

Registration Code: 503



INTRODUCING ONLINE TRAINING AND WEBINARS



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 and/or certified
- Easy to Use** – All you need is a computer with an internet connection, and a phone line
- Cost Effective** – Save on travel costs and time out of the office

Webinars:

In addition to our 90 minute Online Training programs, CfPA will be offering hour long "Info Bursts" on the latest news, regulations and/or technologies in the pharmaceutical, chemical and cosmetic industries.

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.

For more information on our Online Training and Webinars

visit our website at www.cfpa.com/onlinetraining

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 its 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:

If your company is interested in a **Client-Site** training program, 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.

ACCREDITED TECHNICAL TRAINING WORLDWIDE

Public ————— **Client-Site** ————— **Online**

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

The Center for Professional Advancement

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