

BFCOA[®]
Building & Fire Code Academy
A Subsidiary of B&F Technical Code Services, Inc.

P.O. Box 957648
Hoffman Estates, IL 60195

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Knowledge—
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ROUTING

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- Inspectors
- Plan Review
- Administration
- Architect
- Developer
- Contractor
- File

Building Better With Our Greatest Resource...Education[®]



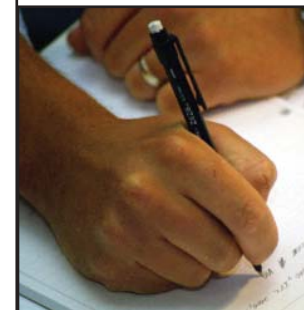
BFCOA[®]

Building & Fire Code Academy
A Subsidiary of B&F Technical Code Services, Inc.



2007 Spring Course Schedule

The Building & Fire Code Academy is committed to providing exceptional educational programs with knowledgeable and experienced instructors.



New 2006 Codes!

Educational Opportunities for Industry Professionals

Comprehensive Classes and Practical Education in the Administration, Application, and Enforcement of Building and Fire Codes

CONTINUING EDUCATION
BUILDING DEPARTMENT MANAGEMENT TRAINING SERIES
CODE ENFORCEMENT CAREER DEVELOPMENT PROGRAM

Building Better With Our Greatest Resource... Education[®]

Five Easy Ways to Register

PHONE: 847-884-4969 or 800-488-7057

FAX: 847-884-4722

MAIL: BFCA P.O. Box 957648
Hoffman Estates, IL 60195

E-MAIL: bfca@bfcacademy.com

ONLINE: www.bfcacademy.com

PAYMENT: Please enclose a check payable to BFCA with the registration form, or provide billing information on Page 15.
Please note that payment is due on or before the date of the class.



STUDENTS MUST BRING A COPY OF THE CURRENT APPLICABLE CODE TO CLASS.



IBC Course Reminder

See Page 4 for the new IBC class and fee schedules. Attend one day, or a group of days, it's up to you. To maximize your savings, register for the entire week and enjoy a significant savings.

New 2006 Update Classes

Understanding the 2006 Changes to the International Building Code®

This 1-day course will review the 2006 changes to the *International Building Code*. The code content, intent, and application for plan review and inspections will be discussed. The effect of these changes on the use and application of the code will be reviewed and explained. The interrelationships between the changes in the building code and the possible effects on other codes will also be discussed.

Required Text: 2006 International Building Code
Cost: \$160 for 1-day class
.6 CEUs/6 LUs

Dates and Locations:

Jan. 4, 07 BFCA
Jan. 30, 07 BFCA

Understanding the 2006 Changes to the International Residential Code®

This 1-day course is designed to highlight the significant changes in the *2006 International Residential Code*. Instructors will emphasize the intent and application of the changes and how the changes apply to the use and application of the code changes in reviews and inspections. Upon completion of the session, attendees will be able to identify the changes in the building, mechanical, electrical, and plumbing sections of the code.

Required Text: 2006 International Residential Code
Cost: \$160 for 1-day class
.6 CEUs/6 LUs

Dates and Locations:

Jan. 18, 07 BFCA

Understanding the 2006 Changes to the International Fire Code®

This 1-day course is designed as an introduction to the 2006 code changes to the public safety requirements of the *International Fire Code*. The new code requirements will be explained and the correlation between the fire code and building code will be highlighted. Through discussion and problem-solving exercises, students will develop an understanding of the intent and application of the code changes between the 2003 and 2006 edition of the codes.

Required Text: 2006 International Fire Code
Cost: \$160 for 1-day class
.6 CEUs/6 LUs

Dates and Locations:

Jan. 9, 07 BFCA

Building & Fire Code Academy®

Provides Private, Off-site Classes and Seminars for Code Industry Organizations and Companies throughout the United States



- ✓ Classes tailored to meet each customer's needs
- ✓ Private off-site classes and seminars
- ✓ Faculty & materials provided by BFCA
- ✓ Current course content or custom curriculum
- ✓ One class or a series of classes
- ✓ Academy classroom facilities available for rent
- ✓ Hot, catered lunches available for on-site classes
- ✓ Small or large groups
- ✓ Students receive CEU's or LU's

The Building & Fire Code Academy will provide the instructors, workbooks, and audio/visual equipment necessary to meet each customer's unique training needs at off-site locations. In addition, the Academy facilities are available for rental to private companies or organizations that need to educate their employees in a particular facet of their business. Hot, catered lunches can be arranged for classes held at the Academy. Multiple classrooms are available to accommodate small or large groups.

The Building & Fire Code Academy is an approved International Association for Continuing Education and Training (IACET) provider. All private class and seminar students receive Continuing Education Units (CEUs) or Learning Units (LUs).

800-488-7057 or 847-884-4969

B & F TECHNICAL CODE SERVICES, INC.

BUILDING & FIRE PROTECTION PLAN REVIEW

TRAINING • INSPECTIONS • CODE CONSULTING



www.bftechcs.com

800-232-5523

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Understanding the 2006 International Building Code®

This popular 5-day training series is intended for municipal inspectors and design professionals. The course provides comprehensive instruction and illustration on the use, application, intent, and rationale of the 2006 *International Building Code*, and is beneficial for gaining valuable skills and insight for plan review, inspections, and code application during the design process. The class utilizes in-class problem-solving exercises. **Required text: 2006 International Building Code**

Day 1

IBC Part I – Chapters 2, 3, 5, and 6

Definitions, use and occupancies, height and area, and construction types are topics covered.

Day 2

IBC Part II – Chapters 7 and 8

The second day is dedicated to understanding fire-resistive rated construction and interior finishes code requirements.

Day 3

IBC Part III – Chapter 10

Means of egress presents challenges to the code official and design professional. This session provides the participant with examples and problem-solving opportunities to develop understanding of the code requirements.

Day 4

IBC Part IV – Chapters 4 and 9

Special occupancies and fire protection code requirements are presented and discussed during this session.

Day 5

IBC Part V – Chapters 12, 14, 15, 17, 24, and 27-33

The final day reviews, illustrates, and explains the often-overlooked chapters of the IBC essential to the construction of a safe and healthy building.

Register for the entire week and realize a significant savings!

Attend one day, or a group of days, it's up to you!

FEE SCHEDULE:

1 day: \$160 / 2 days: \$255 / 3 days: \$360
4 days: \$460 / 5 days: \$550
.6 CEUs/6 LUs per day of attendance

International Building Code Plan Review

A 2-day program based on the 2006 edition of the *International Building Code*, this class features actual plan examination by the student with instructor guidance. Special blueprints depicting commercial buildings are used. Drawings include intentional errors and omissions to demonstrate the process of identifying code violations and oversights commonly found in construction documents. Students learn how to apply the code to difficult situations so they know when conditions do, or do not, meet the intent of the code. **Required text: 2006 International Building Code**

Cost: \$265 for 2-day program
1.2 CEUs/12 LUs

Dates and Location:	Jan. 24-25, 07	BFCA
	Mar. 14-15, 07	BFCA
	Mar. 21-22, 07	O'Fallon, IL
	Mar. 28-29, 07	Detroit, MI
	Apr. 18-19, 07	BFCA
	May 30-31, 07	BFCA

Understanding the 2004 Illinois Plumbing Code®

Understanding the Illinois Plumbing Code provides detailed explanations and a comprehensive look at the current edition of the *Illinois Plumbing Code*. You will examine complex areas of code compliance and discover logical and practical solutions to common application problems. You also will learn when and how to "make a judgment call" where the code is silent or appears ambiguous. You will be presented with situations, installations, law, definitions, and regulations. This course is on the list of classes approved by the Illinois Department of Public Health for continuing education for Illinois licensed plumbers and plumbing inspectors. Four-hour, topic-based classes are also available. **Required Text: 2004 Illinois Plumbing Code**

Cost: \$255 for 2-day class
1.2 CEUs/12 LUs

Dates and Locations

Jan. 9-10, 07	BFCA
Feb. 6-7, 07	BFCA
Mar. 6-7, 07	BFCA
Mar. 27-28, 07	BFCA
Apr. 3-4, 07	BFCA
May 8-9, 07	BFCA
June 5-6, 07	BFCA

TOPICAL COURSES

Cost for each 4-hour program: \$90
.4 CEUs/4 LUs
Friday courses: 11:30am - 3:30pm
Saturday courses 8:00 a.m. - noon

Definitions & General Regulations (750-057-C3)

Dates and Locations:	
Fri. Jan. 5, 07	BFCA
Sat. Jan. 6, 07	BFCA
Fri. Feb. 23, 07	BFCA

Vents & Venting (750-57-C7)

Dates and Locations:	
Fri. Jan. 12, 07	BFCA
Fri. Feb. 16, 07	BFCA
Sat. Feb. 17, 07	BFCA

Plumbing Fixtures (750-057-C1)

Dates and Locations:	
Fri. Jan. 19, 07	BFCA
Fri. Mar. 2, 07	BFCA

Drainage (750-057-C6)

Dates and Locations:	
Fri. Jan. 26, 07	BFCA
Sat. Jan. 27, 07	BFCA
Fri. Apr. 13, 07	BFCA
Sat. Apr. 14, 07	BFCA

Water Supply & Distribution (750-057-C5)

Dates and Locations:	
Fri. Feb. 2, 07	BFCA
Fri. Apr. 27, 07	BFCA
Sat. Apr. 28, 07	BFCA

Traps & Cleanouts (750-057-C4)

Dates and Locations:	
Fri. Feb. 9, 07	BFCA
Sat. Feb. 10, 07	BFCA
Fri. Mar. 16, 07	BFCA
Sat. Mar. 17, 07	BFCA

Intensive Course in Illinois Plumbing Code (750-057-C10)

Cost: \$255 for 2-day program
1.2 CEUs/12 LUs

Dates and Locations:	
Jan. 9-10, 07	BFCA
Feb. 6-7, 07	BFCA
Mar. 6-7, 07	BFCA
Mar. 27-28, 07	BFCA
Apr. 3-4, 07	BFCA
May 8-9, 07	BFCA
June 5-6, 07	BFCA

Required Text: 2004 Illinois Plumbing Code

Instructors Wanted

The Building & Fire Code Academy® is seeking professionals to share their great knowledge and teach the code.

To apply, send your resume to:
Dan Peterson
Manager of Training Services
P.O. Box 957648
Hoffman Estates, IL 60195
E-Mail: dpeterson@bftechcs.com
Phone: (847)884-4969

Instructors Wanted

CLASS SCHEDULE

<u>IBC I</u>	<u>IBC II</u>	<u>IBC III</u>	<u>IBC IV</u>	<u>IBC V</u>	<u>Location</u>
<u>Monday</u>	<u>Tuesday</u>	<u>Wednesday</u>	<u>Thursday</u>	<u>Friday</u>	
Jan. 8, 07	Jan. 9, 07	Jan. 10, 07	Jan. 11, 07	Jan. 12, 07	Atlanta, GA
Jan. 15, 07	Jan. 16, 07	Jan. 17, 07	Jan. 18, 07	Jan. 19, 07	BFCA
Feb. 5, 07	Feb. 6, 07	Feb. 7, 07	Feb. 8, 07	Feb. 9, 07	O'Fallon, IL
Feb. 12, 07	Feb. 13, 07	Feb. 14, 07	Feb. 15, 07	Feb. 16, 07	Detroit, MI*
Feb. 26, 07	Feb. 27, 07	Feb. 28, 07	Mar. 1, 07	Mar. 2, 07	BFCA
Mar. 19, 07	Mar. 20, 07	Mar. 21, 07	Mar. 22, 07	Mar. 23, 07	Allentown, PA
Mar. 26, 07	Mar. 27, 07	Mar. 28, 07	Mar. 29, 07	Mar. 30, 07	Harrisburg, PA
Apr. 9, 07	Apr. 10, 07	Apr. 11, 07	Apr. 12, 07	Apr. 13, 07	BFCA
Apr. 23, 07	Apr. 24, 07	Apr. 25, 07	Apr. 26, 07	Apr. 27, 07	Pittsburgh, PA
May 21, 07	May 22, 07	May 23, 07	May 24, 07	May 25, 07	BFCA
Monday-only Classes					
Jan. 15, 07	Jan. 22, 07	Jan. 29, 07	Feb. 5, 07	Feb. 12, 07	BFCA

* Approved for Michigan Building Code Continuing Education Credits.

Plumbing Code

Code Enforcement Career Development Program®

An exclusive innovation of the Building & Fire Code Academy, the *Code Enforcement Career Development Program® (CECDP)* develops knowledgeable building and fire code professionals who can easily step into a new career, or enhance their employment opportunities in municipal building departments and other code-related professions after completing this 11-week program.

PROGRAM HIGHLIGHTS:

- Students gain essential knowledge of single-family, commercial, and industrial construction codes.
- Students undergo skills training and develop an understanding of the application and enforcement of building and fire codes.
- Students learn plan review, inspection, and enforcement skills applicable to a variety of code-related professions.

- All course-related codebooks and workbooks are supplied.
- Qualified instructors with years of experience guide students through the challenging program and certification testing.
- Hot lunches catered during on-site classes.

WHO SHOULD ATTEND:

The Code Enforcement Career Development Program is an ideal choice for individuals desiring a career change from any occupational background. In addition, the CECDP is a skills enhancement opportunity for construction industry workers who are experiencing layoffs or who would like to segue into code enforcement employment opportunities. Former field tradespeople can learn a new skill or build on their current knowledge to remain in the construction field.

The CECDP provides a solid edu-

cational foundation and preparation for numerous related professions, such as:

- Municipal inspectors
- Plans examiners
- Insurance field inspectors
- Developers or design firm personnel
- Lending institution staff who verify construction progress and completion
- Corporate safety or construction department staff

The cost of the 11-week Code Enforcement Career Development Program will be determined based on enrollment. To obtain a detailed brochure on the CECDP program, or to arrange an interview, please call BFCA staff at 800-488-7057 or 847-884-4969.

Lodging: Special BFCA Student Rates available.

Special Topic Series

Understanding NFPA 472/Chapter 4 Competencies for the First Responder at the Awareness Level®

This 3-hour class outlines the requirements of NFPA 472, Chapter 4, which specifically covers the competencies for first responders at the awareness level responding to hazardous materials incidents. Attendees will be provided with examples and situations that demonstrate how to use the U.S. Department of Transportation's *Emergency Response Guidebook*. The guidebook is provided.

Cost: \$90 for 1/2-day class, 9:00 a.m. – 12:00 p.m. .3 CEUs/3 LUs

Dates and Locations:

Jan. 26, 07 **BFCA**
Apr. 27, 07 **BFCA**
Text provided

IBC – Chapter 11 – Accessibility Requirements ICC A117.1®

Chapter 11 of the *International Building Code* and ICC A117.1 provides the requirements for accessibility to buildings and sites. This class reviews Chapter 11 which details when and where accessibility is required. Also reviewed are requirements in A117.1 and how accessibility is achieved. The workbook and presentation provide illustrations showing how to comply with the code. Additional handicapped requirements in the code are reviewed.

Cost: \$255 for 2-day class 1.2 CEUs/12 LUs

Dates and Locations:

Jan. 30-31, 07 O'Fallon, IL
Mar. 8-9, 07 Savannah, GA
Apr. 24-25, 07 Detroit, MI
May 30-31, 07 Pittsburgh, PA
Required Text: 2006 International Building Code

Understanding Assembly Means of Egress®

Upon completion of this course, participants will be able to explain the different occupancy classifications in a place of assembly; calculate the occupant load in each area; locate specific code sections that provide requirements; understand the interrelationships between occupancy, number of occupants, and common path of travel to determine the means of egress. Students will be able to apply the code requirements to create a safe and code-compliant means of egress system.

Cost: \$160 for 1-day class .6 CEUs/6 LUs

Dates and Locations:

Jan. 3, 07 Savannah, GA
Jan. 16, 07 **BFCA**
Jan. 23, 07 Detroit, MI
Feb. 1, 07 O'Fallon, IL
Feb. 13, 07 Pittsburgh, IL
Apr. 10, 07 King of Prussia, PA
Apr. 17, 07 **BFCA**
May 22, 07 Harrisburg, PA

Required Text: 2006 International Building Code

Understanding the 2006 International Existing Building Code®

This 2-day course reviews and explains the different requirements of the 2006 *International Existing Building Code* based on the type of work being performed on an existing building. Covered are work classifications for repairs, level 1/2/3 alterations, changes of occupancy, historic buildings, and relocated buildings. Compliance alternatives are explained, including their impact on

assigned point values. Points are added to reach a score for fire safety, means of egress, and general safety. The points score is then applied to the mandatory safety score to determine code compliance. Similarities to the compliance alternatives section of the existing structures chapter in the *International Building Code* are explained.

Cost: \$255 for 2-day class 1.2 CEUs/12 LUs

Dates and Locations:

Jan. 9-10, 07 **BFCA**
Feb. 27-28, 07 Wilkes-Barre, PA
Apr. 10-11, 07 Detroit, MI
May 1-2, 07 O'Fallon, IL
May 8-9, 07 **BFCA**

Required Text: 2006 International Building Code 2006 International Existing Building Code

Understanding Building Department Basics®

Whether you are experienced technical staff, a new inspector, or non-technical support staff, the 2-day Understanding Building Department Basics course is essential for efficient operation of your department.

The person who has first contact with the public and initiates the municipal permit process is critical to a project's success. In assisting a citizen, contractor, developer, or architect, it is important that the building department staff understand the many functions of the building department. The basic functions and typical procedures of a building department are outlined; and types of regulations, including zoning, planning, building codes, and local ordinances are presented. This class will assist in developing skills needed to process citizen requests, plan submittals, and over-the-counter permits.

Cost: \$255 for 2-day class 1.2 CEUs/12 LUs

Dates and Locations

Jan. 20-21, 07 **BFCA**
Apr. 3-4, 07 **BFCA**

Required Text: 2006 International Building Code

Understanding the 2006 International Mechanical Code®

This class will improve your plan review, inspection, and design skills. The 2-day training course will provide you with basic and advanced concepts required to apply the *2006 International Mechanical Code*. Upon completion of the course you will have an understanding of the mechanical code and knowledge to use manufacturers' installation instructions and referenced standards to ensure code compliance.

Topics:

- Administration
- General Regulations
- Chimneys and Vents
- Ventilation and Exhaust
- Appliances
- Commercial Kitchen Exhaust
- Boilers and Water Heaters
- Duct Systems
- Refrigeration
- Combustion Air

Cost: \$255 for 2-day class 1.2 CEUs/12 LUs

Dates and Locations

Jan. 9-10, 07 Ann Arbor, MI
Feb. 14-15, 07 **BFCA**
Feb. 21-22, 07 Savannah, GA
Mar. 14-15, 07 Pittsburgh, PA
Apr. 4-5, 07 O'Fallon, IL
May 2-3, 07 **BFCA**
May 8-9, 07 Detroit, MI

Required Text: 2006 International Mechanical Code

Understanding the 2006 International Fuel Gas Code®

Understanding the 2006 International Fuel Gas Code has been expanded to a full 1-day course that will improve your knowledge and skills to conduct inspections and plan reviews. This training course covers basic and advanced concepts, principles, and applications required to understand and apply code requirements during field inspections, and when conducting plan reviews for the *International Fuel Gas Code*. A variety of pipe sizing and ventilation exercises will enhance the concepts being presented.

Cost: \$160 for 1-day class .6 CEUs/6 LUs

Dates and Locations:

Jan. 11, 07 Ann Arbor, MI
Feb. 16, 07 **BFCA**
Feb. 23, 07 Savannah, GA
Mar. 16, 07 Pittsburgh, PA
Apr. 6, 07 O'Fallon, IL
May 4, 07 **BFCA**
May 10, 07 Detroit, MI

Required Text: 2006 International Fuel Gas Code

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bfcacademy
.com

Understanding the 2006 International Residential Code®

Building - Chapters 1-10

This 3-day program is based on the 2006 *International Residential Code*, and covers the use and application of basic building planning requirements for wall, floor, ceiling, roof framing, and materials. In addition to the first 10 chapters of the code, students use a well-illustrated work-

book that provides examples of common code situations with practical problem-solving applications. Instructors will emphasize intent and rationale while working with difficult or unusual field situations, assisting students in identifying alternatives that satisfy the overall objective.

Cost: \$360 for 3-day class
1.8 CEUs/18 LUs

Dates and Locations

Feb. 5-7, 07 **BFCA**
Mar. 12-14, 07 **BFCA**
Apr. 30-May 2, 07 **BFCA**

Required text: 2006 International Residential Code

Mechanical - Chapters 13-24

This 1-day expanded class covers the mechanical requirements of the 2006 *International Residential Code*. The workbook illustrates the code requirements for the proper installation of mechanical systems in the building. Instructors explain code requirements for furnaces,

combustion air, gas piping, and proper installation of different types of residential appliances. In addition, time is given to venting and fuel gas requirements for residential mechanical systems. Students will work through calculations to determine code compliance for these systems.

Cost: \$160 for 1-day class
.6 CEUs/6 LUs

Dates and Locations

Feb. 8, 07 **BFCA**
Mar. 15, 07 **BFCA**
May 3, 07 **BFCA**

Required text: 2006 International Residential Code

Electrical - Chapters 33-42

Using practical examples, the basic requirements for a single-family electrical system, based on the electrical chapters of the 2006 *International Residential Code*, are explained. Electric service, grounding, circuit requirements, receptacle locations, and specific information on appliances is given, in addition to types of

electrical wiring systems. Students will perform a service calculation, size feeders and service conductors, learn about overcurrent protection requirements, and solve conduit-fill and box-fill problems. This 1-day course is designed for all students regardless of their previous level of electrical knowledge.

Cost: \$160 for 1-day class
.6 CEUs/6 LUs

Dates and Locations

Feb. 9, 07 **BFCA**
Mar. 16, 07 **BFCA**
May 4, 07 **BFCA**

Required text: 2006 International Residential Code

Plumbing - Chapters 25-32

The Plumbing Code class is based on the 2006 *International Residential Code*. The content of this 1-day class has been expanded to allow for a more detailed review of the code as it relates to residential plumbing systems. The course reviews requirements for drains, waste, vents, and

water systems. Description of the installation of equipment such as sinks, water closets, dishwashers, and specialized bathing appliances (spas) is provided. There will be opportunities for students to work through detailed problems in hands-on situations to determine code compliance.

Cost: \$160 for 1-day class
.6 CEUs/6 LUs

Dates and Locations

Feb. 12, 07 **BFCA**
Required text: 2006 International Residential Code

Plan Review

This 2-day course is designed to teach students how to perform plan reviews based on the 2006 *International Residential Code*. Instruction includes applicability of the code, building planning, room areas, heights and stairways, foundations and floors, as

well as wall and roof construction. Plans for different single-family homes and townhomes are used to illustrate the steps in performing plan reviews.

Cost: \$265 for 2-day class
1.2 CEUs/12 LUs

Dates and Locations

Feb. 14-15, 07 **BFCA**
May 9-10, 07 **BFCA**

Required text: 2006 International Residential Code

IRC Classes

New Training Opportunities

Understanding National Certification Exam Preparation & Test Strategies®

This new 1-day class is designed to assist in preparation for the National Inspector Certification exam. The class focuses on test-taking strategies and exam preparation. Whether you are preparing for other certification exams, such as residential, commercial, or property maintenance, this course is necessary to learn and apply test-taking strategies relative to successfully completing the certification exams.

Participants should have a basic working knowledge of the International Codes and should bring copies of the 2006 International Building Code, 2006 International Residential Code, and 2006 International Property Maintenance Code books to the class. Code knowledge will be reinforced, keys to the questions identified, correct code sections located, and application of questions will be examined to determine correct answers. The class will include a series of short quizzes to evaluate the student's test-taking skills and knowledge.

Cost: \$160 for 1-day class
.6 CEUs / 6 LU's

Dates and Locations

Feb. 20, 07 **BFCA**
Apr. 16, 07 **BFCA**
May 14, 07 **BFCA**

Required Text: 2006 editions of the International Building Code, Residential Code, and Property Maintenance Code

Understanding Basic Blue Print Reading®

In this new 1-day course, individuals will develop an understanding of basic blueprint reading through hands-on practice with real blueprints. Participants will learn to identify the various parts of a blueprint, including different types of symbols, abbreviations, drawings, and views. Students will be taught to move through multiple blueprint sheets to properly locate information.

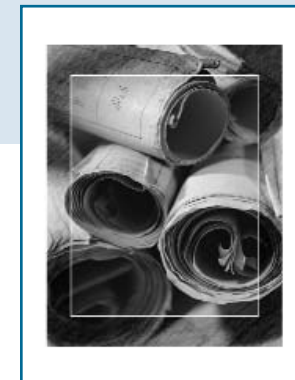
At the end of the class, participants will be able to differentiate between a plat of survey, a residential print, and a commercial plan. An introduction and review of the requirements of the Illinois Design Professional Act will be provided.

Cost: \$180 for 1-day class
.6 CEU's / 6 LU's

Dates and Locations

Apr. 9, 07 **BFCA**
May 18, 07 **BFCA**

Text & Training Materials provided



Understanding Special Hazards - Hoods, Ducts & Spray Booths®

New this term, this 1-day course provides a comprehensive review of the many regulations and concerns for the proper system design, operation, and installation of special hazards systems. Building, mechanical, and fire code requirements for the construction of these systems are explained and illustrated. The extinguishing system has specific design and installation requirements from the 2006 International Mechanical Code and applicable NFPA standards, and these nuances will be reviewed.

Special hazards systems require proper equipment, which has been tested and listed. Illustrations and examples are used to demonstrate how to determine if a product complies with the required tests. Catalog cuts and workbook illustrations of various types of equipment will be used to illustrate how to check for compliance.

Cost: \$160 for 1-day class
.6 CEUs / 6 LU's

Dates and Locations

Apr. 23, 07 **BFCA**
May 21, 07 **BFCA**

Required Text: 2006 International Building Code

Instructors Wanted

The Building & Fire Code Academy® is seeking professionals to share their great knowledge and teach the code.

To apply, send your resume to:
Dan Peterson, Mgr. of Training
P.O. Box 957648
Hoffman Estates, IL 60195
E-Mail: dpeterson@bftechcs.com
Phone: (847)884-4969

Understanding Legal Aspects of Code Administration®

Based on the 2002 edition of *Legal Aspects of Code Administration*, this 1-day course covers the terminology, concepts, and principles of legal issues that affect code officials in the administration of their duties. This course will assist the code official, architect, or contractor in understanding the legal concepts related to the model codes.

The distinction between local, state, and federal law, and the impact that each has on the establishment and enforcement of the model codes, will be addressed. The class will also focus on the three main law concepts that the code official encounters: administrative, constitutional, and property law liability. Further discussion will take place on Intentional and Negligent Wrongdoing and Immunities. **Required Text: 2002 Legal Aspects of Code Administration**

Cost: \$160 for 1-day class
.6 CEUs/6 LUs

Dates and Locations

Jan. 12, 07 O'Fallon, IL
Jan. 26, 07 Harrisburg, PA
Mar. 7, 07 **BFCA**
Mar. 30, 07 Ann Arbor, MI
Apr. 20, 07 Philadelphia, PA
Apr. 25, 07 **BFCA**
May 25, 07 O'Fallon, IL

Understanding the 2005 National Electrical Code®

The basics for understanding the electrical code are explained in this 1-day class. A practical explanation of basic electrical theory, and how the inspector uses this knowledge daily, is offered. A starting point for an electric plan review or inspection (Article 2: Wiring and Protection) is presented and includes basic electrical requirements such as definitions, clearances, working spaces, and terminology. The requirements for services, feeders, branch circuits, over-current protection, and grounding are also reviewed and explained.

Cost: \$160 for 1-day class
.6 CEUs/6 LUs

Dates and Locations

Jan. 23, 07 **BFCA**
Apr. 24, 07 **BFCA**
Required Text: 2005 National Electrical Code

Understanding Residential Swimming Pool Requirements®

Code officials spend considerable time on residential swimming pools at single-family residences. This 1-day seminar explains the many requirements for the pools based on the 2006 *International Residential Code*. The requirements for safety barriers, gates, door alarms, wiring methods, bonding, grounding, equipment location, light fixture installation, and clearances on all electrical equipment are reviewed. Also included are requirements for permanent pools, storage pools, spas, hot tubs, and hydromassage tubs.

Cost: \$160 for 1-day class
.6 CEUs/6 LUs

Dates and Locations

Jan. 10, 07 **BFCA**
Jan. 17, 07 Wilkes-Barre, PA
Mar. 8, 07 **BFCA**
Apr. 17, 07 Philadelphia, PA
May 9, 07 **BFCA**

Required Text: 2006 International Residential Code

Understanding the 2006 International Property Maintenance Code®

Development and implementation of a good property maintenance program reflects municipal government's commitment to the quality and representation of its community. Understanding the International Property Maintenance Code explains the philosophy, attitudes, and values surrounding property maintenance. The illustrated workbook utilizes drawings, problems, and photographs to demonstrate how code requirements support community preservation.

Inspection principles and techniques are provided to communicate the intent and rationale at the forefront of property maintenance. Minimum requirements for plumbing and mechanical systems are illustrated, in addition to basic fire safety requirements.

This class is ideal training for beginning code enforcement officials, enhancing the skills of existing inspectors, property managers, and those involved in real estate and assessment. Outlined are concepts and procedures for administration of property maintenance programs based on the experience and results of well-defined and poorly managed communities.

Cost: \$255 for 2-day class
1.2 CEUs/12 LUs

Dates and Locations

Jan 10-11, 07 O'Fallon, IL
Jan 24-25, 07 Harrisburg, PA
Feb. 22-23, 07 **BFCA**
Mar. 28-29, 07 Ann Arbor, MI
Apr. 5-6, 07 **BFCA**
Apr. 18-19, 07 Philadelphia, PA
May 23-24, 07 O'Fallon, IL

Required Text: 2006 International Property Maintenance Code

Design & Implementation of an Emergency Operation Plan

In 2003, the Department of Homeland Security released Presidential Directives 5 and 8 (HSPD-5 and HSPD-8) which state that in order to receive FY2006 Federal funding for preparedness efforts, each municipality must develop and implement an Emergency Operations Plan (EOP). These directives became effective on March 1, 2004.

EOPs define how a municipality will respond, and the terminology, procedures, and processes necessary. By using the EOP, the efforts of local, state, and Federal officials will be seamless and more effective.

Additionally, the level of national preparedness is increased because all emergency personnel are using a common set of procedures and language.

Some of the benefits of an EOP include:

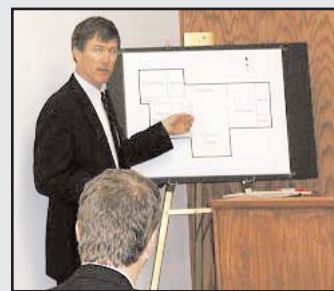
- An initial hazardous materials analysis
- A unified approach to incident management
- Standard command and management structures
- Preparedness emphasis
- Mutual aid
- Resource management

4-day course
9:00 a.m. - 4:00 p.m.
\$945.00



SESSION 1
Day 1 Mar. 14, 07
Day 2 Mar. 21, 07
Day 3 Apr. 4, 07
Day 4 Apr. 11, 07

SESSION 2
Day 1 May 9, 07
Day 2 May 16, 07
Day 3 May 23, 07
Day 4 May 30, 07



- 4-DAY COURSE OVERVIEW**
- **Day 1:** The basics of the National Incident Management System (NIMS)
 - **Day 2:** The Basics of Incident Command
 - **Day 3:** Basic design of an Emergency Operations Plan (logistics)
 - **Day 4:** Tying it all together. Role playing a table-top mock disaster

Students must attend all 4 classes in the session in which they enroll.

Understanding the 2006 International Zoning Code®

This 1-day class covers the terminology, concepts, and principles of the 2006 *International Zoning Code*. The *IJC* is a framework for the establishment of zoning ordinances and land use within a jurisdiction. Through use of real-life situations, examples, and case studies. This course will address the administration, land uses, district classifications, sign and conditional use designations of the zoning code. The 2006 *International Zoning Code* is also the basis for the International Code Council's Zoning Inspector Certification. Each student is expected to bring the 2006 *International Zoning Code* along with a copy of local zoning ordinance for comparison and discussion purposes.

Cost: \$160 for 1-day class
.6 CEUs/6 LUs

Dates and Locations

Jan 9, 07 **BFCA**
Mar. 20, 07 **BFCA**
May 15, 07 **BFCA**
Required Text: 2006 International Zoning Code

Understanding the 1997 Illinois Accessibility Code®

This 2-day class will assist the inspector, plan reviewer, or designer in the proper use and application of the 1997 *Illinois Accessibility Code*. The unique format of the class uses the code to clarify requirements, a workbook to illustrate requirements, and photographs to show what can go wrong. Sections of the code that will be covered include administration and applicability, definitions, application in new buildings, existing buildings, and during renovation.

Cost: \$255 for 2-day class
1.2 CEUs/12 LUs

Dates and Locations

Mar. 5-6, 07 **BFCA**
Required Text: 1997 Illinois Accessibility Code

800.488.7057

Understanding NFPA 101[®]

The first 10 chapters of the 2002 edition of the *Life Safety Code (NFPA 101)*, which provide the basic requirements used in other chapters, are reviewed in this 2-day class. They include administration, definitions, general requirements, performance-based options, occupancy classifications, means of egress, fire protection, building service equipment, and interior finishes. Case studies are used to illustrate the occupancy chapter requirements.

Cost: \$255 for 2-day class
1.2 CEUs/12 LUs

Dates and Locations

Jan 4-5, 07 **BFCA**
Apr. 11-12, 07 **BFCA**

Required Text: 2002 edition of the Life Safety Code (NFPA 101)

Fire-Resistive Construction Requirements[®]

Whether you design, review, inspect, install, or are responsible for ensuring your building meets code requirements, you must meet fire-resistive requirements. This 1-day training opportunity provides a comprehensive and detailed explanation of fire-resistive requirements as specified in the model building codes, and explains how to use the *UL Fire Resistance Directory*. Requirements for firewalls, separation assemblies, and shaft enclosures are covered. You will be able to determine requirements to protect use groups, fire areas, and multi-story buildings; locate specified designs in the *UL Fire Resistance Directory* for walls, floors, and roofs; and learn about UL's testing and certification process for fire-resistive assemblies. Valuable experience will be gained by actually using examples from the *UL Fire Resistance Directory*.

Cost: \$170 for 1-day class
.6 CEUs/6 LUs

Dates and Locations

Jan. 8, 07 **BFCA**
Jan. 18, 07 King of Prussia, PA
Mar. 13, 07 Pittsburgh, PA
Mar. 19, 07 **BFCA**
Apr. 17, 07 O'Fallon, IL
May 14, 07 **BFCA**

Understanding Fire Inspection and Code Enforcement[®]

This 2-day course is designed to train the fire inspector in the techniques and principles of fire prevention and inspection. Based on the 6th Edition of the *Fire Inspection and Code Enforcement* text, attendees will gain knowledge of fire prevention and prepare themselves for the Fire Inspector Certification test. The end result is a more knowledgeable inspector who will contribute to the professionalism of the department.

Cost: \$255 for 2-day class
1.2 CEUs/12 LUs

Dates and Locations

Jan. 16-17, 07 **BFCA**
Mar. 21-22, 07 **BFCA**
May 16-17, 07 **BFCA**

Required Text: Fire Inspection and Code Enforcement 6th edition

Understanding Fire Sprinklers[®]

Over the past 5 years, the fire sprinkler industry has grown by leaps and bounds, from the re-correlation of NFPA 13 to the development of specialty sprinklers in order to accommodate our ever-changing world and fire hazards.

This 2-day course begins with sprinkler code development, application of the codes, and understanding codes and definitions. Covered in detail are sprinkler components, classification of sprinkler commodities, sprinkler design densities, spacing of sprinklers and associated piping, hangers, and routing of piping. Information will be provided on water supplies for sprinkler systems and learning what options are available to the property owner, designer, and the authority having jurisdiction.

Cost: \$255 for 2-day class
1.2 CEUs/12 LUs

Dates and Locations:

Jan. 18-19, 07 **BFCA**
Apr. 19-20, 07 **BFCA**
Required Text: NFPA-13 2002 Installation of Sprinkler Systems

Understanding the 2006 International Fire Code[®]

Understanding the 2006 International Fire Code is necessary for building and fire inspectors. This 3-day class explains the intent and rationale for the fire code requirements, and the correlation between the fire code and building code. General requirements for fire prevention in a building include emergency preparedness, building features used by the fire department during an emergency, general precautions against fire, building services, interior finishes, and fire protection. The means of egress requirements enforced by the fire inspector are explained. The *2006 International Fire Code* outlines fire safety during construction, dry cleaning, flammable finishes, service stations, garages, and flammable liquids. Requirements for storage and/or uses of materials and processes are reviewed.

Cost: \$360 for 3-day class
1.8 CEUs/18 LUs

Dates and Locations

Jan. 3-5, 07 **BFCA**
Apr. 4-6, 07 **BFCA**
May 1-3, 07 Detroit, MI
May 15-17, 07 Pittsburgh, PA

Required Text: 2006 International Fire Code

Understanding the 2006 International Fire Code—Advanced[®]

This 2-day class is intended for experienced inspectors who are interested in advancing their skills with process and hazardous materials. Specific materials and processes, including the hazardous materials chapters, will be covered. The class will bring together participants' basic knowledge of the building and fire codes, and apply that knowledge to real situations to determine code compliance.

Cost: \$255 for 2-day class
1.2 CEUs/12 LUs

Dates and Locations

Jan. 11-12, 07 **BFCA**
Apr. 18-19, 07 **BFCA**
Required Text: 2006 International Fire Code

Building Department Management Training Series[®]

BFCA[®] has developed a new "Building Department Management Training Series." Classes have been designed for current code officials, administrators, elected officials, or inspectors who want to improve and enhance their management skills to further understand their role as the building department manager. This series of classes will also assist those individuals who are seeking to pursue their Certified Building Official or Code Official certificates.

Recommended Text: Building Officials Management Manual and Building Department Administration

Basic Building Department Management – Part I

Participants in this program will learn and develop an understanding of the principles and important components of managing a building department. This course will review basic management theory and leadership styles, and highlight types of department structures and responsibilities. The importance of establishing sound departmental policies and procedures related to the operation of the building department also will be covered.

Cost: \$160 for 1-day class
.6 CEUs/6 LUs

Date and Location

Jan. 29, 07 **BFCA**
Apr. 16, 07 **BFCA**

Fiscal Management

This 1-day program will provide an understanding of budgets, budget history, types of budgets, and the budget process. An understanding of the functions of a budget and how to use the budget as a management tool will also be covered. The relationship between management, elected officials, and citizens will be reviewed and discussed. Individual and group exercises will be used to review and understand revenues, expenditures, how to draft budgets, and how to efficiently and effectively flow through the budget process. Ideas will be presented for stretching and utilizing a budget to its full potential.

Cost: \$160 for 1-day class
.6 CEUs/6 LUs

Date and Location

Feb. 26, 07 **BFCA**
May 7, 07 **BFCA**

Basic Building Department Management – Part II

Part II of the Basic Building Department Management class will cover the interagency, legislative, and public communication areas of responsibility of the building department manager. This course will discuss the role the building department manager plays in the code adoption and amendment process, relationships with the various appeals boards and commissions, public information and awareness, and intergovernmental cooperation. The class will also cover some of the current state, federal, and third-party requirements and reporting that impact the building department manager.

Cost: \$160 for 1-day class
.6 CEUs/6 LUs

Date and Location

Feb. 12, 07 **BFCA**
Apr. 23, 07 **BFCA**

Human Resources for the Code Official

Key Human Resource issues related to effective administration of the building department will be examined in this 1-day class. The participant will be provided with an understanding and awareness of personnel management, effective supervisory practices, record-keeping, legal issues, and current trends in the Human Resources field.

Cost: \$160 for 1-day class
.6 CEUs/6 LUs

Date and Location

Mar. 26, 07 **BFCA**
May 21, 07 **BFCA**

Legal Aspects of Code Administration for the Building Official

Legal Aspects of Code Administration for the Building Official expands upon the legal issues covered in Understanding Legal Aspects of Code Administration. This 1-day class will provide an understanding of potential areas of litigation, liabilities, immunities, and defenses available to the building official. Review of case studies and real-life situations will allow a building official to identify potential risks, and be properly prepared to reduce the department's exposure to litigation.

Cost: \$160 for 1-day class
.6 CEUs/6 LUs

Date and Location

Mar. 5, 07 **BFCA**
May 14, 07 **BFCA**

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Today!**

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