

National Training School

Life Safety Code

Course Syllabus

August 2010

A. Course Description

This seven hour intensive classroom instruction, followed by a 1-hour examination, will provide a good foundation for those using the Life Safety Code as the basis for building design with respect to the fire protection requirements as well as for those with plan review and code enforcement responsibilities.

B. Overall Outline, Objectives, & Hours

The International Building Code Course has a total of seven (7) contact hours with one (1) hour for testing. The instructor must allow for a ten (10) minute break approximately every hour. Classes can be scheduled for longer contact hours but not for less than seven (7) contact hours. Subject areas will be covered as follows:

Module	Topics	Hours
1. Introduction	<ul style="list-style-type: none">Explain general information regarding ESA/NTS, course facilitation, materials and their intended use, and final exam.	.25 Hour
2. Overview	After successfully completing this module, the student will be able to: <ul style="list-style-type: none">Explain how information is presented and organized in NFPA 101 LSC (09')Define the terms and concepts found within the core chapters of LSC, chapters 1 through 10Describe the provisions contained in sub-section 3.4 found within each occupancy chapter; Detection, Alarm and CommunicationsDescribe the 12 occupancy classifications and where to locate their definitionsLocate and explain Multiple OccupanciesExplain the recommended method for handling code deviations and conflictsDescribe chapter 43, Building Rehabilitation	.25 Hour
3. Fire Alarm Systems	After successfully completing this module, the student will be able to: <ul style="list-style-type: none">Identify general requirements, signal initiation, smoke alarms and occupant notification provisions of section 9.6Describe requirements common to section 9.7, Automatic Sprinklers and other Extinguishing Equipment	.75 hour
4. Egress Control	After successfully completing this module, the student will be able to: <ul style="list-style-type: none">Describe general requirements and provisions of Chapter 7: Means of Egress that have a direct impact on Electronic Access Control systems And the Life Safety and Security industry	.75 Hour
5. Assembly Occupancies	After successfully completing this module, the student will be able to: <ul style="list-style-type: none">Describe general requirements and provisions of Chapter 12 and 13Explain the provisions contained in subsections which specify the fire alarm provisions for this occupancy class and/or it's sub-classes; General provision, Initiation, Notification, Detection, Emergency Forces Notification and Fir safety Control Functions.	.75 hour

6. Education Occupancies	After successfully completing this module, the student will be able to: <ul style="list-style-type: none"> Describe details of the general requirements and provisions of Chapter 14 and 15 Explain the provisions contained in subsections which specify the fire alarm provisions for this occupancy class and/or it's sub-classes; General provision, Initiation, Notification, Detection, Emergency Forces Notification and Fire safety Control Functions. 	.75 Hour			
7. Day care Occupancies	After successfully completing this module, the student will be able to: <ul style="list-style-type: none"> Describe details of the general requirements and provisions of Chapter 16 and 17 Explain the provisions contained in subsections which specify the fire alarm provisions for this occupancy class and/or it's sub-classes; General provision, Initiation, Notification, Detection, Emergency Forces Notification and Fire safety Control Functions. 	.75 Hour			
8. Residential	After successfully completing this module, the student will be able to: <ul style="list-style-type: none"> Describe details of the general requirements and provisions of Chapter 28 and 29 Explain the provisions contained in subsections which specify the fire alarm provisions for this occupancy class and/or it's sub-classes; General provision, Initiation, Notification, Detection, Emergency Forces Notification and Fire safety Control Functions. 	.75 hour			
9. Institutional Occupancies	After successfully completing this module, the student will be able to: <ul style="list-style-type: none"> Describe details of the general requirements and provisions of Chapter 12 and 13 Explain the provisions contained in subsections which specify the fire alarm provisions for this occupancy class and/or it's sub-classes; General provision, Initiation, Notification, Detection, Emergency Forces Notification and Fire safety Control Functions 	.75 Hour			
10. Other Occupancies	Includes a matrix listing the classes and the various measurable of each <ul style="list-style-type: none"> Detention and Correctional Occupancies Apartment Building Occupancies Lodging or Rooming House Occupancies Board and Care Occupancies Mercantile Building Occupancies Business Occupancies Industrial Occupancies Storage Occupancies 	.75 Hour			
11. Comparison of LSC to IBC	Includes a detailed discussion on the matrix presented in the previous module and the lateral sections in the Life Safety Code	.5 hour			
	<table border="1"> <tr> <td>IBC</td> <td>LSC</td> </tr> <tr> <td> <ul style="list-style-type: none"> Factory/Industrial Hazardous Mercantile Storage Utility </td> <td> <ul style="list-style-type: none"> Ambulatory Detention and Correctional Two-Family Homes Apartments Residential Board and Care Mercantile </td> </tr> </table>	IBC	LSC	<ul style="list-style-type: none"> Factory/Industrial Hazardous Mercantile Storage Utility 	<ul style="list-style-type: none"> Ambulatory Detention and Correctional Two-Family Homes Apartments Residential Board and Care Mercantile
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	Final Examination	1 Hour			
TOTALS		8			

C. Guidelines

The course shall be present in accordance with the most recently adopted NTS Administrative & Operational Guidelines. Students with special needs shall be accommodated as required by law and specified in the National Training School Policy Concerning Students with Special Learning/Examination Needs.

D. Method of Presentation

1. Lecture

The instructors shall present the material following the instructor guide and the slide presentation combined with question and answers throughout the course to verify and reinforce comprehension and relate the material to the students particular needs.

2. Audio Visual Aids

- Slide presentation (slide projector or computer driven monitors).
- Reference book.

E. Method of Evaluation

1. Written examination.
2. Successful completion of workshop exercises.

F. Qualification of Instructors

Our program succeeds through individual instruction in the art of teaching by experienced instructors, essentially a train the trainer concept. The course instructors shall include at least one NTS Certified Instructor or a Senior Instructor, and an instructor appointed by the NTS director of education and known by the director to be both knowledgeable of the course material and able to present it in a professional manner.

Note: The times given are approximate. The instructor must allow for a 10 minute break approximately every hour. Classes can be scheduled for longer contact hours but not for less than 7 contact hours, plus the one hour exam.