

# FIRE SCIENCE

## LONG BEACH CITY COLLEGE Curriculum Guide for Academic Year of 2010-2011 Certificate of Achievement and/or Associate in Science

ALL INFORMATION CONTAINED HEREIN IS SUBJECT TO CHANGE WITHOUT NOTICE.

For possible updates to this guide please refer to the following website: <http://osca.lbcc.edu>

### CAREER OPPORTUNITIES



Students are educated and trained in the technical fields relating to fire and safety practices. This program also provides partial lower division preparation for the baccalaureate degree in this field.

This Certificate of Achievement will prepare students for entry to a fire academy and for an entry-level position in private and public fire-related occupations.

This Associate Degree will prepare students for entry to a fire academy and for career advancement for those already employed in a fire-related industry.

### DEPARTMENTAL ADMISSION REQUIREMENTS

None. For more departmental information call (562) 938-4338.

	Students pursuing an Associate Degree for this field of concentration need to select from specific courses in general education disciplines. For a complete listing of courses or disciplines, refer to the Associate Degree information section of this guide OR view the guide online at <a href="http://osca.lbcc.edu">http://osca.lbcc.edu</a> .	
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### REQUIRED COURSES

### UNITS

#### CORE

			In Progress	Completed Grade
FIRE 1	Fire Protection Organization (F, SP)	3		
FIRE 2	Fire Prevention Technology (F, SP)	3		
FIRE 3	Fire Protection Equipment & Systems (formerly Fire 4) (F, SP)	3		
FIRE 4	Building Construction (formerly Fire 58) (F, SP)	3		
FIRE 5	Fire Behavior & Combustion (F, SP)	3		
<b>Subtotal Units</b>		<b>15</b>		

**Select NINE (9) units from the following courses:**

FIRE 6A,B	Fire Command 1A -1B (SP)	2:2		
FIRE 7A,B, C	Fire Prevention Officer 1A-1B-1C (S)	2:2:2		
FIRE 10A,B	Fire Instructor 1A -1B (F)	2:2		
FIRE 16A,B	Fire Investigator 1A -1B (F)	2:2		
FIRE 26A	Command 2A	2		
FIRE 26B	Command 2B	2		
FIRE 40	Fire Management 1 (SP)	2		
FIRE 42A	Fire Management 2A	2		
FIRE 42B	Fire Management 2B	2		
FIRE 53	Fire Hydraulics (INF)	3		
FIRE 54	Hazardous Materials 1 (F)	3		
FIRE 57	Intro. To Tactics and Strategy	3		
FIRE 58	Intro. to Fire Company Administration (SP)	3		
FIRE 60	Fire Investigation 1 (SP)	3		
FIRE 61	Rescue Practices (INF)	3		

See next page for additional courses for possible electives.

**Additional Possible Electives**

		<b>UNITS</b>	In Progress	Completed Grade
FIRE 62	Fire Apparatus & Equipment (F)	3		
FIRE 64	Hazardous Materials 2 (SP)	3		
FIRE 65	Fundamental of Fire Safety (INF)	3		
FIRE 240AD	Fire Fighter Physical Ability	.5		
FIRE 242C	Fire Management 2C	2		
FIRE 250	Basic Fire Service Training (INF)	9		
FIRE 271AD or 272AD or 273AD	Work Experience – Fire Science	2:2 or 3:3 or 4:4		
FIRE 400A-F	Special Topics in Fire Science	1 - 5		
♦ EMT 251 & 251L	Emergency Medical Tech. AND Lab (One semester) (F,SP)	4.5		
PUBAD 1	Introduction to Public Administration	3		
<b>Subtotal Units</b>		<b>9</b>		
<b>TOTAL UNITS</b>		<b>24</b>		

**Possible Electives:**

**Note:** Any 200, 300 OR 400 band course in Fire Science can be applied as an elective to a degree or certificate.

**LEGEND**

♦ Students who complete this instruction as a portion of a basic academy, may use those credits to satisfy this requirement.  
 (SP = Spring) (S = Summer) (F = Fall) (INF = Infrequently) = Represents general frequency of course offering

**GRADUATION REQUIREMENTS**

**For CERTIFICATE OF ACHIEVEMENT:**

This certificate is a one to two year program in occupational/technical areas at Long Beach City College which provide training in job skills and employment opportunities. Complete the required units listed above with a minimum grade of "C" in each course. Fifty percent (50%) or more of the unit requirements for this field of concentration must be completed in residence (credit earned by exam, where applicable, may be included).

**For ASSOCIATE DEGREE:**

The Associate Degree is a two-year college degree awarded by Long Beach City College that includes general education courses and a major. In addition to the requirements for this Certificate of Achievement, complete the A. A. degree requirements specified in the Catalog. The requirements for general education/proficiency and the field of concentration need to be from the same catalog year. This catalog year may be any year between the year of initial enrollment to the present, provided continuous enrollment is maintained throughout (see the catalog for definition of "continuous enrollment"). Fifty per cent (50%) or more of the unit requirements for this field of concentration must be completed in residence (credit earned by exam, where applicable, may be included).



**RECOMMENDED** for the Social Sciences requirement:

Public Admin 1 (Introduction to Public Administration)



**RECOMMENDED** for the Health Education requirement:

Health Education 2 (Introduction to Health Education)

**NOTE:** To receive a certificate or degree you must submit completed application forms in the Admissions and Records Office during your final semester of course work.

In general, "double-counting" is not allowed. That is, one course may not be used to fulfill both a field of concentration requirement and to fulfill a general education requirement.

## SUGGESTED SEQUENCE OF COURSES

This is not an educational plan, as course offerings, student schedules, and circumstances vary. Students must meet all the prerequisites in order to be eligible for the sequence of courses.

A suggested full-time sample sequence of courses for the required 60 units to reach an Associate Degree includes:

### **First Semester**

ENGL course	3 Units
FIRE 1	3
FIRE 3	3
G.E. Course	3-5
G.E. Course	3-5
<b>Semester Total</b>	<b>15-19 Units</b>

### **Second Semester**

FIRE 2	3 Units
FIRE 4	3
G.E. Course	3-5
G.E. Course	3-5
<b>Semester Total</b>	<b>12-16 Units</b>

### **Third Semester**

FIRE 5	3 Units
MATH Course	3
FIRE Elective	3
G.E. Course	3-5
G.E. Course	3-5
<b>Semester Total</b>	<b>15-19 Units</b>

### **Fourth Semester**

EMT 251	3 Units
EMT 251L	1.5
G.E. Course	3-5
G.E. Course	3-5
<b>Semester Total</b>	<b>10.5-14.15 Units</b>

***Students interested in transferring to a university to continue their study in this field of concentration or other majors are strongly advised to consult an LBCC academic counselor and refer to the ASSIST website ([www.assist.org](http://www.assist.org)) for major preparation information. Counselors can clarify the different major and admissions requirements at a university. Students may visit the Student Success/Transfer Services Center to access further educational resources. If you need to set up an appointment to see a counselor or schedule the SOAR Test, call LAC (562)938-4561 or PCC (562)938-3920.***