

# **Fire Fighter I Academy Certificate of Achievement**

## **Item 1. Program Goals and Objectives**

The Fire Fighter I Academy Certificate of Achievement is designed to meet the training and educational requirements established by the State Fire Marshal's Office for Fire Fighter I certification. The program will prepare students for the national registry exam and certification as a California State Emergency Medical Technician. After successful completion of this certificate, students will be authorized to take the National Registry EMT examination.

Upon completion of the following courses with a grade of 'C' or better in each course, students will be awarded a Fire Fighter I Academy Certificate of Achievement.

Career Subject Area: Firefighting

Career Opportunities: Fire Service

### **Program learning outcomes**

1. Perform skills that meet National Fire Protection Association Standard 1001 for Fire Fighter and California State Fire Marshal Standards for Fire Fighter.
2. Demonstrate written and verbal communication skills required for entry-level fire fighter positions.
3. Analyze emergency and hazardous conditions that are inherent to the firefighting profession.

## **Item 2. Catalog Description**

The Certificate of Achievement, Fire Fighter I Academy is designed to meet the training and educational requirements established by the State Fire Marshal's Office for Fire Fighter I certification. The program will prepare students for the national registry exam and certification as a California State Emergency Medical Technician. After successful completion of this certificate, students will be authorized to take the National Registry EMT examination.

Upon completion of the following courses with at least a "C" grade in each course, a student will be awarded a Certificate of Achievement in the Firefighter I Academy.

Total Units: 22.5

### **Program learning outcomes**

1. Perform skills that meet National Fire Protection Association Standard 1001 for Fire Fighter and California State Fire Marshal Standards for Fire Fighter.
2. Demonstrate written and verbal communication skills required for entry-level fire fighter positions.
3. Analyze emergency and hazardous conditions that are inherent to the firefighting profession.

## **Item 3. Program Requirements**

FIRE B64	State Firefighter I Academy	15 units
<b>OR</b> FIRE B62	Firefighter I Academy	12.5 units
<b>AND</b>		
FIRE B72h	Emergency Medical Technician	7.5 units
<b>OR</b> EMTC B50	Emergency Medical Technician I	8 units
		20 - 23 units total

The courses can be taken out of order. If students take these courses in the following sequence, they can complete the program in one year (two semesters):

1. Fire B72h **OR** EMTC B50 taken in fall of year 1.  
(with a "C" or higher grade.)
2. Fire B64 **OR** B62 taken in spring of year 1.  
(with a "C" or higher grade.)

Total Units: 20 – 23 units

This Career Technical Education certificate was developed with advice and consultation of the Fire Technology Advisory committee.

#### **Item 4. Master Planning**

There is currently no Fire Fighter I certificate at Bakersfield College. The program is designed to prepare students in a timely manner for entry-level positions in the fire service fields.

There are no similar Fire Fighter I certificate programs offered in the Kern County area.

The certificate ties directly to the Bakersfield College Educational Master Plan 2011-2014: "Mission - Bakersfield College is committed to providing excellent learning opportunities in basic skills, Career/Technical Education, and transfer courses for our community so that our students can thrive in a rapidly changing world." (page 8, Bakersfield College Educational Master Plan, 2011-2014)

#### **Kern County Employment by Fire Fighter**

**The certification they receive will make them marketable for anywhere in the state, not just kern county.**

Source: Labor Market Information, California and Kern County Projections by Industry 2012-2022. Prepared Oct. 29, 2014; analysis by <file:///C:/Documents%20and%20Settings/tcapehar.BC/Local%20Settings/Temporary%20Internet%20Files/OLK72/Occupation%20Profile%20California%20LaborMarketInfo.htm> and Tim Capehart, (page 17, Bakersfield College Educational Master Plan, 2011-2014)

Recipients of this certificate will work in positions needed in California, Kern County and Bakersfield City in the "Fire Service Field" area, as seen in the chart below, but could take the certification state wide.

Fire Fighters, California, 2012 – 2022/2015

Estimated employment: 28,700/830

Projected: 30,500/830

Employment change: #1,800/0

6.3% increase/0

Average annual openings: 7,800/50

## Fire Fighters Estimated Employment and Projected Growth

<b>Geographic Area (Estimated Year-Geographic Projected/Area/Year</b>	<b>Estimated Employment</b>	<b>Projected Employment</b>	<b>Numeric Change</b>	<b>Percent Change</b>	<b>Additional Openings Due to Net Replacements</b>
California 2012/2022	28,700	30,500/830	1,800	6.3	7,800
Kern County/Bakersfield City  2012/2015	830	830	50	0	(50 total) 30 for county, and 20 for city. For 2015 only.

### Item 5. Enrollment and Completer Projections

Keep in mind these numbers reflect both EMT and Fire Academy students.

<b>Spring 2018</b> B64 2 sections B72h 2 section	<b>Fall 2017</b> B64 2 sections B72h 2 section	<b>Spring 2016</b> B64 2 sections B72h 2 section	<b>Fall 2015</b> B64 2 sections B72h 2 section
Enrollment students 125 Retention students 115 Success students 115	Enrollment students 115 Retention students 105 Success students 105	Enrollment students 110 Retention students 100 Success students 100	Enrollment students 100 Retention students 90 Success students 90

	<b>2013/2014</b>	<b>2012/2013</b>
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Bakersfield College Fire Technology courses	FIRE B64 FIRE B72h	Annual # Sections	Annual Enrollment Total	Annual # Sections	Annual Enrollment Total
		4	100	4	99

### Labor market information

Labor Market Information & Analysis (CTE only) – State of California Employment Development Department

<http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/occExplorerQSDetails.asp?careerID=&menuChoice=&geogArea=0601000000&soccode=332011&search=Explore+Occupation>

The screenshot shows the 'Occupation Profile' page for Fire Fighters (SOC Code: 33-2011) in California. The page includes a navigation menu with options like Home, Unemployment, Disability, Jobs & Training, Payroll Taxes, and Labor Market Info. Below the navigation, there is a section for 'Occupation Profile' with a description of the job and a 'Change Occupation' button. Two data tables are displayed:

Area	Year	Period	Hourly Mean	Hourly by Percentile		
				25th	Median	75th
California	2014	1st Qtr	\$34.70	\$25.30	\$33.49	\$43.98

  

Area	Estimated Year-Projected Year	Employment Estimated	Employment Projected	Number	Employment Change Percent	Annual Avg Openings
California	2012 - 2022	28,700	30,500	1,800	6.3	970

Since we are accredited by the California State Fire Marshal our students can test for jobs anywhere in the state, so I have chose to do the job market survey on all of California, instead of just Kern County.

### Item 6. Place of Program in Curriculum/Similar Programs

Students who complete our current academy course are issued a certificate through the State Fire Marshal. This program will allow Bakersfield College to issue a certificate, and receive recognition for providing the training. Students who complete this academy will receive both the certificate of achievement from Bakersfield College and the State Fire Marshal certificate.

**Item 7. Similar Programs at Other Colleges in Service Area**

Bakersfield College was the first to offer a Fire Fighter I Academy, and the only academy in the Kern Community College District service area for many years. Porterville College currently offers this program. While they are part of our district, they service a different county.

**See last page for list of Advisory Committee Members.**

## Student Education Plan (SEP) Pathway

**Goal:** develop a pattern of courses including both major and general education courses for college-ready students earning their degree in 2 years.

**Pathway Guidelines:**

1. Create a pattern of course-taking for a full-time student (12-16 units per semester=60 units total).
2. Start the pathway at college level. Academic Development will create a pathway for underprepared students.
3. Research demonstrates that students who complete their English and Math first are more successful.
4. Be sure the order of the coursework includes prerequisites taken at appropriate times.
5. Consider a balance between major courses, general education courses and easy versus hard courses.

**Degree** \_Fire Fighter 1 Academy Certificate of Achievement AA AS AA-T AS-T COA>18 units COA<18 units JSC

**GE Pathway:** IGETC (UC pathway) CSU Breadth BC Gen Ed (Certificates and Job Skills do not need General Education)

**Step 1:** Enter major courses by name and number.

**Step 2:** Choose appropriate GE courses fulfilling the GE pathway indicated above by course name, number, and category the course fulfills.

First Semester	Gen Ed	Units
EMTC B50		8
or		
Fire B72H		8
<b>Total</b>		<b>8</b>

Second Semester	Gen Ed	Units
Fire B62		12.5
or		
Fire B64		15
<b>Total</b>		<b>12.5 - 15</b>

Third Semester	Gen Ed	Units
<b>Total</b>		<b>0</b>

Fourth Semester	Gen Ed	Units
<b>Total</b>		<b>0</b>

Faculty Lead for Pathway: Tim Capehart Student Affairs Lead for Pathway: Dinorah Castro  
 Department approval date 10-28-15

### **Fire Fighter I Academy COA**

1. List of Advisory Committee members including name, title and affiliation
  - a. Bill Ballard, Training Chief Officer, City of Bakersfield Fire Department
  - b. Tyler Hartley, Deputy Chief Officer, City of Bakersfield Fire Department
  - c. Charles Truvillion, Training Chief Officer, County of Kern Fire Department
  - d. Mike Cody, Deputy Chief Officer, County of Kern Fire Department
  - e. Cindy Collier, Fire Technology Program Dean, Bakersfield College
  - f. Tim Capehart, Director Fire Technology/EMS, Bakersfield College

### **Executive Chief Fire Officer COA**

1. Enrollment and Completer Projections  
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2. List of Advisory Committee members including name, title and affiliation
  - a. Trever Martinusen, Training Chief Officer, City of Bakersfield Fire Department
  - b. Tyler Hartley, Deputy Chief Officer, City of Bakersfield Fire Department
  - c. Charles Truvillion, Training Chief Officer, County of Kern Fire Department
  - d. Mike Miller, Deputy Chief Officer, County of Kern Fire Department
  - e. Cindy Collier, Fire Technology Program Dean, Bakersfield College
  - f. Tim Capehart, Director Fire Technology/EMS, Bakersfield College



11-14-14

## Minutes of the 10-21-14 Advisory Board Meeting Agenda

Members present: KCFD BC, Travillon, City BC, Ballard, Janet Mason, Tim Capehart

Members absent: KCFD Deputy Chief Cody, BFD Deputy Chief Hartley

1. Review and vote to accept the minutes of the previous meeting.

A vote was taken and passed unanimously to accept the minutes of the last meeting.

2. Go over the budgets. Both ODFT budgets were provided and reviewed; Janet asked if we could cc her when Karen generates future purchase orders.

I agreed and ask Karen to do this for all future PO's.

3. Should Blake Abbot receive his F/F I Academy certificate?

This was discussed by both city and county training Chief's and myself. It was decided to give him the F/F I academy certificate (vote passed unanimously). I called him and advised him it was ready for him to pick up.

4. The use of Evals in the new SFM Academy I showed a video of this new product that was used in the Serria College/SFM F/F I pilot program this past spring semester. The tablets were used to document future skills testing.

The decision was made to table the purchase and continue using the manual forms.

5. Discuss classes with crn#

We have CRN# waiting for students add slips. I picked up some, more to come.

6. Discuss class request.

We need to keep in mind that it takes two to three weeks to obtain a CRN#.

7. Discuss the need for additional certificate programs. More and more each year it appears as those the State Chancellors office is tying program success to how many certificates or degree's a college issues. The Fire Technology program already issues a large amount of SFM certificates.

In an effort to meet this college need the advisory board agreed and voted to approve the following certificates: F/F I academy, EMT, and Wildland F/F (vote passed unanimously).

8. Discuss purchase of new turnouts for student F/F 1 academy.

The purchase of new turnouts for the student firefighter I academy was discussed. Chief Ballard brought up that the turnout life per NFPA standard was ten years. Some of our turnouts are quickly nearing expiration. A vote was taken and It was agreed upon to replace the turnouts. I obtained a price quote from LN Curtis to replace them at a cost of \$70,000. I will work on two more quotes and bring back to the board for a decision on which vender we will go with and a final cost.