



California State University, Los Angeles  
College of Engineering,  
Computer Science, and Technology

# Fire Protection Administration

*Bachelor of Science Degree Program*



*Working Together Toward Building Your Future . . .*

# 911 Means You

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**F**ire Protection Administrators command fire-fighting operations, from prevention to arson investigations. They are problem-solvers who are critical to the reduction in loss of life as well as damage to property and the environment during major fire incidents.

***In this career, I can:***

- Manage the day-to-day operations of a fire department
- Assess the fire danger in high-risk regions
- Investigate suspicious blazes for arson
- Improve firefighter safety
- Assist property owners in reclaiming financial losses
- Teach children and communities how to prevent fires

***Who hires fire protection administrators?***

Every city, county and state government agency, as well as the U.S. Forest Service, has a stake in fire safety and prevention. The demand for fire protection administrators is so high that career opportunities are limitless. Administrators find jobs in both the public and private sector, serving as fire prevention specialists and educators, fire chiefs, insurance claims adjusters, arson investigators, even consultants to government committees that direct fire protection.

***Samples of minimum to median annual base salaries:***

- Fire Chief ..... \$52,700
- Fire Prevention Supervisor ..... \$44,830
- Battalion Chief ..... \$45,300

*Source:* Occupational Outlook Handbook, 2000-2001 Edition





**Laura Mapes**  
Fire Marshall/Division Chief  
Union City, California Fire Department

*When I started my job, I faced the challenge of building a fire prevention bureau from scratch. My education at Cal State L.A. gave me the ability to develop creative solutions to complicated and/or technical situations that I now encounter on a daily basis. The unique combination of engineering, management and public administration classes also helped broaden the skills I needed to succeed in such a dynamic fire service career. Thanks to the knowledge gained from teaching professionals with a wide range of backgrounds, I am now a member of a respected and effective management team.*



**Mel Hokanson**  
Assistant Fire Chief  
Los Angeles County Fire Department

*As an assistant fire chief in charge of 260 firefighters and 16 fire stations in nine cities, leadership and people skills are critical. My education at Cal State L.A. helped prepare me for my career by teaching me about administrative and government operations. Earning a degree in Fire Protection Administration has been crucial to my success.*

# Fire Protection Administration at Cal State L.A.

## What will I learn?

The Fire Protection Administration program leading to a bachelor's degree offers courses in areas such as:

- Fire Defense Planning
- Fire Disaster Administration
- Fire Prevention Administration
- Fire Protection and the Community
- Fire Protection Systems
- Interpretation and Enforcement of Building Codes
- Technological Aspects of the Urban Environment

You will gain outstanding knowledge in this major through hands-on experience as well as small classes taught by award-winning faculty, who work closely with students to ensure their success. By keeping in contact with government and municipal organizations, professors are also up-to-date on the latest fire protection information and technology.

## Labs and facilities

The College of Engineering, Computer Science, and Technology labs are state-of-the-art and offer the newest equipment available. Our computer labs feature the latest computer hardware and industry-standard software for technology applications. The distance-learning classrooms allow students and faculty to expand their educational opportunities through web-based classes.

## What's the cost?

Cal State L.A. offers an education that rivals any other institution on the West Coast. No other university offers better labs for undergraduates, more one-on-one time with faculty or better connections with industry.

Cal State L.A. also offers the most affordable Fire Protection Administration degree program in California, with fees averaging less than \$2,000 per year! In addition, financial aid and scholarships are readily available. More than 50% of Cal State L.A.'s student body receives an average financial aid award of approximately \$4,000 yearly. Our Outreach Coordinator will help you explore your scholarship and educational support options. Call (323) 343-4550/4500 or e-mail [tech@calstatela.edu](mailto:tech@calstatela.edu).

Photo courtesy of the Union City Fire Department



### ***Finding career success before and after graduation***

Fire Protection Administration graduates from Cal State L.A. quickly find rewarding jobs upon graduation. Why?

One reason is that Cal State L.A. students have access to a variety of internship opportunities. Another reason is that our faculty maintain close ties to the fire protection industry in both the public and private sector. In return, these employers are familiar with our curriculum and our students, thus they enthusiastically recruit and hire our graduates.



Our internship partners and hiring companies include:

California Division of Forestry  
City and County of Los Angeles  
City of Alhambra  
City of Arcadia  
City of Burbank  
City of Long Beach  
City of Monrovia  
City of Montebello  
City of Monterey Park  
City of San Gabriel  
City of Santa Fe Springs  
Fountain Fire Protection, Inc.  
Jet Propulsion Laboratory  
Master Fire Protection, Inc.  
Sony Picture Studios  
Standard Oil, El Segundo  
Universal Pictures  
U.S. Forest Service



**Peter Bryan**

Fire Department Chief Officer  
Rancho Cucamonga Fire District

*Meeting Rancho Cucamonga's fire service needs continues to be one of the greatest challenges of my job. The variety of emergencies that we respond to expands in type and complexity annually. Learning from various working fire service professionals, building department managers and the business education department has been one of the greatest benefits of my education at Cal State L.A. My Fire Protection Administration degree has also afforded me an advantage over the other candidates during the promotion process.*

### **The Department of Technology faculty**

Members of the faculty at Cal State L.A.'s Department of Technology have earned doctoral and professional degrees from such institutions as Indiana State University, Iowa State University, Ohio State University, University of California, Los Angeles, and the University of Southern California. They maintain strong ties to industry and provide consulting services to national and international corporations and organizations. Recognized by their profession and the University for excellence in teaching, research and service, the Department of Technology faculty are among the most productive and experienced educators in the state of California.

### **Highlights of excellence**

- Program Review Board has declared the Cal State L.A. Department of Technology as one of the best programs in the nation.
- Approximately \$1 Million in research and training grants, which provide undergraduates with real-life, hands-on experiences.
- Two faculty members have received the President's Award/University Division and Outstanding Professor of Industrial Technology honors from the National Association of Industrial Technology.
- Two faculty members honored as Outstanding Professors of the Year by College of Engineering, Computer Science, and Technology.
- Faculty member named as one of the Outstanding People of the 20th Century and International Man of the Year.
- Faculty have published nine textbooks and 103 papers over the past five years.
- Two faculty members have served as presidents of the California Industrial and Technology Education Association (CITEA).
- Several faculty members have served on the boards of directors for various California educational and industry-related organizations.



### **Richard Beckman**

Fire Battalion Chief  
City of San Gabriel Fire Department

*In my job, I have the opportunity to help the community and work with a dynamic, motivated team. The professors at Cal State L.A. prepared me for success in my career by demanding academic rigor, while providing an open, friendly environment that enabled students to share differing opinions for handling the tough problems of today's society. I also found the facilities at Cal. State L.A. conducive to learning in the 21<sup>st</sup> century, thanks to the computer labs, televised classes, computer projectors and Internet connections in the classrooms.*

**T**he College of Engineering, Computer Science, and Technology at California State University, Los Angeles offers some of the most exciting and progressive degree programs available today. Since 1997, the *U.S. News and World Report* has consistently listed the College among the top 30 (among non-doctoral granting institutions) in the country. No wonder that internationally acclaimed companies are clamoring for our students and serving on the College's advisory boards.

### ***So, what makes us so special?***

- A \$31 million renovation of our facilities, including the latest computers, technology and labs
- Distinguished faculty committed to helping you achieve success
- Small classes with low student/faculty ratios
- Real world, hands-on research projects that give you practical experience
- Opportunities to compete (and win!) in regional and national design contests
- Opportunities for student participation in professional organizations, honor societies and industry internships

***As one of six colleges at Cal State L.A., the College of Engineering, Computer Science, and Technology is comprised of five departments:***

- Civil Engineering
- Computer Science
- Electrical and Computer Engineering
- Mechanical Engineering
- Technology (includes Fire Protection)

Thanks to the quality of our accredited programs and readily available resources for students, we have no doubt that when you graduate, you will be ready for the challenges of industry, business, education or government. If you want a fast track to a successful career, then Cal State L.A.'s College of Engineering, Computer Science, and Technology is for you.

### ***Undergraduate admission***

Cal State L.A. accepts the top third of graduates from California high schools. For specific subject and grade requirements, consult our Web site and the College of Engineering, Computer Science, and Technology Outreach Coordinator.

### ***Community college transfer students***

The Fire Protection Administration program is primarily a 2+2 program (two years at a community college followed by two years at a university). To be eligible for upper division transfer, you must complete 56 transferable semester units (including college-level English, speech, math, critical thinking and 21 units of Fire Protection Administration coursework) with a minimum GPA of 2.0. Contact the Outreach Coordinator to find out if your community college maintains a transfer agreement with Cal State L.A. For more information, consult our Web site at [www.calstatela.edu/academic/engr/tmp/et](http://www.calstatela.edu/academic/engr/tmp/et).

### ***Domestic student application period***

Fall Quarter: November 1 – August 1  
Winter Quarter: June 1 – November 1  
Spring Quarter: August 1 – February 1  
Summer Quarter: February 7 – May 15

### ***International visa student application period***

Fall Quarter: November 1 – March 1  
Winter Quarter: June 1 – September 1  
Spring Quarter: August 1 – October 1  
Summer Quarter: Closed to visa applicants

### ***Graduate and international visa students***

For more information about attending Cal State L.A. as a graduate or international student, contact the Outreach Coordinator.



# Picture Yourself at Cal State L.A.

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Cal State L.A. is a major U.S. university at the heart of a great metropolitan city. The University's green hilltop campus has a suburban feel, and provides views of the San Gabriel mountain range to the north and the growing downtown skyline to the west. The 175-acre campus is located five miles east of Los Angeles' civic and cultural center, bordering the San Gabriel Valley and historic Los Angeles communities that provide the texture and flavor of one of the world's most interesting cities.

For more than 50 years, Cal State L.A. has led the

way in providing our students with quality higher education. Our campus community includes nationally and internationally recognized faculty members as well as more than 19,000 students whose interests, ages and backgrounds reflect the city's dynamic population.

At Cal State L.A., you'll find programs to fit your focus and your timeframe, new friends to enrich your life, research opportunities backed by superb technology, exciting student life, sports and arts events, and alumni and faculty experts who will help you prepare for success in the 21st century.

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## To arrange for a campus visit or for more information, contact:

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California State University, Los Angeles • 5151 State University Drive • Los Angeles, CA 90032-8150  
Telephone: 323-343-4550/4500 • FAX: 323-343-4555  
[www.calstatela.edu/academic/engr/tmp/et](http://www.calstatela.edu/academic/engr/tmp/et) • E-mail: [tech@calstatela.edu](mailto:tech@calstatela.edu)  
*Reference: Major code 21991, Fire Protection Administration and Technology*

