



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

Aviation Administration

***Bachelor of Science
Degree Program***



Working Together Toward Building Your Future . . .

Managing the Friendly Skies

Graduates with Aviation Administration degrees work behind-the-scenes in a variety of managerial and technical positions that make the aviation industry a safe, profitable and smoothly running business. The diversity of careers ranges from troubleshooters who have a voice in day-to-day airport and airline operations to long-term visionaries who plan the future.

In this career, I can:

- Plan and design airport facilities
- Manage airport operations
- Help make airports more secure
- Plan and monitor progress of aircraft en route
- Inspect aircraft accidents
- Evaluate aircraft performance
- Coordinate flight operations
- Forecast airline traffic
- Analyze budgets and financial plans
- Develop airline marketing programs

Who hires aviation administrators?

The number of people that travel by air will double over the next 10 years. To service this growth, the airlines face an increasing need for dedicated personnel. And with the necessity for expansion at most major airports, there is no shortage of demand for managers and support staff. Job opportunities are also available in general aviation with private and business aircraft. In addition, the Federal Aviation Administration will need to employ more people to keep up with this surging demand for aviation services.

Samples of national average salary ranges:

- Airline Customer Service Supervisor up to \$31,200
- Airport Budget Analyst up to \$35,000
- Airport Operations Supervisor \$25,000-\$90,000
- Commercial Major Airline Pilot ... \$23,000-\$140,000
- Federal Aviation Adm. (FAA) Agent .. \$35,100-\$117,700
- Manager of Aircraft Maintenance up to \$52,000

Source: Data from www.avjobs.com, airtravel.about.com, career.asc.ohio-state.edu, www.calcsea.org





Lisa Dale

Aircraft Technical Assistant
International Lease Finance Corporation (ILFC)

Cal State L.A. gave me the opportunity to extend my aviation knowledge by offering classes that were not available at other universities. I was able to choose from a variety of courses specific to my needs, which helped prepare me for my position with ILFC. My teachers taught me the skills I needed to not only get an exciting job in the aviation field but to also be successful at it. Now, I work with airlines from all over the world as well as aircraft manufacturers such as Boeing and Airbus.



Rodney Thompson

Superintendent of Operations
Los Angeles World Airports (LAWA)

Working with major air carriers to ensure safe, efficient operations at LAX common-use terminals is an exciting challenge. Without my Cal State L.A. degree, I would not be in the position I am today. The airport-related courses that I took helped to prepare me for the LAX civil service exam. Plus, the knowledge I gained from the professional aviation instructors was invaluable. In addition, the aviation-related classes gave me a firm foundation for launching my airport management career.

Aviation Administration at Cal State L.A.

What will I learn?

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

- Air Traffic Control
- Airline Finance
- Airline Management and Operations
- Airport Administration
- Airport Planning
- Aviation Law
- Aviation Sales
- General Aviation Management
- Safety Factors in Aviation

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.

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 Aviation 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.



Finding career success before and after graduation

Aviation Administration graduates from Cal State L.A. quickly find rewarding jobs in their fields upon graduation. Why?

One reason is that Cal State L.A. students have access to a variety of internship opportunities. By the time they are seniors, many of our students have already worked as interns at airports, airlines or the FAA, which often hire them full-time immediately upon graduation.

In addition, our faculty maintain up-to-date technical skills through service as consultants with many of these organizations. Employers who hire aviation administrators also attend our annual job fairs to recruit our students, and we maintain a strong alumni network that offers support to our graduates.

Our internship partners and hiring companies include:

- Airport Group International (AGI)
- American Airlines
- American Airports Corporation
- Ameriflight
- Boeing
- Burbank Airport
- Federal Aviation Administration (FAA)
- Federal Express
- International Lease Finance Corporation
- John Wayne Airport
- Korean Air
- Landrum and Brown
- Los Angeles World Airports (LAX, Ontario, Van Nuys, Palmdale)
- Northrop Grummon
- Polar Air
- Ricondo and Associates
- Southern California Association of Governments
- TAESA Airlines
- Trans World Airlines
- United Airlines
- United Parcel Service



Marc Brodbeck

Aircraft Dispatcher, United Airlines (UAL)

As an aircraft dispatcher, I create flight plans for a variety of planes and air routes. No two days are alike, so my job keeps me on my toes. My education at Cal State L.A. helped me to become very task-oriented, which has proven to be a great asset. The courses in airline administration, aviation safety and air transportation have also contributed to my success. The number of classes taught by faculty who are involved in the airline transportation industry has been extremely valuable to my career.



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.



David C. Hahn

Senior Subcontract Administrator, Boeing
Human Space Flight and Exploration Division

I work closely with engineering and manufacturing departments to obtain components that support our nation's Manned Space Flight and International Space Station programs. The Aviation Administration program at Cal State L.A. instilled in me the habits of paying attention to details and working in a team environment, which are so critical to my job. My aviation classes also provided me with the business knowledge to make calculated decisions based on where the industry is heading, instead of where it has been. In addition, the technical courses allowed me to gain the knowledge necessary to succeed in today's climate of corporate downsizing and shrinking government budgets.

College of Engineering, Computer Science, and Technology

The 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 Aviation Administration)

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 Aviation 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 Aviation 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.

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.

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.

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

Outreach Coordinator • College of Engineering, Computer Science, and Technology
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 • E-mail: tech@calstatela.edu
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