Aerospace Products and Research

Institution: GRADUATE AERONAUTICAL LABORATORIES, CALIFORNIA INSTITUTE OF TECHNOLOGY (GALCIT)

Type of Institution: University

Industry: Aerospace Products and Research

NAICS Code: 3364, 33422, 334511, 54171X

Contact: Ares J. Rosakis
Title: Director
Street: 1200 E. California Blvd., MC 205-45, 225 Guggenheim
City: Pasadena
Phone: 626-395-4750
Email: rosakis@aero.caltech.edu
Website: http://www.galcit.caltech.edu

State: CA
Zip Code: 91125
Fax: 626-449-2677

Description: GALCIT offers graduate programs in aeronautics leading to the degrees of Master of Science, Aeronautical Engineer, and Doctor of Philosophy. The programs are designed to provide intense education in the foundations of the aeronautical sciences, with emphasis on research and experimental methods.
The Aerospace Engineering program aims to: Provide students with a comprehensive education that includes in-depth instruction in aerodynamics, aircraft and spacecraft structures, flight mechanics, orbital mechanics, flight propulsion, and design of aerospace systems; Provide adequate laboratory experience and independent study opportunities; and Prepare students for careers in aerospace engineering by emphasizing analysis and problem-solving, exposure to open-ended problems and design issues while fostering teamwork, communication skills, and individual professionalism.
Aerospace Products and Research

Institution 
CALIFORNIA STATE UNIVERSITY, LONG BEACH (CSULB)

Type of Institution 
University

Industry 
Aerospace Products and Research

NAICS Code 
3364, 33422, 334511, 54171X

Department 
Mechanical and Aerospace Engineering

Program Name 
Aerospace Engineering

Contact 
Dr. Hamid Hefazi

Street 
1250 Bellflower Blvd.

City 
Long Beach

Phone 
562-985-1503

Email 
me-info@csulb.edu

Website 
http://www.csulb.edu/colleges/coe/mae/views/programs/undergrad/index.shtml

Description 
The B.S. in Aerospace Engineering program is designed to supplement mathematics, science and basic engineering courses in order to give students the specialization needed in different areas of aerospace engineering. In addition to acquiring technical knowledge, graduates will have completed appropriate courses in communications and in humanistic social studies. The Department also offers M.S. and Ph.D. degrees and is well equipped with state-of-the-art laboratories and computer facilities for undergraduate and graduate students. The Aerospace Engineering Department in collaboration with Boeing Company offers a Certificate Program in Aerospace Manufacturing. This program is designed to provide students with skills required for an Industrial Engineer or Manufacturing Engineer.
Institution: CALIFORNIA STATE UNIVERSITY, LOS ANGELES (CSULA)

Type of Institution: University

Industry: Aerospace Products and Research

NAICS Code: 3364, 33422, 334511, 54171X

Department: College of Engineering and Aviation

Program Name: Aviation Administration Program

Contact: Dr. Keith Mew

Street: 5151 State University Drive

City: Los Angeles

State: CA

Zip Code: 90032

Phone: 323-343-4550

Fax: 323.343.4571

Email: kmew@calstatela.edu

Website: http://www.calstatela.edu/academic/ecst/tech/aviation/index.htm

Description: The Aviation Administration major is a "2 + 2 Articulation" program. Because Cal State L.A. does not offer lower division Aviation Administration courses, students in the program complete their first two years at a local community college and then transfer to Cal State L.A. to obtain a Bachelor of Science degree in Aviation Administration.
Aerospace Products and Research

Institution: GLENDALE COMMUNITY COLLEGE

Type of Institution: Community College

Industry: Aerospace Products and Research

NAICS Code: 3364, 33422, 334511, 54171X

Department: Technology and Aviation

Program Name: Aviation and Transportation

Contact: Scott Rubke

Title: Division Chair

Street: 1500 Verdugo Rd Glendale, CA 91208

City: Glendale

State: CA

Zip Code: 91208

Phone: 818-240-100 x 5541

Fax: 818-549-9436

Email: srubke@glendale.edu

Website: http://www.glendale.edu/technology/AviationandTransportation/index.htm

Description: The Aviation and Transportation Department offers five Certificate programs: Aviation Administration, Flight Attendant, Aircraft Powerplant Maintenance and Overhaul (FAA Powerplant License), Aircraft Powerplant and Airframe Maintenance and Overhaul (FAA Powerplant and Airframe License), and Pilot Training.
Aerospace Products and Research

Institution  
**JET PROPULSION LABORATORY (JPL)**

Type of Institution  
Community College

Industry  
Aerospace Products and Research

NAICS Code  
3364, 33422, 334511, 54171X

Department  
California Institute of Technology

Program Name

Contact  
Charles Elachi

Street  
4800 Oak Grove Dr.

City  
Pasadena

Phone  
818-354-4321

Email  
charles.elachi@jpl.nasa.gov

Website  
http://www.jpl.nasa.gov/index.cfm

Description  
Managed for NASA by the California Institute of Technology, the Jet Propulsion Laboratory is the leading U.S. center for robotic exploration. JPL manages the worldwide Deep Space Network, which communicates with spacecraft and conducts scientific investigations from its complexes, such as in California’s Mojave Desert. The Laboratory also develops new technology. One area of research focuses on imaging technology, which is currently used for space exploration but has medical applications.
Aerospace Products and Research

Institution: LONG BEACH CITY COLLEGE

Type of Institution: Community College

Industry: Aerospace Products and Research

NAICS Code: 3364, 33422, 334511, 54171X

Department: School of Trade and Industrial Technologies

Program Name: Aviation

Contact: Steve King
Title:  
Street: 4901 E. Carso St.
City: Long Beach
Phone: 562-938-4387
Fax: 562-938-4387
Email: skyking@lbcc.edu
Website: http://www.longbeachccaviation.com/contact.html

Description: The Aviation (Professional Pilot) program prepares students for an entry-level commercial pilot position. It also provides a foundation for airline and corporate pilot careers. The Department offers a Certificate program as well as A.S. degree program. FAA certificated pilots may earn credit for some AVPLT classes and use that credit for the A.S. degree and/or Certificate based on their FAA certificates and other certain requirements. The Department also offers the Aviation Administration program.
Aerospace Products and Research

Institution: MT. SAN ANTONIO COLLEGE

Type of Institution: Community College

Industry: Aerospace Products and Research

NAICS Code: 3364, 33422, 334511, 54171X

Department: Technology and Health Division

Program Name: Aeronautics and Transportation Department

Contact: Robert Rogus, Linda Rogus

Title: Co-Chair

Street: 1100 N. Grand Avenue

City: Walnut

State: CA

Zip Code: 91789

Phone: 909-594-5611 x3098

Fax:

Email: rrogus@mt.sac.edu/ lrogus@mt.sac.

Website: http://www.mtsac.edu/instruction/technology/aeronautics/faculty.html

Description: The Aeronautics and Transportation Department offers two programs of study leading to an A.S. degree: Commercial Flight and Aviation Science. The curriculum meets the requirements of the Federal Aviation Administration Collegiate Training Initiative (CTI). Under an educational partnership agreement with the FAA, this CTI program prepares students for broad-based aviation careers. Students completing the CTI program may be recommended by the college for hiring by the FAA as air traffic controllers.
Aerospace Products and Research

Institution: NORTH VALLEY OCCUPATIONAL CENTER-AVIATION (NVOC-AC)

Type of Institution: Community College

Industry: Aerospace Products and Research

NAICS Code: 3364, 33422, 334511, 54171X

Contact: Mr. Juan Urdiales

Title: Principal

Street: 11450 Sharp Avenue

City: Mission Hills

Phone: 818-365-9645

Email: 

Website: http://www.nvoc.org/html/general.html

Description: The NVOC-AC offers a Certificate program in Aviation Mechanics, which is approved by the FAA.
Aerospace Products and Research

Institution

UNIVERSITY OF CALIFORNIA, LOS ANGELES (UCLA)

Type of Institution

University

Industry

Aerospace Products and Research

NAICS Code

3364, 33422, 334511, 54171X

Department

Henri Samuei School of Engineering & Applied Sciences

Program Name

Mechanical & Aerospace Engineering Department

Contact

Chen, Jiun-Shyan

Phone

310-825-7793

Email

MAEAPP@EA.UCLA.EDU/

Website

http://www.mae.ucla.edu/

Description

The B.S. program in Aerospace Engineering emphasizes fundamental disciplines, and it therefore provides a solid base for professional career development in the aerospace industry and graduate study in aerospace engineering. Graduate education, primarily at the Ph.D. level, provides a strong background for employment by government laboratories, such as NASA, and industrial research laboratories supported by the major aerospace companies. The Department also houses the Center for Aerospace Education and Research.
Aerospace Products and Research

UNIVERSITY OF CALIFORNIA, LOS ANGELES (UCLA) EXTENSION

Type of Institution
University

Industry
Aerospace Products and Research

NAICS Code
3364, 33422, 334511, 54171X

Department
Engineering and Technical Management

Program Name
Astronautical Engineering

Contact
Street
10995 La Conte Avenue

City
Los Angeles

Phone
310-825-9971

Email

Website
http://www.uclaextension.edu/

Description
This Certificated program provides a broad overview of the key aspects of spacecraft vehicle design and engineering. Topics include systems design, structural considerations, propulsion, orbital mechanics, altitude dynamics and control, communication systems, electrical power, and thermal management.
### Aerospace Products and Research

**Institution**  
UNIVERSITY OF SOUTHERN CALIFORNIA (USC)

**Type of Institution**  
University

**Industry**  
Aerospace Products and Research

**NAICS Code**  
3364, 33422, 334511, 54171X

**Department**  
Vertibi School of Engineering

**Program Name**  
Aerospace and Mechanical Engineering

**Contact**  
Dr. Michael E. Kassner  
Department of Aerospace and Mechanical Engineering, OHE 430

**Street**  
Department of Aerospace and Mechanical Engineering, OHE 430

**City**  
Los Angeles

**Phone**  
213-740-5324

**Email**  
am@usc.edu

**Website**  
http://ame-www.usc.edu/

**Description**  
The Aerospace Engineering Department at USC is nationally recognized for several areas of research including space science, controls of turbulence, computational fluid mechanics, and nonlinear dynamics.
Aerospace Products and Research

Institution
UNIVERSITY OF SOUTHERN CALIFORNIA (USC)

Type of Institution
University

Industry
Aerospace Products and Research

NAICS Code
3364, 33422, 334511, 54171X

Department
Center for Advanced Transportation Technologies (CATT)

Program Name

Contact
Dr. Petros Ioannou
Title
Director
Street
3740 McClintock Avenue, EEB 200
City
Los Angeles
State
CA
Zip Code
90089
Phone
213-740-4452
Fax
Email
ioannou@usc.edu
Website
http://www.usc.edu/dept/ee/catt/index.html

Description
The Center for Advanced Transportation Technology (CATT) is the focal point for transportation research at the University of Southern California. CATT’s mission is to perform high-impact research on urgent transportation issues in cooperation with industry and government. Its main focus is on the use of advanced technologies for making current and future defense and commercial transportation infrastructure more efficient. It merges policy and technical analyses and targets the problems associated with surface, air, and marine transportation.
Aerospace Products and Research

Institution: WEST LOS ANGELES COLLEGE

Type of Institution: Community College

Industry: Aerospace Products and Research

NAICS Code: 3364, 33422, 334511, 54171X

Department: Aviation and Travel Division

Program Name: Aviation

Contact: Craig Wilder

Street: 9000 Overland Avenue

City: Culver City

Phone: 310-287-4515

Fax: 310-841-0396

Email: [mailto:]

Website: http://www.wlac.edu/aviationtravel/index.html

Description: The Aviation Department offers an Aviation Maintenance Technician Associates Degree, an Airframe Maintenance Technician Certificate, and Aircraft Power plant Technician Certificate.
Aerospace Products and Research

Institution: WESTWOOD COLLEGE OF AVIATION TECHNOLOGY

Type of Institution: Community College

Industry: Aerospace Products and Research

NAICS Code: 3364, 33422, 334511, 54171X

Department: Redstone College

Program Name: Airframe and Powerplant

Contact:
Street: 8911 Aviation Blvd.
City: Inglewood
Phone: 1-800-281-2978
Email:
Website: http://www.westwoodcollege.com

Fax:
State: CA
Zip Code: 90301

Description: Airframe and Powerplant Technicians, often called A&P’s, are the technicians who keep aircraft in safe flying condition. They are trained to service, repair and overhaul virtually all aircraft components and systems. A&P technicians must complete specialized training and pass Federal Aviation Administration (FAA) certification tests. Certified technicians find rewarding career opportunities working for commercial airlines, aerospace manufacturing companies, general aviation companies, and government agencies.
**Aerospace Products and Research**

**Institution**
AIR TRANSPORT ASSOCIATION OF AMERICA (ATA)

**Type of Institution**
Association

**Industry**
Aerospace Products and Research

**NAICS Code**
3364, 33422, 334511, 54171X

**Department**

**Program Name**

**Contact**

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<tr>
<td></td>
<td>1301 Pennsylvania Ave., NW, Suite 1100</td>
<td>Washington DC</td>
<td>202-626-4000</td>
<td><a href="mailto:ata@airlines.org">ata@airlines.org</a></td>
<td><a href="http://www.airlines.org/">http://www.airlines.org/</a></td>
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**Description**
The purpose of the ATA is to support and assist its members by promoting the air transport industry and the safety, cost effectiveness, and technological advancement of its operations; advocating common industry positions before state and local governments; conducting designated industry-wide programs; and assuring governmental and public understanding of all aspects of air transport.
Aerospace Products and Research

Institution AMERICAN ELECTRONICS ASSOCIATION (AeA)

Type of Institution Association

Industry Aerospace Products and Research

NAICS Code 3364, 33422, 334511, 54171X

Department

Program Name

Contact JoElla Lapiana

Title Executive Director

Street 6320 Canoga Avenue Suite #220

City Woodland Hills

Phone 818-226-3800

State CA

Zip Code 91367

Fax 818-226-0400

Email LACounci@aeanet.org

Website http://www.aeanet.org/AeACouncils/LACouncilStart.asp

Description The Los Angeles/Santa Barbara Council of AeA covers the area including San Luis Obispo County, Santa Barbara County, Ventura County, Los Angeles County, San Bernardino County and Las Vegas, NV. AeA represents a diverse array of technology companies that include aerospace defense, wi-fi, semiconductor, photonic equipment, software, hardware, service providers, data collection and storage, electronics, computers, telecommunications, and medical devices.
Aerospace Products and Research

Institution AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS (AIAA)

Type of Institution Association

Industry Aerospace Products and Research

NAICS Code 3364, 33422, 334511, 54171X

Department

Program Name

Contact Charles Kilmer

Street 999 N Sepulveda Blvd. Suite 440

City El Segundo

Phone 310-726-5000

Email hansen@hrpsystems.com

Website http://www.aiaa.org/

Description AIAA, formed in 1963, is the world’s largest professional society devoted to the progress of engineering and science in aviation, space, and defense. The Institute continues to be the principal voice, information resource, and publisher for aerospace engineers, scientists, managers, policymakers, students, and educators. Key member benefits include:

- Establish important professional contacts
- Gain recognition by peers
- Access comprehensive resource and research services, and Influence aerospace policy
Aerospace Products and Research

ESSIX AVIATION INC.

Type of Institution: Association
Industry: Aerospace Products and Research
NAICS Code: 3364, 33422, 334511, 54171X

Contact
Street: 11601 S. Western Ave., Suite 110
City: Los Angeles
State: CA
Zip Code: 90047
Phone: 323-242-1850
Fax: 
Email: essix_aviation@yahoo.com
Website: http://pilotcareercenter.com/TrainingDetail.asp?TSID=1260

Description
A non-profit aviation education corporation dedicated to educate, train, and mentor disadvantaged inner-city youth interested in pursuing careers in aviation. The programs and services it offers are Introduction to Aviation, which offers lectures, training, hands-on experiences, and a short flight in an actual airplane for each participant, and Adventures in Flight Program. It also provides technical information such as employment opportunities, current compensation levels, job training prerequisites, and a list of colleges and universities offering aviation training.