

California State University, Los Angeles

College of Engineering, Computer Science, and Technology

Golden Eagle Highlights

SYMBOLS OF EXCELLENCE

- * *U.S. News & World Report* ranks the College of Engineering, Computer Science, and Technology among the **30 Best Undergraduate (non-Ph.D.) Engineering** programs in the United States. ***The only public undergraduate (master's-awarding) university in the greater Los Angeles area making the top of the list.***
- * Cal State L.A. ranks in the **top 15** among U.S. master's colleges and universities in the number of baccalaureate graduates who went on to receive Science and Engineering Doctorates (*National Science Foundation statistics*).
- * Our undergraduate engineering program was ranked **#17** among **21 top-rated schools** specializing in the areas of **electrical/electronic/communications**
- * \$31 million dollar renovation, our students have access to one of the best facilities in the nation.
- * Bachelor of Science in Graphic Communications - The **only** one offered in Southern California.
- * Scholarships - Our College offers over 60 with awards of up to \$4500 per year

RESEARCH

- * Undergraduate and graduate research opportunities. We have over 100 undergraduate students employed in our research labs.
- * **NASA University Research Center** (\$6 million) – The first and only one of its kind established on a CSU campus and the only one in California.
- * **Power, Energy, and Transportation Laboratory** – Alternative fuel, energy and vehicle development center.
- * **S.P.A.C.E Laboratory** – Development of controls for the \$2 billion space telescope to be launched to 2012.
- * **Multidisciplinary Flight Dynamics and Controls Laboratory** – Development of state-of-the-art computing and networking technologies and CAE software to enable "virtual aircraft design.
- * **Naval Seafloor Engineering Research Laboratory** – Revision of Naval marine geotechnical engineering code to include new and innovative engineering solutions and technologies.

- * Over 60 Internship and Hiring Partners. American Airlines, Boeing, Caltrans, FAA, General Electric, Honda, Honeywell, JPL, Northrup Grumman, Raytheon, and MGM Studios to name only a few...

NATIONAL STUDENT COMPETITIONS

- * Mechanical Engineering
 - 2004 **First** in California, SAE Mini-Baja Competition
 - 2003 **First place**, Titan Aerial Lift Vehicle, NASA student design Competition
 - 2000, 1998, 1997, 1996 **First Place**, SAE Mini-Baja, Western Regional Competition
 - Solar Eagle III, SunRayce **National Champion**, Solar Race Car
- * Industrial Technology
 - 2004 **First Place** in the USA, SAE Supermileage Competition, mileage record of **1,615 miles per gallon**
 - 2004 **First Place**, WESTEC Manufacturing Challenge, Recumbent Tricycle Design and Manufacturing
 - 2003 Third Place, WESTEC Manufacturing Challenge, Advanced Golf-Putter Design
 - 2003 & 2002 Top-ten finish, Super Eagle SuperMileage Vehicle
 - 2002 Second place, WESTEC Manufacturing Challenge, Pulse Jet Engine
- * Electrical and Computer Engineering
 - 2003 & 2002 Micro-mouse participant
- * Civil Engineering
 - 2004 Third Place ASCE Concrete Canoe, Western Division

STUDENT CLUBS & ORGANIZATIONS

- * Over 20 student clubs, organizations, and honor societies. To name just a few...
 - American Society of Civil Engineers (ASCE)
 - Association for Computing Machinery (ACM)
 - Inst of Electrical & Electronic Eng (IEEE)
 - National Assoc of Indus Technology (NAIT)
 - National Society of Black Engineers (NSBE)
 - Society of Automotive Engineers (SAE)
 - Society of Hispanic Engineering and Science Students (SHESS)
 - Society of Women Engineers (SWE)
 - Tau Beta Pi – National Engineering Honor Society

OUTSTANDING ALUMNI

- * John Tracy, Vice President, Boeing Corp, Integrated Defense Systems
- * Diego Cadena, Assistant Deputy Director, Flood Maintenance Division, Los Angeles County Dept of Public Works
- * Derrick Hamilton, Vice President, SBC Communications Inc.
- * Franklin Urteaga, Former Advisor to President Clinton, Technology Policy Development
- * Sy Liebergot, Senior Project Engineer, Johnson Engineering Corp. Advisor to books and movies about Apollo 13
- * Ethan Lipton, Dean of Educational Support Services, CSULA
- * Alicia Lopez, Engineering Project Manager, Southern California Edison
- * Dwight Streit, Vice President of Microelectronics Technology, Northrop Grumman
- * Nabih Youssef, Founder and President of Nabih Youssef and Associates. One of Los Angeles' most prominent structural engineering firms

