

Major College of Engineering and Technology Achievements since June, 1998

1. Over the past three years, *U.S. News & World Report* has ranked Cal State L.A.'s College of Engineering and Technology among the top 25 percent of the 170 primarily undergraduate engineering schools. Top ranking was 19th in the nation in 1998.
2. The College of Engineering and Technology's 1999 Mini Baja off-road vehicle placed first overall for the third time in the past four competitions at the Society of Automotive Engineers (SAE) International Mini Baja West. The winning team of 14 students and two advisers outperformed 70 other colleges and universities during the three-day event hosted by Kansas State University.
3. The \$31 million renovation of the Cal State L.A. Engineering and Technology building was completed in June 2000. With its state-of-the-art computers, laboratories and distance learning classrooms, the College now has one of the most advanced, student-centered engineering and technology facilities in the nation.
4. Dr. Helen Ryaciotaki-Boussalis received a five-year, \$3.8 million grant (the largest amount ever given to a CSU faculty member) from NASA for establishing a Structures, Pointing, And Control Engineering (SPACE) Laboratory at Cal State L.A. The lab, which features an experimental test bed that was designed, fabricated and assembled on site, allows students to research and duplicate the technical challenges of a large, space segmented reflector telescope. The project recently received a three-year \$1.5 million extension, bringing the total funding level to \$5.3 million.
5. A team of students from the Hands-on Experiences in Rehabilitation Engineering (H.E.R.E.) project, which was founded by the Northrop Grumman Engineering Endowed Chair in Design and Manufacturing, Dr. Samuel E. Landsberger, and MESA Engineering Program (MEP) Director Milton Randle, placed third in the WESTEC 2001 Student Manufacturing Challenge Competition for their Sand Cruiser Wheelchair. The team beat out last year's first- and second-place winners, San Jose State and Arizona State universities.
6. Both the engineering and the technology programs at Cal State L.A. have received A+ evaluations through recent ABET and program review processes. The college received "rave reviews" for its success in implementing a continuous quality improvement process based on the results of a student outcomes and assessment process.
7. Three of eight recipients for the 1999-2000 new President's Scholarship (\$5,000 per year for four years) were engineering majors.
8. The Northrop Grumman Engineering Endowed Chair was established by completing a \$400,000 endowment. This is one of only three engineering endowed chairs among the 15 universities in the CSU system that offer engineering programs.
9. In spring 1999, Dean Ray Landis received the first CSU systemwide \$20,000 Wang Family Excellence Award as outstanding administrator in the CSU system.

10. In December 1999, Dean Ray Landis Received the 1999 Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring at a White House ceremony.
11. Over 40,000 students at 300 institutions across the nation have used Dean Ray Landis' textbook, *Studying Engineering: A Road Map to a Rewarding Career*, since its initial publication in June 1995, making it the best selling "Introduction to Engineering" text of all time. The second edition was published in June 2000.
12. 2+2 articulation agreements were completed for all engineering programs, with six primary feeder community colleges. Innovative target transfer brochures were developed and widely distributed.
13. Engineering and technology enrollment increased by 5.5% from 1998/99 to 1999/00.
14. The Society of Women Engineers (SWE) national organization honored Professor of Mechanical Engineering Neda Fabris with the 2001 Distinguished Engineering Educator Award. Dr. Fabris is known for her innovative "Mother/Daughter Workshop," which provides high school age women and their mothers with hands-on experiences designed to teach them about the excitement of engineering.
15. South Coast Air Quality Management District (SCQMD) sponsored a visitation program during 1999/00 and 2000/01 that enabled Outreach Educator Cleo Rojas to take Solar Eagle III to schools and community events. The program presents an excellent opportunity to introduce students and the community to the field of engineering, as well as to solar electric energy.
16. In 1999, Dr. Benjamin Lee, professor of technology and adviser for the Graphic Communications program, initiated a 2+4+C model (academy + four years of college + career placement) within the Graphic Communications curriculum. Students from Manual Arts High School are participating.
17. Over \$1.1 million in cash donations and over \$2 million in equipment donations were received by the College. Highlights included: \$500,000 in donated computers and test and instrumentation equipment from Hewlett-Packard to equip two engineering laboratories; a \$250,000 donation from Southern California Edison to name the Power/Energy Laboratory; 13 new endowed scholarships, which increased the number of endowed scholarships from 17 to 30; and a donation of Parametric Technology Corporation (PTC) software (PRO/Engineering and PRO/Mechanica) valued at \$12.3 million per year for 10 years, through which PTC software is provided to all 23 campuses in the CSU system.

Note: A number of these achievements contribute directly to goals set in the President's 1998 evaluation.