

FUTURE OUTLOOK

The College of Engineering's vision and goals reflect the future of its choice. Its vision is to be a top-tier college in the knowledge management economy. Consequently, it will be pleased and proud because it is ranked in the top tier of engineering schools and its goals have been achieved. Such ranking will be achieved through the increased efficiency in its undergraduate programs and the synergy in its research programs developed through collaborative faculty teams in focused research institutes.

RESEARCH GOALS

- Be regionally premiere in major focus areas with selected areas achieving national and international prominence,
- Be a magnet for high quality faculty and students who want to pursue research and graduate education,
- Have significant partnering/collaboration relationships with the DRI/UNLV and other research institutions,
- Be a magnet that attracts government agencies, institutions, and industry research grants, contracts, and gifts,
- Produce intellectual property licensing and royalties of \$5M per year, and

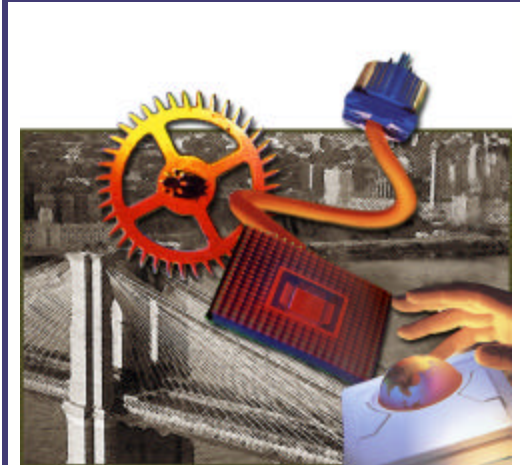
EDUCATION GOALS

- Be established as a top-tier college according to the *U.S. News and World Report* annual ranking criteria,
- Be a magnet for attracting the most qualified students,
- Have been a major force in establishing a seamless progression from the community and state colleges to the College of Engineering,
- Be a major force in enhancing K-12 education that increases in-coming freshmen quality,
- Teach graduate, upper division, and select lower division courses. The community and state colleges will teach many of the lower division courses,
- Develop select undergraduate general education courses to increase our student FTE in the short term,

OUTREACH GOALS

- Be a magnet for attracting industry and government partnering relationships and funding,
- Play a significant leadership role in establishing and nurturing incubator/accelerator facility support to entrepreneurs,
- Have a high impact on the Nevada economy by providing a high level of technology transfer and technological support to industry,
- Provide for easy access to distance and non-traditional education for quality continuing education

COLLEGE OF ENGINEERING



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BACKGROUND

Innovation and excellence in **RESEARCH**, **EDUCATION** and **OUTREACH** is the mission of the College of Engineering and consequently, its basic reason for being.

The College of Engineering recognizes that success will come only if it creates attractive value for its key stakeholders. The College of Engineering's purpose is to expand the boundaries of knowledge, advance state-of-the-art in critical technologies, develop the skills and knowledge of its students, transfer technology to industry, positively impact the Nevada economy, and to positively impact the quality of life for Nevada residents.

ACCREDITATION

The University of Nevada, Reno and its programs are accredited by The Northwest Association of Schools and of Colleges and Universities.

Additionally, the College of Engineering and its programs are accredited by the Accreditation Board for Engineering and Technology (ABET).

SCHOLARSHIPS

College of Engineering students were awarded approximately \$677,000 in scholarship funds for the 2002/2003 school year.

RESEARCH & SCHOLARSHIP RANKING

- The Carnegie Classification of Institutions of Higher Education lists Nevada in the top class as a Doctoral/ Research Universities-Extensive Institution.
- The College of Engineering is listed in "U.S. News and World Report as one of the best graduate schools.
- \$6,679,096 in research grants and contracts were received in fiscal year 2002. Expenditures were \$8,978,61. This amount includes expenditures from funds awarded prior to 2002. \$213,776 was expended per faculty member.

GRADUATES - 2002 INFORMATION

- Graduates earning a BS degree had a median high school GPA of 3.65, ACT Math 28, SAT Math 630, or a transfer GPA of 3.12.
- 89% of graduates who applied for a job had an offer before commencement.

ACADEMIC AREAS & ENROLLMENT

Bachelor of Science, Master of Science, Doctor of Philosophy and Professional Degrees are offered in the following academic areas:

	<u>Undergrad</u>	<u>Grad</u>
Biomedical Engineering	0	1
Chemical Engineering	82	16
Civil Engineering	253	57
Environmental Engineering	25	0
Computer Science	345	57
Computer Engineering	0	27
Electrical Engineering	246	31
Mechanical Engineering	278	37
Metallurgical & Materials Engineering	42	20

(Enrollment is based on Fall 2002 data.)

FACULTY

The College of Engineering has a total of 57 faculty members who hold Ph.D. degrees in their fields, and who are actively involved in both teaching and research.

Many of the faculty are principal or co-investigators on research grants with the National Science Foundation, Department of Energy, Department of Defense, and other nationally recognized entities. They also consult and are involved in research projects with many private industries.

The College can boast two IEEE Fellows, three ASME Fellows, two University of Nevada, Reno Foundation Professors, one ASEE Outstanding Teacher and many other faculty with honors and awards.

ADVISORY BOARD

The Advisory Board of the College of Engineering is comprised of members who have backgrounds in industry and business that mesh with the college's mission of research, education and outreach and its goal of becoming a top-tier engineering school within the nation.

The purpose of the Advisory Board is to advise the Dean on matters pertaining to engineering programs. It is the Board's responsibility to work with the College to improve the academic and research programs which constitute the stature of the College of Engineering. With the changing requirements in the business and technical communities, the expertise and knowledge of the Board can prove valuable inasmuch as the Board represents firms and businesses employing graduates of the programs.