Five-Year Strategic Plan

Mission
Educate, Engage, Inspire, Innovate

For the Howard R. Hughes College of Engineering our mission, “Educate, Engage, Inspire and Innovate” are not simply four words but what guides everything we do in the College. We are committed to: creating hands-on experiential learning at all student levels; fostering an environment of innovation and high-impact research; engaging the community and collaborating with other academic departments and external entities; and inspiring each other to continue learning and overcoming challenges.
Innovation
Entrepreneurism

Task Force Key Areas
In fall 2015, the College formed a committee of 44 members, including faculty, professional staff, administrative assistants, students, alumni, and advisory board members. Task Forces, consisting of five to seven members, were formed for the following areas: People, Scholarship, Education, External Relations, Internal Relations.

The 2016 Howard R. Hughes College of Engineering Strategic Plan combines the efforts of the Strategic Planning Committee to crystallize the College’s vision, mission, strategies, and specific actions to be taken that would lead us to the next level in achieving the goal of being a first-class research university with regards to engineering.

Core Competencies
(required to fulfill our mission)

People
Measurements
1. Obtain periodic feedback from all COE faculty, staff, and students with the goal of:
   a. 70% satisfaction by 2016
   b. 80% satisfaction by 2018
   c. 90% satisfaction by 2020
2. By 2020, increase the number of qualified faculty, with an emphasis on women and other under-represented groups.
3. Maintain current level for recruiting, retaining, and graduating undergraduates, and raise the quality of recruited students.
4. Increase recruitment of graduate students to 300 applicants, and increase enrollment of graduate students by 90 by 2017.
5. All faculty, staff, and students are adequately trained for their duties, rights, and responsibilities.

Scholarship
Measurements
1. Amount of research expenditures and related data.
2. Number of scholarship activities in the academic communities, as measured by: publications; citations; presentations monographs; etc.
3. Economic impact of the College on our community, as measured by: invention disclosures; provisional and non-provisional patents; licensing deals and number of start-ups; and consulting activities.
4. Number of graduate and undergraduate students working in research laboratories, publishing research, producing software and engaged in other economic development activities.
5. Number of researchers with Ph.D.s employed by the College.
6. Doctoral degrees granted annually by the College and the number of Ph.D. students per faculty member.
7. National rankings of the College and its graduate programs.
9. Number of nationally recognized high-volume Centers of Excellence led by the College.
Education
Measurements
1. Increase retention and graduation rates for undergraduate students.
2. Increase number of graduate students.
3. Embrace the Science, Technology, Engineering, Art, and Mathematics (STEAM) movement. Increase collaboration between the College of Engineering and non-STEM colleges on campus.
4. Increase perception of producing high-quality graduates.
5. Increase engagement of College Advisory Board.
6. Increase community support through numbers of internships, co-op opportunities, part-time and full-time jobs, and an increase in endowments and scholarships.
7. Improve instructor engagement.

External Relations
Measurements
1. Establish an Office of Branding and Networking within the College.
2. Improve stakeholder engagement measured by number of industry-college projects and alumni involvement.
3. Increase level and participation rate of donors.
4. Develop entrepreneurs through collaboration between the College and community.
5. Increase number of internships and faculty consultancies.

Internal Relations
Measurements
1. Infrastructural resources benchmarked within one year; funding encumbered permanently for maintenance and growth within three years.
3. 100% of College staff to participate in at least one professional development activity yearly.
4. Entire College staff proficiently informed on College matters.

For the complete Howard R. Hughes College of Engineering Strategic Plan, please see:

www.unlv.edu/engineering