

College of Engineering and Technology Strategic Plan

Priority: to be nationally recognized as a Top 40 engineering college in the U.S. in the next ten years.

Five Priority Actions:

1. Recruit a high number of *well-qualified undergraduates and graduate students* commensurate with Top 40 institutions.
2. Attract, retain, and stimulate the *development of high quality and diverse faculty*.
3. Enhance funded research primarily focusing on five research areas
 - a. *Transportation and Infrastructure*
 - b. *Design and Construction of Buildings*
 - c. *Bio-Medical Engineering, Bio-Environmental Engineering and Engineered Bio-resources*
 - d. *Manufacturing Nanotechnology, Processes, Systems and Logistics*
 - e. *Sensors, Communications, Software and Information Engineering*
4. Enhance college infrastructure and facilities
5. Promote public awareness of college's contributions to Nebraska and the U.S.

Resources Management

1. A Top 40 engineering program typically spends over \$4,900,000 more annually than the college currently does.
2. Plan to increase the resource base includes:
 - a. Student fee of \$20 per credit hour per semester: \$1M annually
 - b. Increase of \$50M in endowments: \$2.25M annually
 - c. Increase in overhead return from \$12M annual increase in grants and contracts: \$1M annually
 - d. Other sources: \$0.655M annually
 - e. Total: \$4.905M
3. Expected enhancement resource allocation to accomplish priority actions
 - a. \$1.3M annually for 14 new faculty
 - b. \$1M annually for start-up costs for research
 - c. \$2M annually for student scholarships and fellowships
 - d. \$0.2M annually for recruiting and research management staff
 - e. \$0.4M annually for core research facilities
 - f. \$0.005M annually for public relations
 - g. Total:\$4.905M