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