

# THOUGHTS ON BEING A REALLY GREAT COLLEGE OF ENGINEERING

1. The most important objectives are the objectives for the

faculty,  
curriculum, and  
facilities;

**not the objectives for the students.**

2. Some measures of a really great college of engineering:

- At least one faculty member per department authors a nationally recognized textbook.
- At least one faculty member per department is a principal in founding a significant sizeable technology company.
- At least one faculty member per department is a national officer of a significant professional society.
- Each department hosts on campus at least one quality technical conference per year.
- For each department significant national corporations (more than one)
  - send recruiting teams to campus,
  - have active relations with the faculty, and
  - provide designated annual gifts for academic development.

3. What students should develop and experience through their academic programs:

Knowledge of the fundamentals  
Ability to effectively express ideas  
Ability to reason correctly  
Ability to invent and evaluate new ideas  
Ability to identify and solve problems  
Ability to implement, test, and deploy working systems  
Values to guide in decision making (especially professional ones)  
Confidence and skill to self-motivate and self-educate  
Confidence and skill to lead  
In-depth exposure to good role models

in student peers,  
in the faculty and administration,  
in visitors to the campus.