The mission of the College of Agriculture, Science and Engineering is to provide excellence in teaching, research, and professional service in the major areas we serve and, ultimately, to prepare students for employment by providing them with a skill set that will make them successful now and into the future, regardless of their chosen path.

I certainly appreciate the opportunity to present an overview of the current status and future plans of the College of Agriculture, Science and Engineering. While I won’t be able to cover everything on this paper, over the next few minutes, it is my intention to provide you a snapshot of the important things happening in the College in spite of the budget reductions for this past biennium, talk about our plans for continued excellence, address the challenges we will face in light of the significant growth we have experienced in spite of budget cuts, and then finally to talk about some of the ways in which we intend to cope with this situation.

The College of Agriculture, Science and Engineering has grown significantly in the past five years. As of Fall 2013, 880 students had been added to the university since 2009. Our college accounted for 513 (58%) of those. This fall fully 40% of new freshmen enrolled are in CASE.

- The College growth has fueled the University growth
  - 2,024 students (8% increase over 2012)
  - 53% of growth in Fall 2009 (123 of 231 additional students)
  - 105% of growth in Fall 2010 (65 of 62 additional students)
  - 179% of growth in Fall 2011 (106 of 59 additional students)
  - 313% of growth in Fall 2012 (141 of 45 additional students)*
    *Incorporated Math and Science Education majors into departments. Controlling for those majors in MCP and LEES, numbers are 68 of 45 or 151%
  - 34% of growth in Fall 2013 (151 of 443 additional students)
  - On pace to break 2,100 students in the College

College Accomplishments

Our students have excelled on many fronts and continue to do so almost daily. Their accomplishments are a direct reflection of faculty excellence. Some of their accomplishments are detailed in the handout and I won’t go into the specifics of that list, but our students are engaged and successful in many areas including research.

- Student Accomplishments – A reflection of faculty excellence
  - Master of the Mainframe
  - Student research presentations, publications, conference winners
  - Horse Judging Team/Equestrian Team
  - Livestock Judging Team
  - Ag Quiz Bowl Team
  - Collegiate FFA
Student Leadership
Undergraduate Student Research

In addition to being outstanding teachers and mentors, the members of the faculty in our college are highly productive in obtaining grants and contracts, leading to publications that add to the scientific literature in many fields.

- Faculty Accomplishments – Regionally, Nationally, Internationally Known
  - Grants of $2.5 million in calendar year 2013.
    - BCRC – Over $4 million since 2005
    - Pantex – Many grants in engineering, environmental science, wildlife biology.
    - INCRSE and SSTEM – scholarship support for many
    - Ogallala Project – Water for the High Plains
    - APHIS – Protecting the livestock industry
  - Two MRI grants from NSF
    - 400 MHz NMR
    - GC-MS FID
  - Scientific Publications – Over 100 a year
  - CORE Lab

Three particular activities continue to have a large impact on the visibility and success of WT.

- Math Lab –
  - Pass rates in Developmental Courses
  - Pass rates in Core mathematics
- PrimeOne Project –
- UL/WT Advanced Wind Turbine Test Laboratory

A listing of your service activities would take the rest of the day, so I obviously won’t do that. I would just say that the faculty members in our college are involved in the community, the region, the state the nation and beyond.

Challenges to continued growth

- Faculty
  - Enrollment has increased by 513 students since Fall 2009
  - Programs that are growing require more individual attention
  - Faculty numbers are static in some departments, reduced in others
  - Addition of M.S. Program in Engineering will require additional faculty

- Class Size
  - Laboratory class sizes **cannot** increase
  - Must increase number of sections
  - Requires more faculty and/or graduate students

- Initiative Funds
  - Critical to the Ph.D. program
  - Used as leverage for external funding
  - Major source of funding for graduate students
  - Sparing initiative funds from cuts is greatly appreciated
  - Asking for new initiative for Electrical Engineering
- **Research**
  - Most of the research dollars generated in the University are generated in CASE
  - Faculty loads are impacting grant success
- **Departmental M&O**
  - Increases in 2013-14 budget are appreciated
- **Facilities**
  - Engineering Building – Phase II – Cost $4 Million
  - Meat Lab/Livestock Complex – Cost: $10 Million
  - Phase 34 of ANS Building – third floor offices and labs – Cost: $4 Million
- **Initiatives in the College in pursuit of excellence**
  - Added Environmental Engineering
    - Has the potential for research impact important to the region
    - Cross discipline focus
  - AEI – Continuing to redefine its mission.
  - Research Commercialization – Dr. Hunt’s program supported by System venture capital program
  - Development Activities
    - Funds for Engineering Building Phase II is top priority
    - Scholarships
    - Alumni Support
    - Ag Development raised $90,000 for recruiting
- **The College is committed to making the best of whatever the budget situation is**
  - Additional external funding (previously mentioned)
  - Gain efficiency where possible
    - Cross listing courses to gain efficiency
    - Statistics, soils, ecology, range
  - Bottom Line – More faculty FTE are needed in every department.
    - Added a position in Meat Science
    - Added a position in Computer Science
    - Added two temporary positions in Chemistry
    - Added a technician position in Engineering
    - Need additional positions across the board
- **There are other things happening at the university that most of you are likely aware of, but just in case you are not, there are a couple you need to be aware of.**
  - Faculty Handbook
  - Assessment
  - SACS

The bottom line is we have been and are extraordinarily productive. We are the engine of this university and I could not be more proud to serve as your Dean.