# Top 5 Goals
# College of Science

Presented by
Dr. Robert Habingreither CMfgE
Interim Dean

TEXAS STATE UNIVERSITY
SAN MARCOS
*The rising STAR of Texas*

## Major Accomplishments Based on 2004-2007 College Strategic Plan

- MSE infrastructure - *in place*
- Electrical Engineering - *in place*
- School of Engineering - *in place*
- Math Ed PhD - *in place*
- Minority student enrollment -- 2004 6638 2007 6753 (University +1.8%)
- Minority student enrollment – 2004 724 2007 824 (College +14%)
- Minority Faculty 2004 5% 2007 9% (University + 4%)
- Minority Faculty 2004 19.4% 2007 28.5% (College + 9.5%)
- Research/Sponsored Projects Expenditures -
  2005 $3,029,201.86 2008 $3,773,507.49 + 25%
- Grants Awarded –
  2008 $10,088,198.00
- Proposals submitted Proposals Awarded
  2008 119 2008 59 ~ 50% hit rate (excellent)
- Refereed Publications –
  2005 139 2008 186 +34%

## Strategic Planning Is A Good Process

It allows departments and colleges
to establish goals that are
in harmony with the general goals
established by the
Upper Level Administration

**Presented here will be the Top 5 Goals for the College of Science not all inclusive but focusing on what we believe to be our highest priorities**

**They will be presented in order of importance**

***Note: Faculty and Chair input was used to create this set of goals***

## SPACE

***Improving external funding, scholarly publications and research is really our highest priority.*** **Without additional new space it will become increasingly difficult to react to RFPs when space for these projects is not available.**

**As an example, the Department of Biology accounts for 20% of the total grant funding on this campus. Currently this department, with its graduate enrollment consistently increasing, is virtually at maximum space capacity. This constraint poses very serious problems for growth of externally funded projects.**

**A. Immediate space solutions for biology**
**B. New Engineering and Science building**
**C. Core instrumentation lab serving the entire College**
**D. Research space – Computer Science**

## ENDOWED CHAIRS

**As state funding decreases it becomes ever so important to find sources of funding for any and all of our needs. It has become clear that Endowed Chairs are a sure way to secure the future for enhancing teaching and research.** ***We will place major emphasis on securing endowments to support Chair and Professorship appointments.***

## ACADEMIC PROGRAMS

**Academic programs are the heart and soul (and fingerprint) of any institution. Expansion of academic programs is a way to adjust to the changing needs of the State.** ***Below you will see the academic programs we feel are essential to appropriate growth in our College over the next planning cycle: ****

**A. Computer Engineering (BS) Interdisciplinary**
**B. Material Science and Engineering (MS & PhD) Interdisciplinary**
**C. Construction Science and Management (BS) (name change)**
**D. Engineering (MS)**
**E. Program accreditations where appropriate**
**F. Conservation and Integrative Biology (PhD)**
**G. Mathematics (PhD) (Mathematics with emphasis in Discrete Math)**
**H. Engineering Physics (BS) Interdisciplinary**
**I. Concrete Industry Management (BS) (finalize)**
**J. Computer Science (PhD)**
*** - List not prioritized**

## PROMOTION & TENURE ISSUES
## College Level

**At the present time our College has yet to come to grips with how to evaluate scientists in tenure track positions who choose to conduct scholarship in education related fields. Our recently re-worked promotion & tenure document (a document designed by committee) does not deal with this issue effectively. Our administration has established, as a priority, increasing our success with science and math education. But *without a clear set of evaluation criteria for tenure track science educators, faculty will opt for traditional research activity. This will and must be corrected.***

## STAFFING
## Faculty, Instructional Assistantships & Staff

- *Establish appropriate faculty/student ratios for all departments with special attention to those departments where a heavy service workload exists (Biology, Math, Chemistry, Physics) and research is relevant.* Procure additional faculty positions that achieve appropriate balances to the F/S ratio in all departments.
- Improve number of and salaries for instructional assistants
- *Examine administrative and technical staffing* at all levels and make *recommendations for adding and/or reorganizing staff* for more appropriate workload distribution.