Who Are We?

Faculty

Students

Community

Administration

Alumni

Staff
Morrill Act, 1862

... at least one college (in each state) where the leading object shall be, without excluding other scientific and classical studies and including military tactics, to teach such branches of learning as are related to the agriculture and the mechanic arts...
Create, Innovate and Build
Mechanical Engineering
Aerospace Engineering
Mechanical Engineering Technology
Architectural Engineering
Architecture
Biosystems & Agricultural Engineering
Chemical Engineering
Civil & Environmental Engineering
Computer Engineering
Construction Management Technology
Electrical Engineering
Electrical Engineering Technology
Fire Protection & Safety Technology
Industrial Engineering & Management
Fast Facts in CEAT

- 771 Degrees granted
- 4273 Students
- 151 Faculty (+9 open positions)
- $22 million in Research (FY13)
- 894+ New Freshman (AY13-14)
- 6742 Credit Hours of Distance Education
  - 1203 students in 246 Courses
- 31% Growth in # of Students in 6 years
OSU Stillwater

OSU Tulsa

OSU – OKC (2 yrs.)

77 OK Counties

- 29 Career Tech. Centers
- Regional Training Schools
- 30 mobile units
MAE
(24 Faculty Searching for 6 more)

- Jay Hanan:
  - Unprecedented specific strength materials developed: amorphous metal honeycombs and graphene reinforced polymer nano-composites.

- Keith Good, Prabhakar Pagilla, Karl Reid
  - The 12th International Conference on Web Handling was held in Stillwater, Oklahoma, USA, June 2-5, 2013.
  - New high speed low tension web line with the assistance of two of the WHRC sponsors: Kimberly Clark Corporation and Rockwell Automation.

- Lorenzo Cremaschi
  - 1st winner of the Innovative Research Grant from ASHRAE for studying smart nanolubricants for increasing energy efficiency of HVAC&R Systems
Incoming Students are not Students of 20 years ago.
Hall of Fame 2012 Class

Cal Vogt
- B.S. EE 1953
- M.S. EE 1960

Jerry Winchester
- B.S. Power Technology, 1983

Lt. Gen. (ret) Wilson Shoffner
- B.S. ME, 1963
Hall of Fame Honorees 2013

B.S. in FPST
Led the multinational safety programs for Mobil, CITGO & BP.
Served 4 U.S. Presidents on appointed commissions in the Dept. of Labor

Rixio Medina

B.S. and M.S. ARCH
Co-founder of Selzer-Schaefer in Tulsa.
Design Excellence Awards by AIA, Innovator of the Year by The Journal Record, & Public Works Project of the Year by APWA

Robert Schaefer

B.S. M.S. & Ph.D. IEM
Arthur &Young, KMPG Consultant with Fortune 100 retailers, Sr. VP of Global Business with Wal-Mart

Rick Webb
Star Programs

- 3 Programs Ranked in Best Affordable On-Line
  (geteducated.com)
  - #7 M.S. Engineering Technology Management
  - #10(tie) Industrial Engineering Management and Electrical and Computer Engineering

Graduate Degrees/Research
FY 13
- Goal: $8 million
- $41 million

Total CEAT Campaign

$124+ million

CEAT Campaign

Goal: $80 million
Time: December 31, 2014
CEAT Initiative I - Improve our retention by improving Math and Science Instruction, Student Excellent Center to build community, New Hands-on Laboratories, evaluation and training of faculty in the classroom
CEAT Initiative II – Engage our faculty and students in advancing applied science through research; Goal is to double our PhD graduates and research endeavors in 5 years.
CEAT Initiative III -

- Prepare students for the future work environment.
- Mobile Computing Platform in CEAT
- Global Experience to see the context
- Communication Skills training
- Business & Finance Skills
- Interdisciplinary electives
What Can We Do to Change the World and Educate the Next Generation?

- Make solar energy economical
- Provide energy from fusion
- Develop carbon sequestration methods
- Manage the nitrogen cycle
- Provide access to clean water
- Restore and improve urban infrastructure
- Advance health informatics
- Engineer better medicines
- Reverse-engineer the brain
- Prevent nuclear terror
- Secure cyberspace
- Enhance virtual reality
- Advance personalized learning
- Engineer the tools of scientific discovery
Industry and Alumni

- **Internships and Coops**
  - Encourage your Companies
  - Provide a Meaningful Experience in both technical and soft skills
  - Require the students to present on the projects to management

- **Invest in improving OSU laboratory experiences**
  - Exposure for you companies
  - Direct Training on your tools

- **Help encourage STEM education**
  - FIRST Robotic Coaches & Sponsors
  - FIRST LEGO League Coaches

- **Help find OSU Talented Students**