

The background features a collage of images related to engineering and education, including a building, students in a classroom, a person working with a model airplane, and a person using a 3D printer. A large, dark purple diamond shape is centered over the collage, containing the main text.

College of Engineering

2017 Fall Update with the President and Provost

K-STATE
2025

KANSAS STATE
UNIVERSITY

Top 50 Vision

- **University vision:** By 2025, Kansas State University will be recognized as one of the nation's top 50 public research universities.
- **College vision:** By 2025, the College of Engineering will be recognized as one of the nation's top 50 public research engineering colleges.
- **Currently ranked at 65**



COE Five-Year Goals (Year Four)

• Publications (per TTF)	←	2 to 3	(3.05)
• Ph.D. enrollment (per TTF)	←	1.5 to 2	(1.9)
• Expenditures \$K (per TTF)	←	\$230 to \$300	(241)
• Named faculty positions	←	29 to 40	(61)
• Research infrastructure	←	7 showcases	(7)
• Fresh/Soph retention	←	69% to 75%	(78%)
• UG creative inquiry	←	250 to 400	(767)
• National faculty awards	←	10 to 15	(18)
• Increase UG degrees	←	164	(187)
• Annual giving (\$M)	←	\$18	(\$20)

Undergraduate Student Quality

	Number of Putnam Scholars by college, fall 2017	Percentage of total
Agriculture	49	6.2%
Architecture, Planning and Design	10	1.3%
Arts and Sciences	238	29.9%
Business Administration	58	7.3%
Education	15	1.9%
Engineering	365	45.8%
Human Ecology	62	7.8%
K-State total	826	

46% of Putnam Scholars are in engineering.
20% of K-State undergraduates are in engineering.

Career Opportunities by Discipline

Total number of employers attending career fairs (2016 - 2017)

Design Expo	74
Agri-Industry	86
Business and Hospitality	86
Engineering	112
All University	385

Engineering has the largest number of employers attending discipline-specific career fairs.

Student Enrollment

Total enrollment and enrollment change over last three years by college – fall 2014 - 2017

Arts and Sciences	6,026	-1,077	Down (15%)
Human Ecology	2,701	-392	Down (13%)
Education	2,011	-242	Down (11%)
Agriculture	3,144	-226	Down (7%)
Salina (Polytechnic)	550	-175	Down (24%)
Business Administration	2,829	-75	Down (3%)
Veterinary Medicine	589	-31	Down (5%)
Architecture, Planning and Design	743	+22	Up (3%)
Engineering	4,183	+206	Up (5%)
K-State Total	22,795	-1,990	Down (8%)

Engineering is the only college with a significant enrollment increase over the last three years.

Philanthropic Giving

Total campaign funds raised by college as of 9/25/2017	Percentage of total	
Education	\$13M	1%
Polytechnic	\$20M	2%
Human Ecology	\$30M	3%
Architecture, Planning and Design	\$31M	3%
Veterinary Medicine	\$61M	6%
Arts and Sciences	\$79M	7%
Agriculture	\$85M	8%
Business Administration	\$97M	9%
Engineering	\$191M	18%
K-State Total	\$1.054B	

Engineering is the leading college in campaign philanthropic giving by 100%.

Research – Ph.D. Enrollment Growth

Ph.D. enrollment and Ph.D. enrollment change by college over the last three years – fall 2014 - 2017

Architecture, Planning and Design	6	- 4	Down (40%)
Agriculture	185	+15	Up (8%)
Education	126	+2	Up (2%)
Veterinary Medicine	39	+1	Up (3%)
Human Ecology	121	+8	Up (7%)
Arts and Sciences	445	-7	Down (2%)
Engineering	219	+54	Up (33%)
K-State Total	1,141	+68	Up (6%)

Engineering's Ph.D. enrollment increase has been the primary driver of K-State's Ph.D. enrollment growth.

Research – F&A Generated

College	Expenditures	F&A
Arts and Sciences	\$29.2M	\$4.6M
Agriculture	\$82.9M	\$3.7M
Engineering	\$27.5M	\$2.5M
Veterinary Medicine	\$19.7M	\$2.5M
Human Ecology	\$7.2M	\$0.9M
Education	\$3.1M	\$0.3M
Total	\$170M	\$14.5M

Facilities and Administrative Cost (F&A)

- Standard F&A rate = 50%
- 3-year averages (FY14-16)

The average college-generated F&A is \$2.4M.
Engineering generates more than the average F&A.

Accomplishments and Priorities

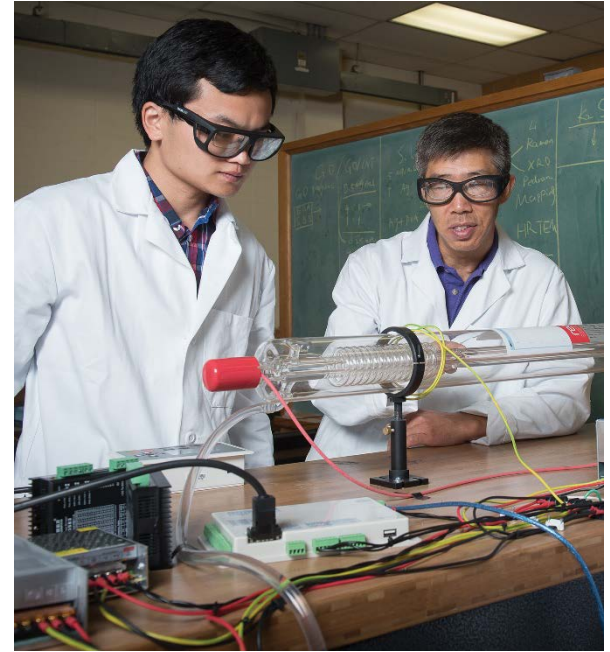


Accomplishments

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Key Priorities for AY17-18

- Restart faculty hiring plan
- Increase Ph.D. enrollment
- Increase research funding
- Philanthropy
 - Faculty endowment positions
 - Departmental facility priorities
 - ASC and ELI student programs



K-State – KU Engineering Comparison

- U.S. News & World Report rankings
 - K-State undergraduate program – 78
 - K-State graduate program - 102
 - KU undergraduate program - 78
 - KU graduate program - 94
- Base funding + additional funding (FY18)
 - K-State: \$22.5M for 3,732 undergraduates (\$6,000 per student)
 - KU: \$23.4M for 2,445 undergraduates (\$9,600 per student)
- Facility construction
 - K-State: Added 90,000 square feet
 - KU: Added 180,000 square feet



Thank You!

