



College of Arts and Sciences

2018 Fall Update with the President and Provost

K-STATE
2025

KANSAS STATE
UNIVERSITY

2025 Benchmarks: College Quick Summary

Benchmark Goal	2010 Baseline	FY17	FY18	2025 College Goal
B-1 Research expenditures	\$31.2 M	\$30.7 M	\$29.8 M	\$49 M
B-1a Extramural Awards		\$27.2 M	\$51.3 M ⁴	
B-2 Endowment	\$39 M	\$59.4 M	\$66.3 M	\$100 M
B-3 Annual giving	\$5M	\$12.5 M	\$21.6 M	\$20 M
B-4 Faculty awards (CMUP)		4 [†]	3 [†]	6 per year
B-5 PhDs per year	57	63	57	90
B-6 Fr/Sophomore retention	77%	81%	83%	90%
B-7 Six-year grad rate	53%	58%	58%	70%
B-8 UG research participation	?	572*	670*	TBD

*number of students enrolled, not necessarily all distinct

[†]NSF CAREER awards: **Dan Rolles**, Physics and **Ho Leung Ng**, Biochemistry & Molecular Biophysics
National Humanities Center Fellow, Rockefeller Foundation Fellowship: **Lisa Tatonetti**, English

⁴# includes \$18M software gift

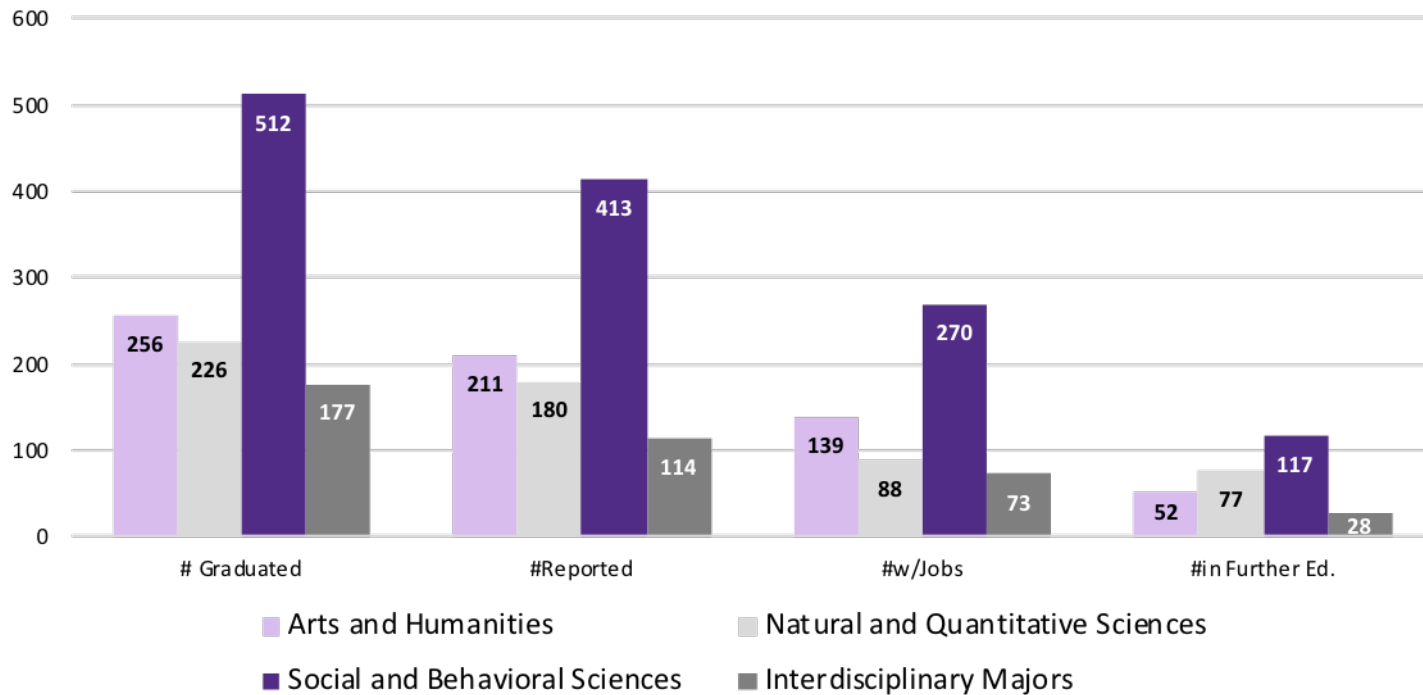
Arts and Sciences Awards - Highlights

- Arts and Sciences generated **\$51.3 million** in extramural research awards in FY18
- In the last **five** years, Arts and Sciences has had **four** Recipients of the Presidential Award for Outstanding Department Head.
- In the last **five** years, **eleven** Arts and Sciences students have won NSF Graduate Fellowships [only 1 student was a Putnam scholarship recipient.]
- In the last **five** years, **five** Arts and Sciences students have won Goldwater Scholarships [0 of them were Putnam scholarship recipients.]

Student Awards

- NSF Fellows: **Adam Schieferecke**, combined Bachelor of Science and Master of Science student in biology; **Kyle Apley**, senior in chemistry; **Benjamin Archibeque**, senior in physics and psychology; and **Priscila Guzman**, doctoral student in biology
- **Vaithish Velazhahan**, senior in microbiology, medical biochemistry and pre-medicine is one of only 35 students in the United States to receive the **2018 Gates Cambridge Scholarship**.
- 2018 Sullivan Poetry Award, **Lydia de Wolf**, doctoral student in mathematics

Post-graduation Statistics for Undergrads 2016-17



Faculty Awards

- University Distinguished Professors

Three UDPs in the last two years from Arts and Sciences

- James Sherow | History | 2018

- Phillip Klebba | Biochemistry and Molecular Biophysics | 2017

- Yan Soibelman | Mathematics | 2017

- Big 12 Faculty Fellowships: **Behzad Ghanbarian and Matthew Brueseke**, Geology; **April Petillo and Shireen Roshanravan**, American Ethnic Studies.

Faculty Awards (continued)

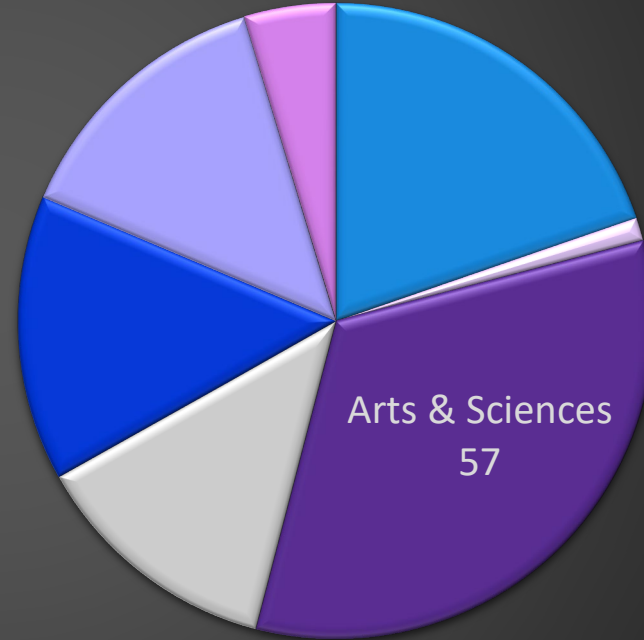
- **Daniel Rolles**, Physics – NSF CAREER Award
- **Ho Leung Ng**, Biochemistry & Molecular Biophysics – NSF CAREER Award
- **Lisa Tattonetti**, English – National Humanities Center Fellow, Rockefeller Foundation Fellowship
- *Awards highlighted are based on Center for Measuring University Performance Award Metrics

University-wide Faculty Awards

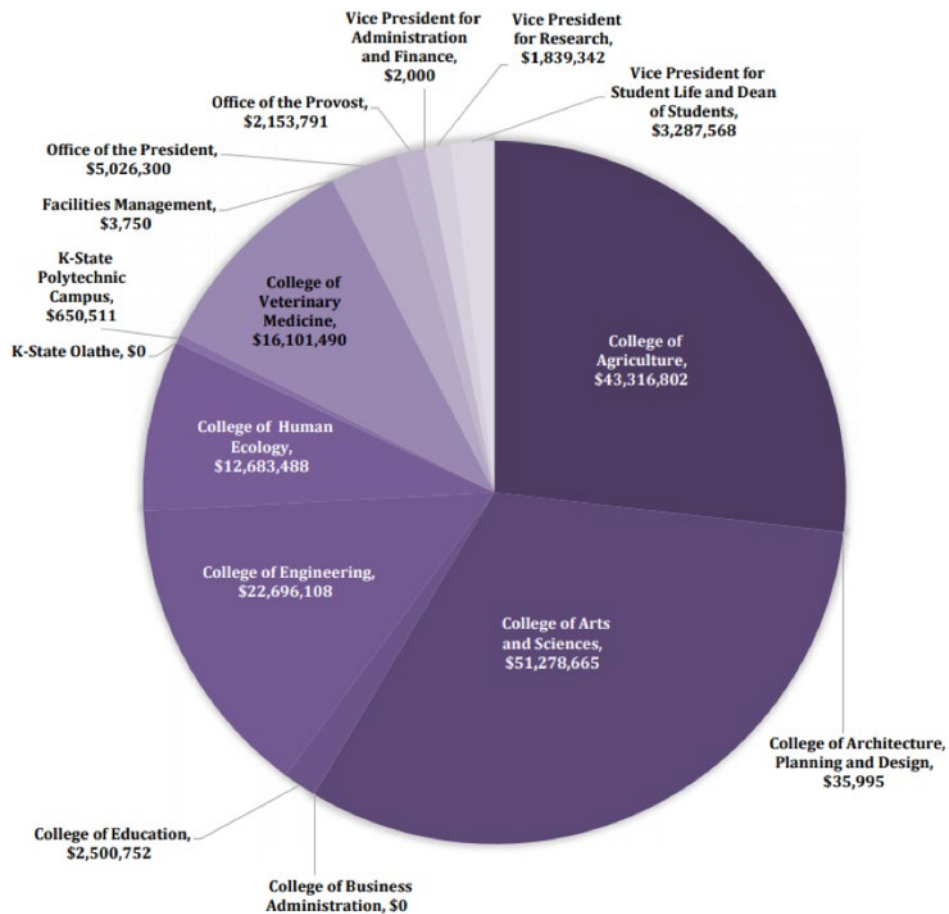
- Commerce Bank and W.T. Kemper Foundation Distinguished Graduate Faculty Award:
Frederick Burrack, *music* ; **Christine Aikens**, *chemistry*
- Commerce Bank and W.T. Kemper Foundation Undergraduate Outstanding Teaching Award:
Daniel Kuester, *economics*
- Kansas State University Excellence in Engagement Award:
Bonnie Lynn-Sherow, *history, Chapman Center for Rural Studies*
- Presidential Award for Excellence in Undergraduate Teaching:
Heather Bailey, *psychological sciences* ; **Nathaniel Birkhead**, *political sciences*; **Amanda Martens**, *psychological sciences*
- Presidential Award for Outstanding Department Head:
Jeff Pickering, *political science*

Ph.D. Awarded by College:
172 Total

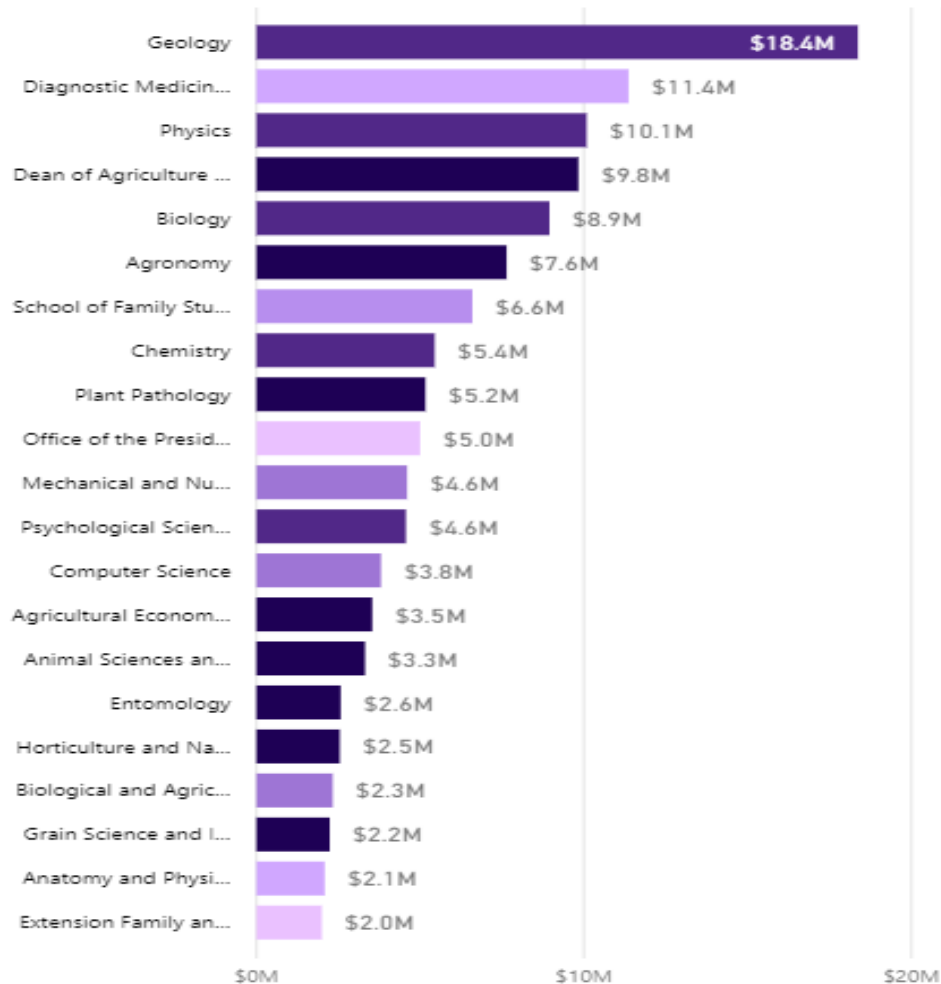
- Agriculture
- Architecture
- Arts and Sciences
- Engineering
- Education
- Human Ecology
- Vet Med.



FY2018 Extramural Award Dollars By College / Office



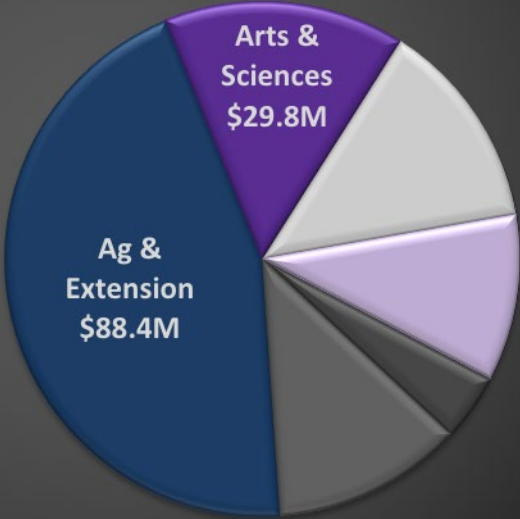
College/Office -> Department



Arts and Sciences leads the university in SRO Recovery on research projects

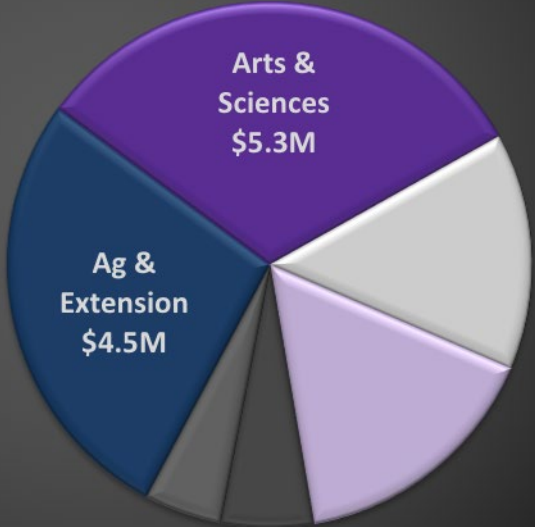
Total Research Expenditures by College FY2017 Total: \$196.5M

- Ag & Extension - \$88.4M
- Arts & Sciences - \$29.8M
- Engineering - \$26.0M
- Vet Med - \$20.6M
- Human Ecology - \$8.3M
- All Others - \$23.5M



Indirect Research Expenditures (SRO Recovery) by College FY2017 Total \$16.6M

- Ag & Extension - \$4.5M
- Arts & Sciences - \$5.3M
- Engineering - \$2.4M
- Vet Med - \$2.6M
- Human Ecology - \$0.9M
- All Others - \$0.8M



*Source: NSF HERD Survey Data

Recently Funded Projects

- \$54.7M: Schlumberger Technology Corporation, Contract for PETREL, TECHLOG, PETROMOD, GEOX Software Donation, **Profs. Matthew Totten, Abdelmoneam Raef**
- \$1.9M: US Dept of Interior through KS Dept of Wildlife, Parks and Tourism: Survival Rates, Habitat Selection, and Movement of Sympatric Mule Deer and White-tailed Deer in Kansas, Profs. **David Haukos, Andrew Ricketts**
- \$1.8M: NIH R35: Molecular control of microRNA gene-regulatory activity, Prof. **Anna Zinovyeva**
- \$1.5M: NSF DUE-IUSE: Collaborative Research: PhysPort's impact on teaching practice, Prof. **Eleanor Sayre**
- \$1.4M: NIH R01: Rapid Protease Profiling with a Multiplex Electronic Method for Detection of Metastatic Triple-Negative Breast Cancer, Profs. **Jun Li, Duy Hua**
- \$354K: National Science Foundation, Standard: Developing a Value Literate Culture in Science, Profs. **Scott Tanona, J.T. Lavery, Johnathan Herington**
- \$100K: National Endowment for the Humanities: Making the Leap: The Future of Rural Historical Societies and Museums, **Prof. Bonnie Lynn-Sherow**

Interdisciplinary Research

K-State philosophers **Scott Tanona** and **Jon Herington** and physicist **James "J.T." Lavery** have been awarded a **three-year, \$354,264 grant from the National Science Foundation** to investigate attitudes about the responsible conduct of research and their relationship to scientists' understanding of the aims of science.

The team aims to help scientists translate their own goals and values into good practices of teaching, mentoring, research, and will help them shape future science training by jointly clarifying how ethical STEM practice fits in to general goals of science.

“The research questions that get asked in interdisciplinary research are interestingly different from what people would ask within their own disciplines alone. Many unique ideas come from learning how different disciplines think and talk about the same problems. Our project has already benefited from the collaboration between science and humanities, and I am looking forward to what we are going to learn as we bring together our different areas of expertise.”

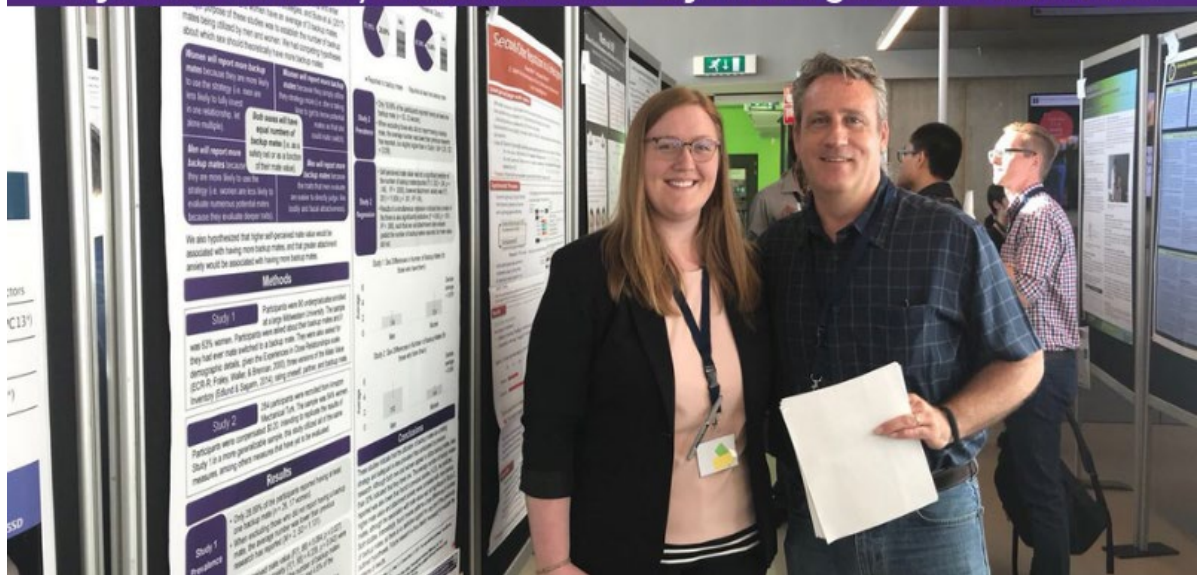
–Dr. Scott Tanona, Philosophy

Undergraduate Research

- 80 undergraduates received research scholarships in FY18, and 80 received travel scholarships to support research
- In the last five years, three Arts and Sciences students have won the University Award for Distinguished Undergraduate Student in Research.
- ALL Arts and Sciences departments offer opportunities for Undergraduate Research
- 130 Research and Travel Opportunities Fair participants

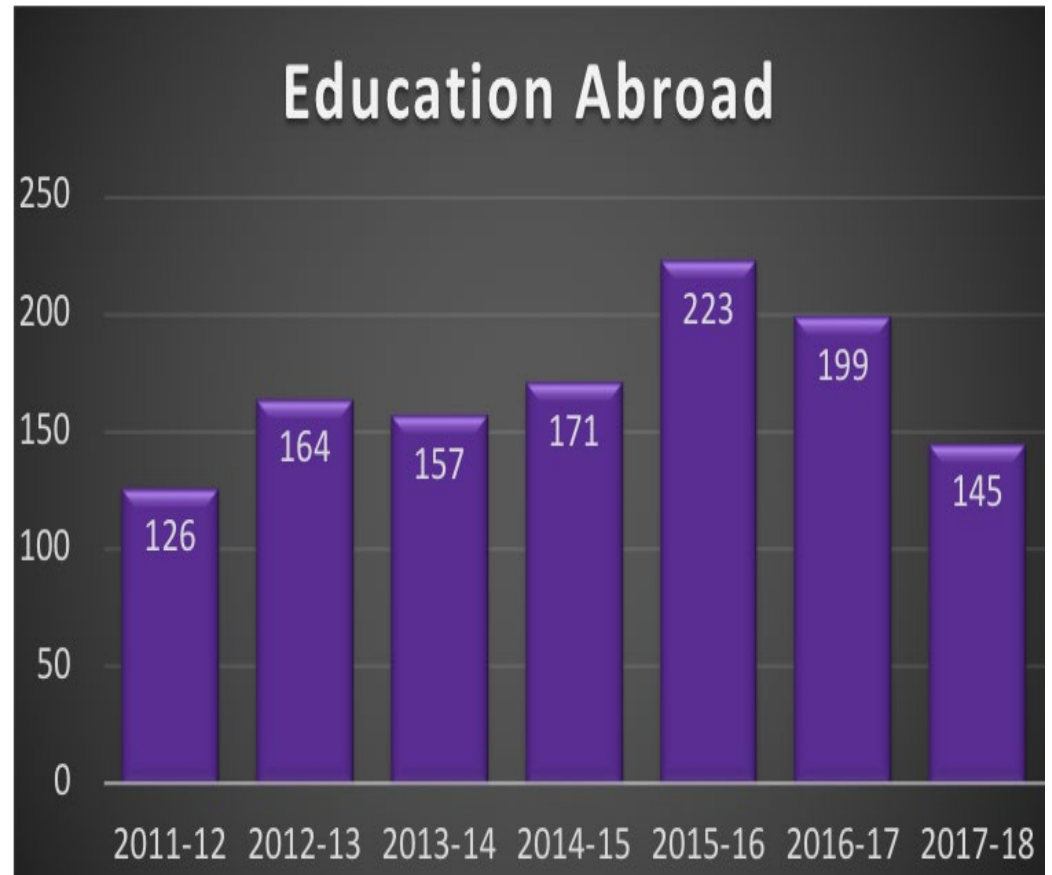
“My time as an undergraduate researcher has been the single most influential experience I have had in college. Beyond learning more than I ever thought I would, I have made amazing friends, traveled to international conferences, and been published. In my opinion, there is no better way to prepare yourself for graduate school or a career.”

—Sydni Huxman, Senior in Psychological Sciences



Scholarships offered through the College of Arts and Sciences

- Mattes Foreign Wander Award
- Rebecca and Aaron Graham Scholarship for International Understanding



Leadership Efforts in Diversity

- *College implemented US Multicultural Overlay for all students majoring in the college*
- Funded Diversity Lecture Series
- Funded Indigenous Alliance event
- Doug Benson Engagement Award to one student promoting diversity
- Recruitment and Retention of First Generation and Multicultural students
 - Junction City High School Recruitment visits
 - College Diversity Website updated
 - Student Diversity Summit
 - College of Arts and Sciences Teach-In
 - Promote IMHOTEP: K-State's Black Male Initiative
 - Participate in University's Efforts (LSAMP, KAWSE)
 - Hosted Lunch with the Dean for first-generation students

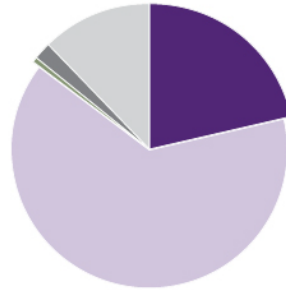
Endowment pool

\$66.3M

market value of the college pooled endowed investment as of June 30, 2018

Endowment to purpose for FY18

\$19,104,135



● Student success	21%
● Excellence	64%
● Faculty	1%
● Facility	2%
● Programmatic	12%

LAND-GRANT MISSION

- Student success and affordability
- Attract and retain top faculty

CENTERS OF EXCELLENCE

- Cancer Research
- Geosciences
- Research Innovation
- Chapman Center for Rural Studies

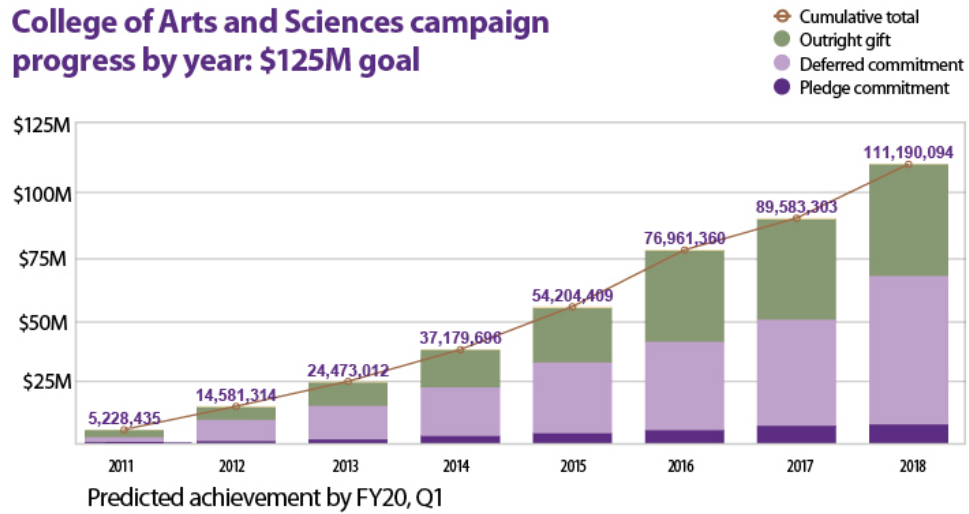
K-STATE 2025

THE K-STATE LEGACY

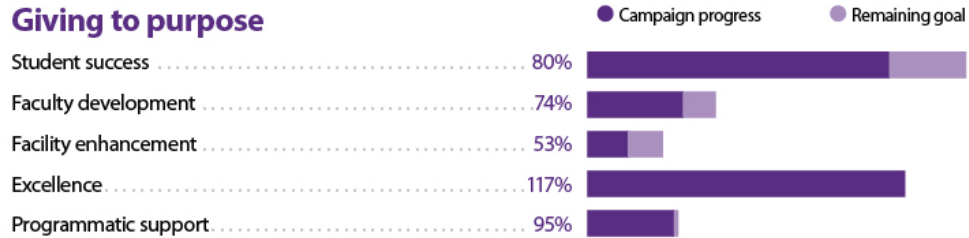
Estate gifts

- Student retention
- Research discoveries
- Support for top faculty

College of Arts and Sciences campaign progress by year: \$125M goal



Giving to purpose



Strategic Priorities for the Next Three Years

1. Deep Dive into the Budget Model --- Opportunities and Challenges

Innovative and interdisciplinary teaching

RSCAD, R1 and K-State 2025 Refresh

2. Research, Scholarly and Creative Activities, and Discovery

Large group interdisciplinary grants

Enhanced grant activity in all disciplines at the college

Strategic Priorities continued

3. Intimately Connected to the Strategic Enrollment Model

Yield Increase, Transfer Students, Health Focus

4. Private Fund Raising

Geosciences Building --- Partnership with the State of Kansas

\$2M private money spent on students; Scholarship for First Gen students

Faculty retention

Morrill Act (1862)

“... college 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 agriculture and the mechanic arts ... **in order to promote the liberal and practical education”**

Acknowledgements

- Kimathi Choma
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