



College of Arts and Sciences

Amit Chakrabarti

2017 Fall Update with the President and Provost

K-STATE
2025

KANSAS STATE
UNIVERSITY

About Arts and Sciences

- We teach **68%** of all undergraduate credit hours with **100%** of K-State students taking at least one class in the college; we confer **30%** of all K-State degrees, including undergraduate, graduate, and doctoral
- More than **80%** of the university's prestigious scholarships (Goldwater, Rhodes, Marshall, Udall, etc.) are our majors
- Arts and Sciences generates **\$30 million** of K-State's extramural funding
- **Two-thirds** of all K-State Distinguished Professors and Distinguished Teaching Scholars are in our college

2025 Benchmarks - College

Benchmark Goal	Baseline	FY 16	FY 17	College Goal
B-1 Research expenditures	\$31.2 M	\$28.4 M	\$30.7 M	\$49 M
B-2 Endowment	\$39 M	\$55 M	59.4 M	\$100 M
B-3 Annual Giving	\$5 M	\$22 (#)M	\$12.5 M	\$20M
B-4 Faculty awards (CMUP)			4 [†]	6 per year
B-5 PhDs per year	57	63	63	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	?	59 A&S scholarships	572*	TBD

* number of students enrolled, not necessarily all distinct

[†] Fulbright scholars: **Phil Tiemeyer**, history, to Belgrade, Serbia
 NSF CAREER
Eleanor Sayre, physics, to Canada;
 awards: **Emily McLaurin**, chemistry and **Matt Berg**, physics
 # includes \$10M software gift

Achievements

- Faculty awards
- Research and scholarly work
- Undergraduate and graduate student experience



Faculty Awards

University Distinguished Professors

Three of last seven UDP's are in Arts and Sciences

- Phillip Klebba | Biochemistry and Molecular Biophysics | 2017
 - Yan Soibelman | Mathematics | 2017
 - Bharat Ratra | Physics | 2016
-
- 43+ faculty are fellows of professional societies
 - Big 12 Faculty Fellowships: **Cydney Alexis**, English, and **Carla Martinez Machain**, Sam Bell and **Alissandra Stoyan**, Political Science.

Faculty Awards (continued)

- **Walter Dodds**, Biology, Society for Freshwater Science Award of Excellence
- **James Sherow**, History, Midwestern History Association's prestigious Hamlin Garland Prize.
- **Christer Aakeroy**, Chemistry and **Philip Nel**, English: Higuchi-KU Endowment Research Achievement Awards
- **Rollie J. Clem**, Biology, Joan S. Hunt Distinguished Mentoring Award by K-INBRE
- **Nancy Muturi**, A.Q. Miller School of Journalism and Mass Communications, fellowship awarded by Carnegie African Diaspora Fellowship Program
- **Slawomir Dobrzanski**, Music, Badge of Honor for Outstanding Contributions to Polish Culture awarded by the Republic of Poland

University-wide Faculty Awards

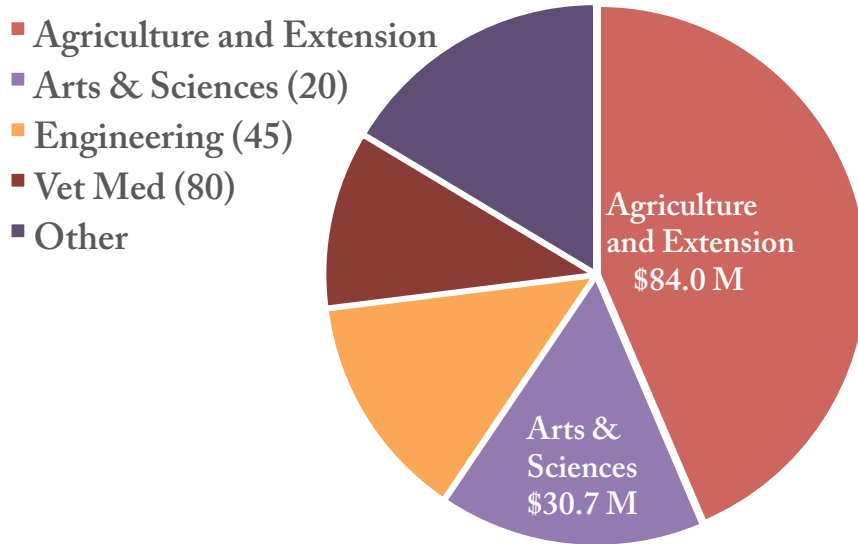
- Commerce Bank and W.T. Kemper Foundation Distinguished Graduate Faculty Award:
Zongzhu Lin, mathematics
- Commerce Bank and W.T. Kemper Foundation Outstanding Teaching Award:
Sabri Ciftci, political science
- Presidential Awards for Excellence in Undergraduate Teaching:
Ashley Rhodes, biology, Craig Spencer, mathematics
- Presidential Award for Outstanding Department Head:
Karin Westman, department head of English
- University Distinguished Faculty Award for Mentoring of Undergraduate Students in Research:
Ted Morgan, biology

Recently Funded Projects

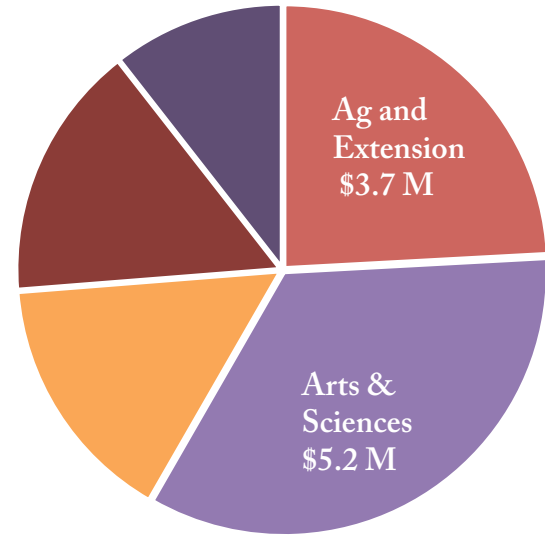
- \$10.6 M: NIH COBRE: Cognitive and Neurobiological Approaches to Plasticity (C-NAP) center, Profs. **Kimberly Kirkpatrick, Loschky, Bailey, Cain and Pickens**
- \$3.6 M: NSF EPSCoR: RII Track-1: Microbiomes of Aquatic, Plant and Soil Systems (MAPS) mediating sustainability: An observational and experimental network across Kansas, Prof. **Walter Dodds, C. Rice, L. Zeglin**
- \$1.7 M NSF MRI: Agro-combs: Development of a mid-infrared dual-comb spectrometer for the detection of agriculturally significant gases, Prof. **Kristan Corwin, S. Welch, E. Alvarez Santos, and B. Washburn**
- \$0.5 M NSF MRI: Acquisition of an electrospray ionization triple quadrupole mass spectrometer with ion mobility spectrometry for improved plant lipidomics, Prof. **Ruth Welti, G. Morris, K. J. SV, T. Durrett, and K. Schrick.**
- \$0.35 M NSF MRI: Acquisition of a GPU-Enabled Compute Cluster for Molecular Modeling Applications, Profs. **Christine Aikens, P. Smith, B. Liu, D. Andreson, J. Comer, and J. Schmit**

Arts and Sciences leads the university in indirect research expenditures.

Total Research Expenditure by College
FY 2016 Total: \$193 M



Indirect Research Expenditure by College
FY 2016 Total: \$15.2 M



Undergraduate Research

Undergraduate research scholarships

FY 2016: 59

FY 2017: 83 scholarships to 79 students

Total travel scholarships supporting research in FY 2017: 205

Undergraduates: 63

Graduates: 142



Student Success: Undergraduate

- Goldwater Scholars: winner **Vaithish Velazhahan**, microbiology, biochemistry and pre-medicine; honorable mentions **Molly Bassette**, biology and biochemistry, **Kyle Apley**, chemistry; **Kathlyn Tan Gomendoza**, biology
- 2017 University Award for Distinguished Undergraduate Student in Research **Navanté Peacock**, anthropology and psychological studies
- 2017 Sullivan Poetry Award, record 82 applicants from 7/8 K-State colleges. Winner was **Riley Gay**, a senior English major specializing in creative writing

Student Success: Graduate

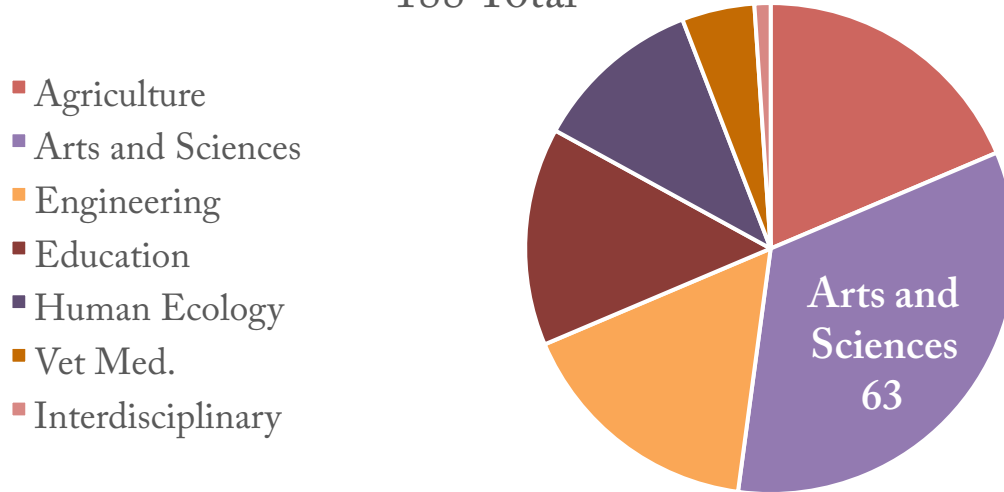
National Science Foundation Graduate Research Fellows

Three-year appointment, which includes a \$34,000 annual stipend and \$12,000 for tuition and fees.

- Victoria Fitzgerald, master's student in geology
- Jordann Brandner, doctoral student in psychology
- Robert “Kent” Connell, doctoral student in biology
- Samantha Sharpe, doctoral student in biology (honorable mention)

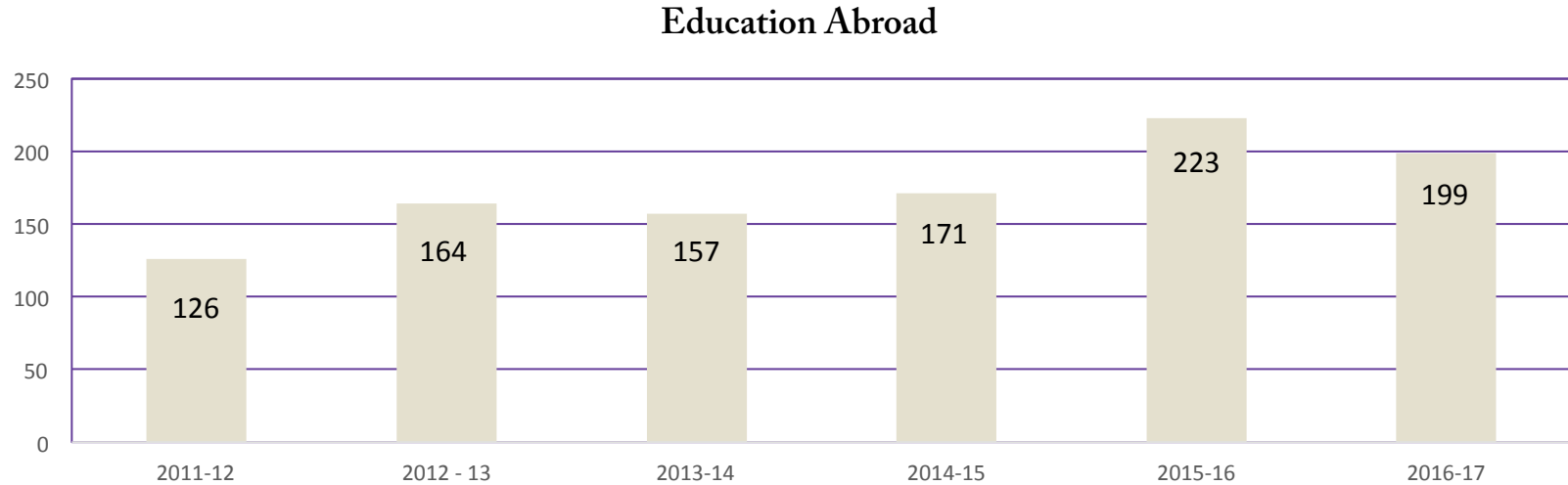
Arts and Sciences leads the university in Ph.D. graduates.

Ph.D.'s Awarded by College:
188 Total



Education Abroad

General increase in number of students choosing international experiences



Leadership Efforts in Diversity

- *College passed US Multicultural Overlay for all students majoring in the college*
- Funded Diversity Lecture Series
- Funded Indigenous Alliance event
- Doug Benson Engagement Award to three students promoting diversity
- Recruitment and Retention of First Generation and Multicultural students
 - Junction City High School Recruitment visits
 - College Diversity Website updated
 - Promote IMHOTEP
 - Participate in University's Efforts (LSAMP, KAWSE)

Strategic Priorities for the Next Three Years

Intimately Connected to Land Grant University Ideal

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**”

Strategic Priorities: RSCAD growth
Securing the liberal arts foundation
Resources

RSCAD Growth

Growth in both Research Expenditures and Scholarly Work

- Centers of Excellence: Geosciences, Cancer Center, Chapman Center
- Multidisciplinary group grants: DoD and NIH are top priority, NSF center-type grants, work with other colleges and build unusual connections
- Social Sciences/Arts and Humanities Task Force Recommendations: Grant Specialist/Faculty Fellows Program
- Recruitment, retention, and recognition of faculty
- Junior faculty awards

Securing the Liberal Arts Foundation

- Promote departments that bolster the diverse, open-minded thinking so essential to our students' success
 - National search for department heads: CS, GWSS, JMC, SASW, Stat
 - Small class room sizes, interactive learning, students participating in RSCAD and instruction
- Ensure partner colleges recognize the value of Arts and Sciences courses essential to their students' growth and maturity
- Industries need critical thinkers: Dallas Mavericks owner Mark Cuban shared a bold prediction about the future of jobs: that within the next decade, as automation becomes the norm, free thinkers who excel in liberal arts will be in high-demand (*Forbes Magazine*)

Resources

- Fundraising for Centers of Excellence
 - State funds for Geosciences
- Fundraising for Faculty Chair --- retention of top-notch faculty
- Recruitment and retention of students
 - Faculty presentations in high schools, advising, joint work with NWS, Inviting speakers
 - Fundraising for Scholarships
- Historic budget model is neither equitable nor providing appropriate incentives



Acknowledgements

- Kristan Corwin
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