# 2025 Benchmarks: College Quick Summary

<table>
<thead>
<tr>
<th>Benchmark Goal</th>
<th>2010 Baseline</th>
<th>FY17</th>
<th>FY18</th>
<th>2025 College Goal</th>
</tr>
</thead>
<tbody>
<tr>
<td>B-1 Research expenditures</td>
<td>$31.2 M</td>
<td>$30.7 M</td>
<td>$29.8 M</td>
<td>$49 M</td>
</tr>
<tr>
<td>B-1a Extramural Awards</td>
<td>$27.2 M</td>
<td>$51.3 M⁴</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B-2 Endowment</td>
<td>$39 M</td>
<td>$59.4 M</td>
<td>$66.3 M</td>
<td>$100 M</td>
</tr>
<tr>
<td>B-3 Annual giving</td>
<td>$5M</td>
<td>$12.5 M</td>
<td>$21.6 M</td>
<td>$20 M</td>
</tr>
<tr>
<td>B-4 Faculty awards (CMUP)</td>
<td>4†</td>
<td>3†</td>
<td></td>
<td>6 per year</td>
</tr>
<tr>
<td>B-5 PhDs per year</td>
<td>57</td>
<td>63</td>
<td>57</td>
<td>90</td>
</tr>
<tr>
<td>B-6 Fr/Sophomore retention</td>
<td>77%</td>
<td>81%</td>
<td>83%</td>
<td>90%</td>
</tr>
<tr>
<td>B-7 Six-year grad rate</td>
<td>53%</td>
<td>58%</td>
<td>58%</td>
<td>70%</td>
</tr>
<tr>
<td>B-8 UG research participation</td>
<td>?</td>
<td>572*</td>
<td>670*</td>
<td>TBD</td>
</tr>
</tbody>
</table>

*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 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

- # Graduated:
  - Arts and Humanities: 256
  - Natural and Quantitative Sciences: 177
  - Social and Behavioral Sciences: 226
  - Interdisciplinary Majors: 114

- #Reported:
  - Arts and Humanities: 211
  - Natural and Quantitative Sciences: 180
  - Social and Behavioral Sciences: 114
  - Interdisciplinary Majors: 28

- # w/Jobs:
  - Arts and Humanities: 139
  - Natural and Quantitative Sciences: 88
  - Social and Behavioral Sciences: 73
  - Interdisciplinary Majors: 28

- # in Further Ed.:
  - Arts and Humanities: 52
  - Natural and Quantitative Sciences: 77
  - Social and Behavioral Sciences: 73
  - Interdisciplinary Majors: 28
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 Brueske, 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 Tatonetti**, 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.
Arts and Sciences leads the university in SRO Recovery on research projects.

**Total Research Expenditures by College**

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

**FY2017 Total: $196.5M**

**Indirect Research Expenditures (SRO Recovery) by College**

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

**FY2017 Total: $16.6M**

*Source: NSF HERD Survey Data*
Recently Funded Projects

- $54.7M: Schlumberger Technology Corporation, Contract for PETREL, TECHLOG, PETROMOD, GEOX Software Donation, Professors 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, Professors David Haukos, Andrew Ricketts

- $1.8M: NIH R35: Molecular control of microRNA gene-regulatory activity, Professor Anna Zinovyeva

- $1.5M: NSF DUE-IUSE: Collaborative Research: PhysPort's impact on teaching practice, Professor Eleanor Sayre

- $1.4M: NIH R01: Rapid Protease Profiling with a Multiplex Electronic Method for Detection of Metastatic Triple-Negative Breast Cancer, Professors Jun Li, Duy Hua

- $354K: National Science Foundation, Standard: Developing a Value Literate Culture in Science, Professors Scott Tanona, J.T. Laverty, Johnathan Herington

- $100K: National Endowment for the Humanities: Making the Leap: The Future of Rural Historical Societies and Museums, Professor Bonnie Lynn-Sherow
K-State philosophers Scott Tanona and Jon Herington and physicist James "J.T." Laverty 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.

“...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

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

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Campaign progress</th>
<th>Remaining goal</th>
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<tbody>
<tr>
<td>Student success</td>
<td>80%</td>
<td></td>
</tr>
<tr>
<td>Faculty development</td>
<td>74%</td>
<td></td>
</tr>
<tr>
<td>Facility enhancement</td>
<td>53%</td>
<td></td>
</tr>
<tr>
<td>Excellence</td>
<td>117%</td>
<td></td>
</tr>
<tr>
<td>Programmatic support</td>
<td>95%</td>
<td></td>
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</tbody>
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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

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