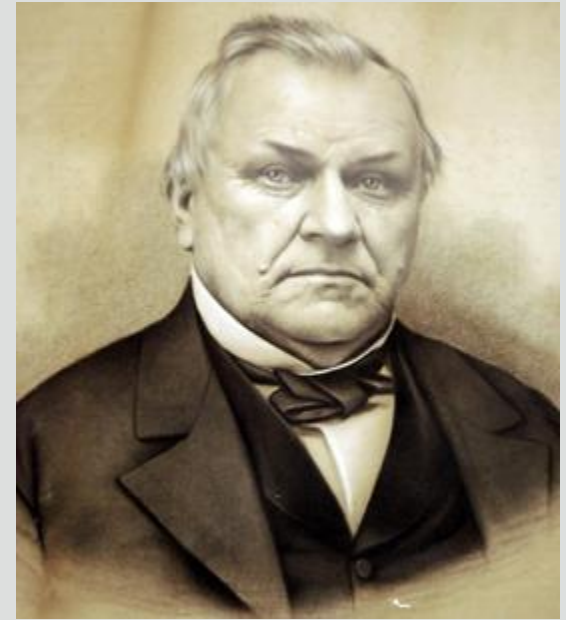




150



YEARS OF GIANT LEAPS



Goals, then and now:

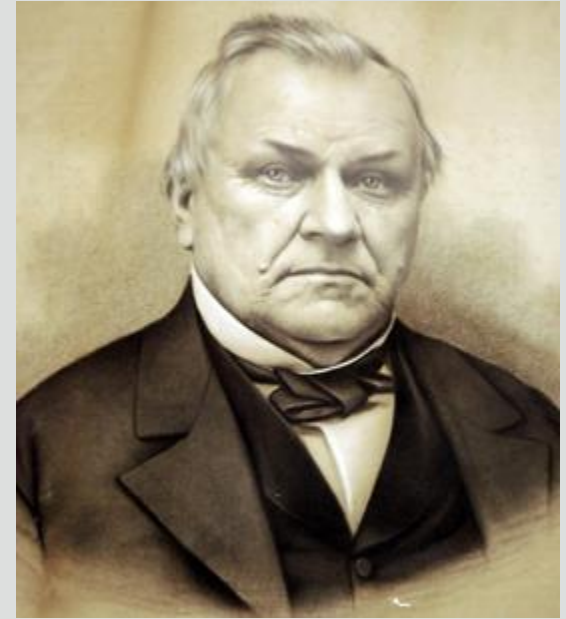
1. **More Hoosiers**
earning degrees

2. **Strengthen Indiana**
economically & civically

3. Advance **STEM & Life Sciences**

15 

YEARS OF GIANT LEAPS



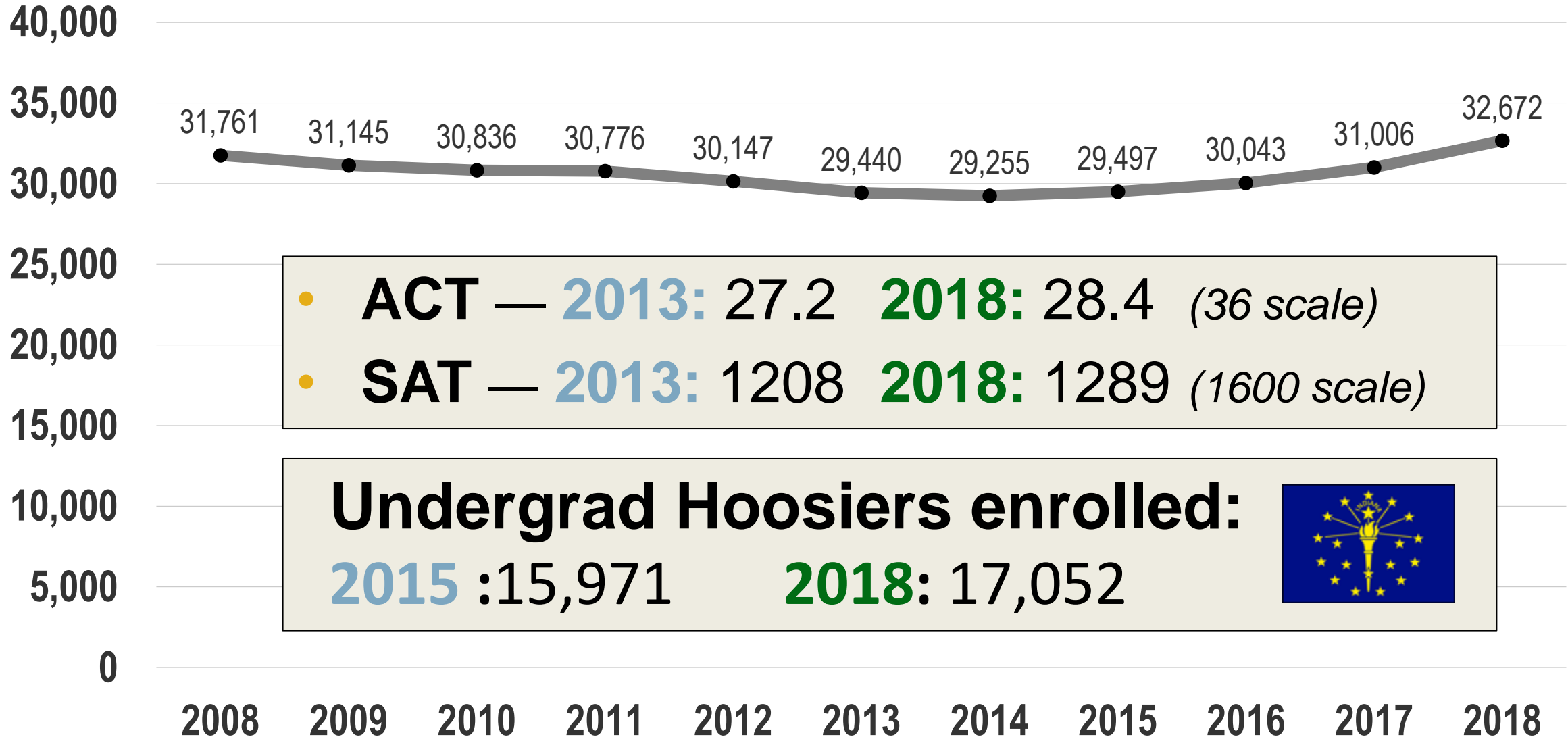
Goal, then and now:

More Hoosiers earning degrees

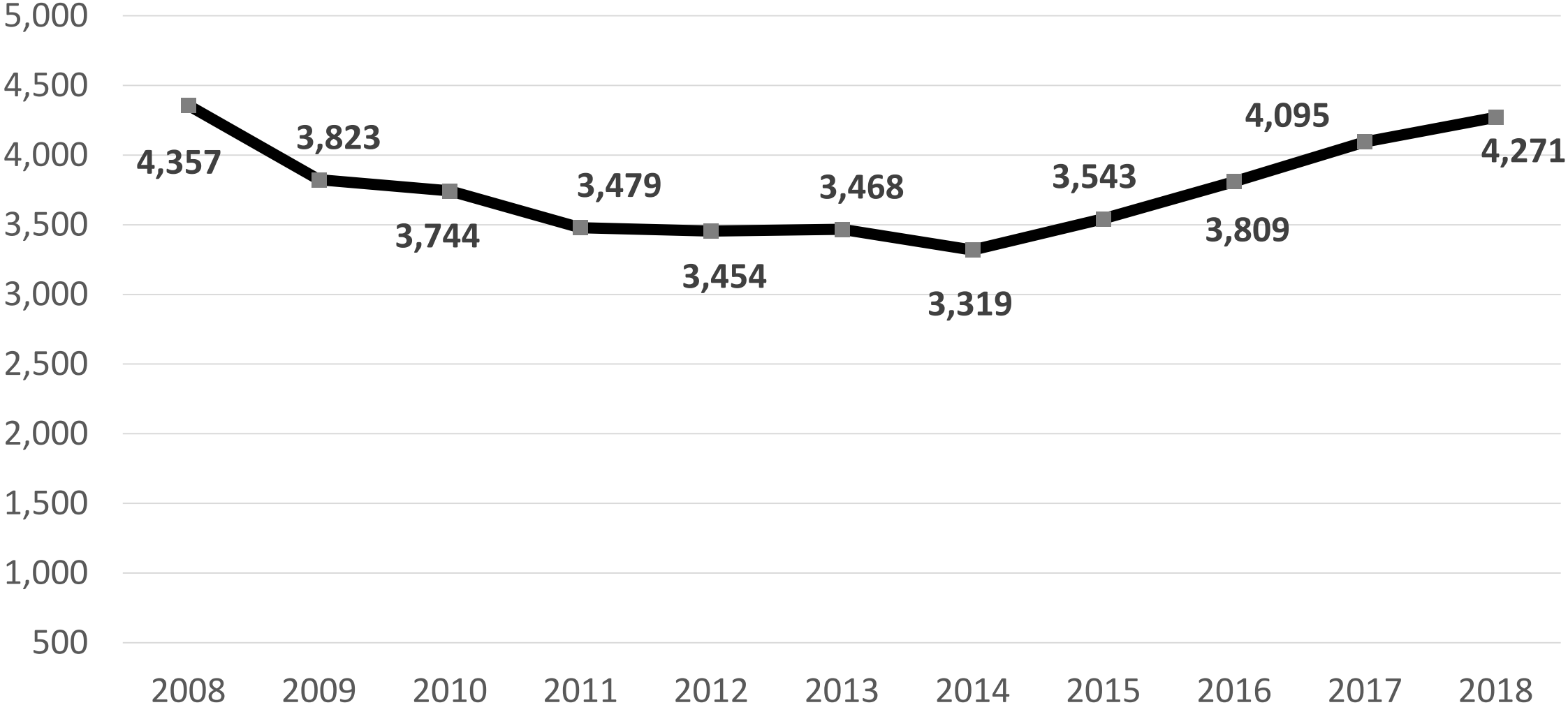
PURDUE DEGREE: IN HIGH DEMAND

Annual Applications	2014	2015	2016	2017	2018	Trend
TOTAL UNDERGRAD APPLICATIONS +13,500 vs 2014	40,022	45,377	48,776	48,916	53,442 <i>Record</i>	
INTERNATIONAL	11,581	13,376	13,715 <i>Record</i>	12,722	12,303	
NON-RESIDENT	19,681	22,611	24,913	25,261	29,590 <i>Record</i>	
RESIDENT +2,800 vs 2014	8,760	9,390	10,148	10,933	11,549 <i>Record</i>	

GROWING ENROLLMENT; GROWING ACADEMIC PROFILE



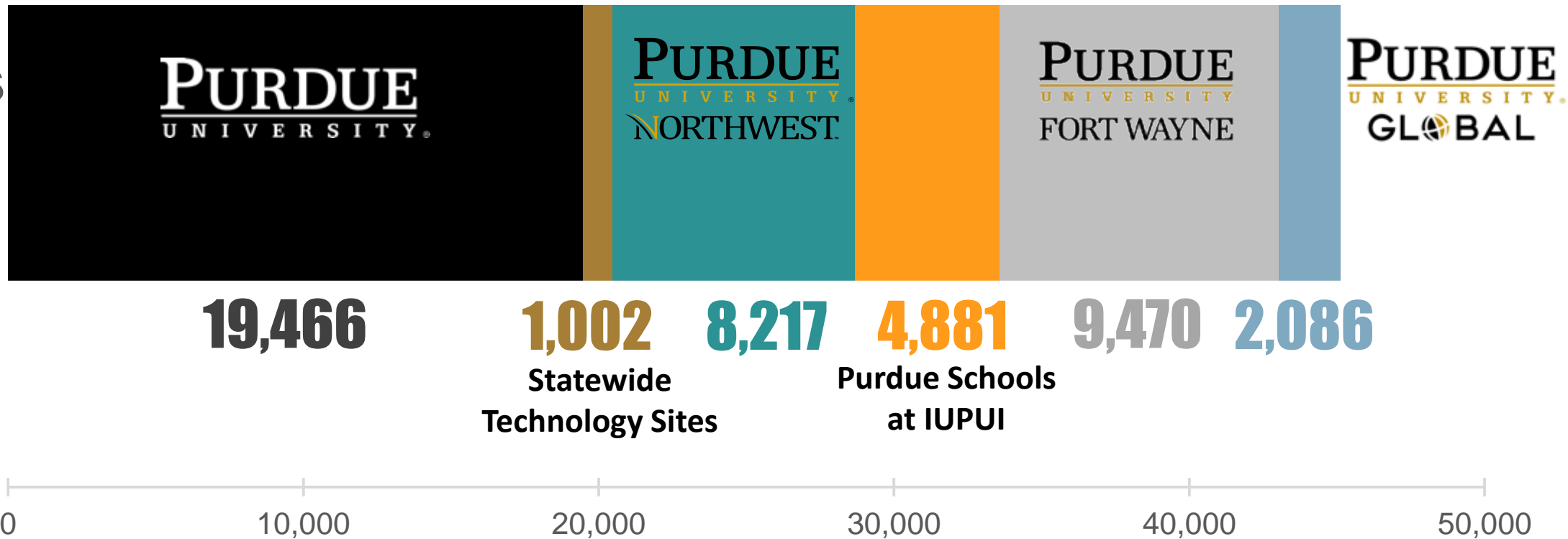
INDIANA ENROLLMENT -- FRESHMEN



45,000+ HOOSIERS ENROLLED ACROSS THE PURDUE SYSTEM

Hoosiers
Enrolled

All-Levels

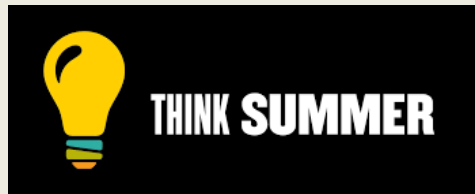


EXPANDING ACCESS THROUGH SUMMER START

- **478** students admitted in first three years who otherwise would have been denied
- **73%** of first cohort are now enrolled in their third year
- Almost entirely Hoosiers

"Summer Start really showed me what college is going to be like, how I need to manage my time and how to study properly. Without the program I wouldn't be here this fall."

*-Bryson McKee
Fort Wayne, Indiana*




$$\frac{\text{QUALITY}}{\text{COST}} = \text{VALUE}$$

Higher Education at the Highest Proven Value


$$\frac{\text{QUALITY}}{\text{COST}} = \text{VALUE}$$

Higher Education at the Highest Proven Value

BIG TEN TUITION RATE % CHANGE

Change from 2012-13 to 2017-18

	Resident	Non-Resident
Purdue WL	0%	0%
Big Ten Mean <i>(Excluding Purdue)</i>	+10%	+21%
Big Ten High	+18%	+44%

Based on preliminary IPEDS data, Excludes fees



STUDENT SAVINGS


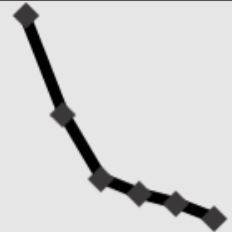
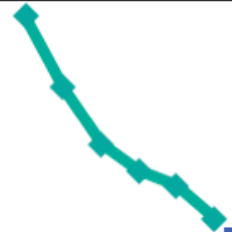
If Purdue were like other schools, tuition & fees would be:

- **\$1,400** more per year for residents (vs. 4-year public price increases)
- **\$5,560** more per year for non-residents (vs. Big Ten increases)

From FY13-19, Purdue families would have paid **\$465 million** more for tuition, fee, & room & board increases.



AFFORDABILITY RECORDS & TRENDS

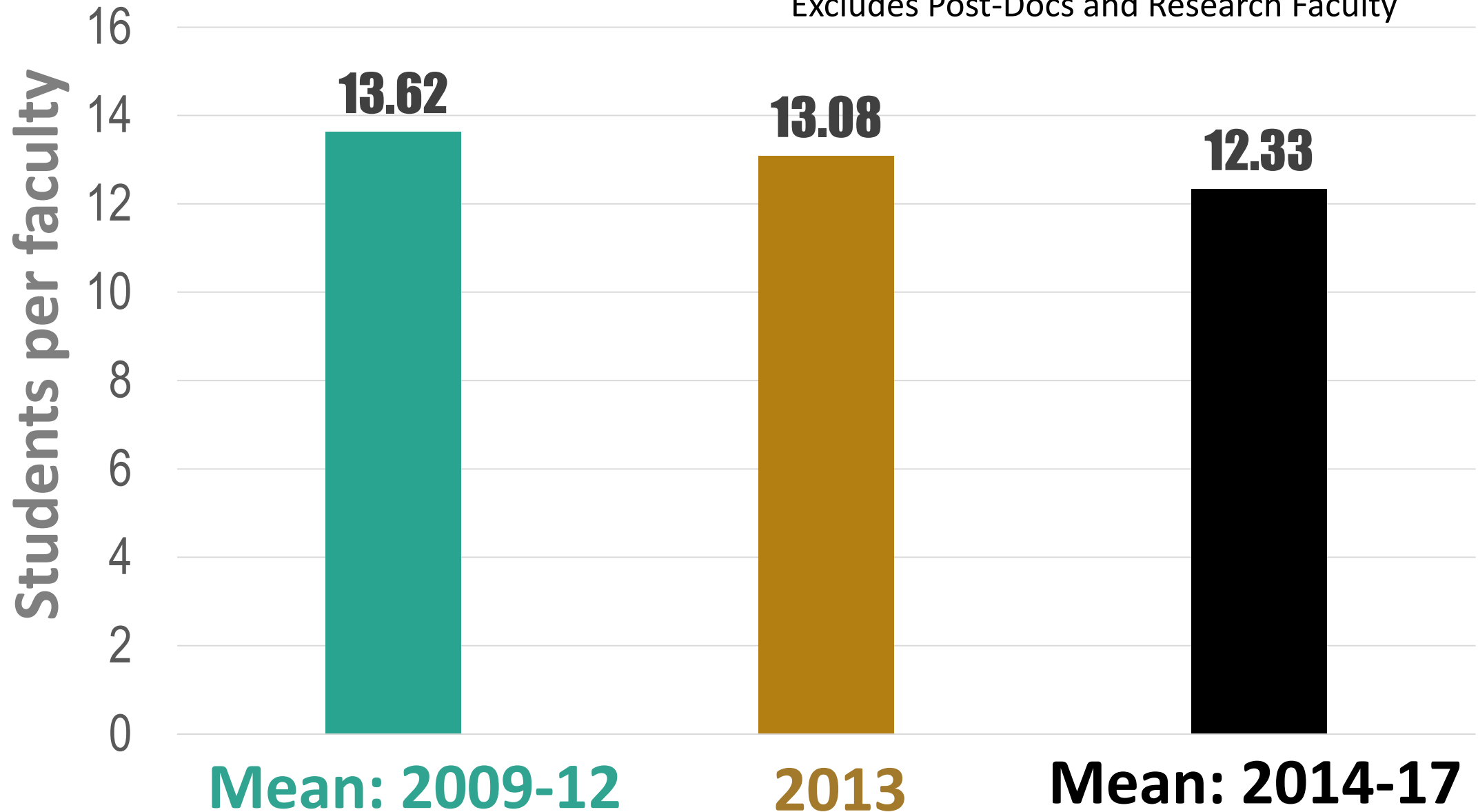
Affordability	2013	2014	2015	2016	2017	2018	2019	Trend
Room and Board Big Ten Cost Ranking 1 = Most Expensive	2	3	9	11	11	12	14	2nd most expensive to most affordable
Cost of Attendance Cheaper Today	\$23,468	\$23,242	\$23,002	\$23,032	\$23,032	\$22,812	\$22,822	
Total Loan Volume \$41 million less borrowed annually vs. 2013	\$164	\$144	\$131	\$128	\$126	\$123	TBD	
Debt Per Undergraduate	\$5,047	\$4,555	\$4,166	\$3,988	\$3,881	\$3,657	TBD	


$$\frac{\text{QUALITY}}{\text{COST}} = \text{VALUE}$$

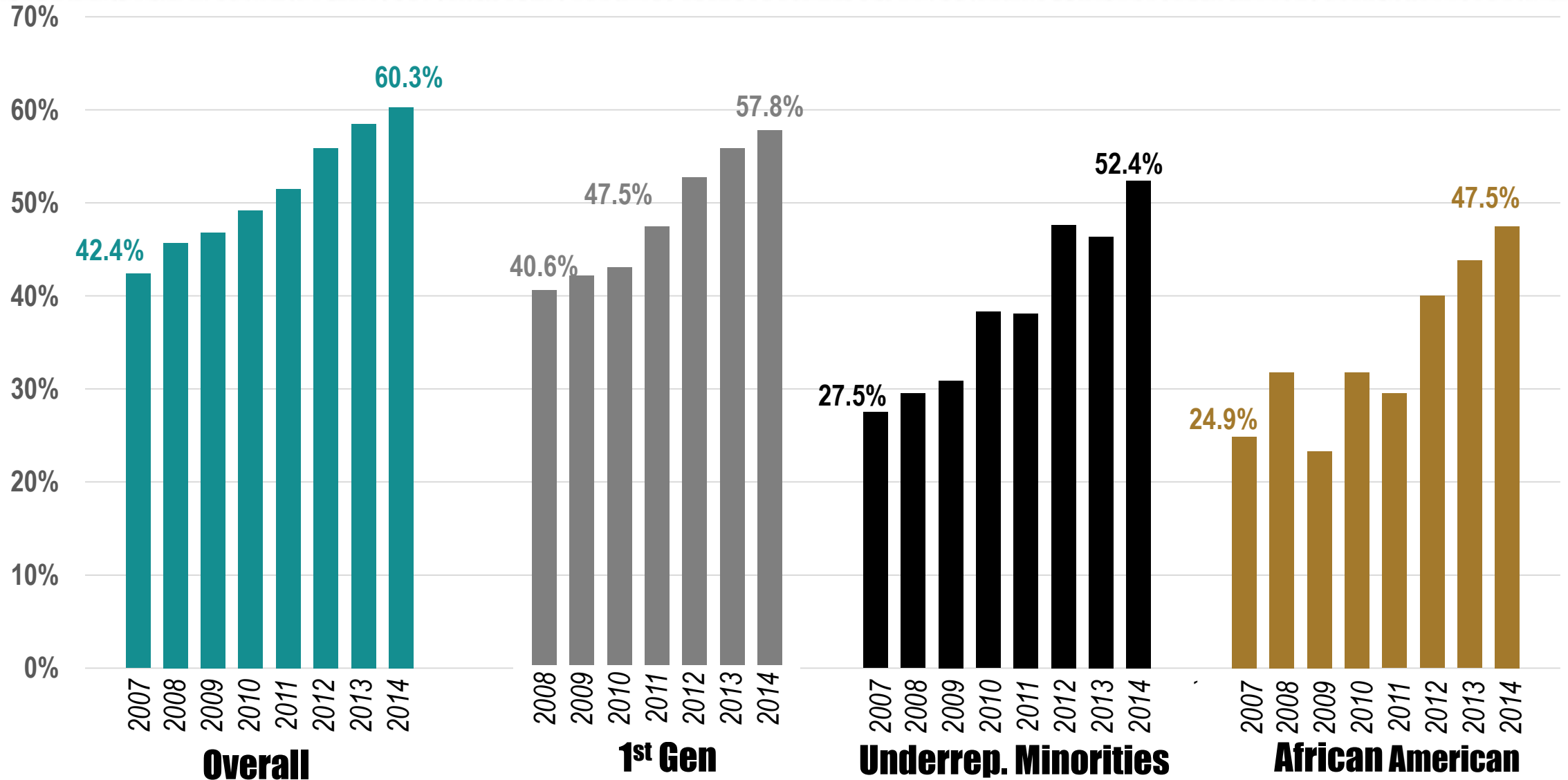
Higher Education at the Highest Proven Value

FACULTY GROWTH OUTPACED STUDENT ENROLLMENT GROWTH

Excludes Post-Docs and Research Faculty



4-YEAR GRADUATION RATES BY GROUP



ENTRY YEAR

PURDUE PROMISE

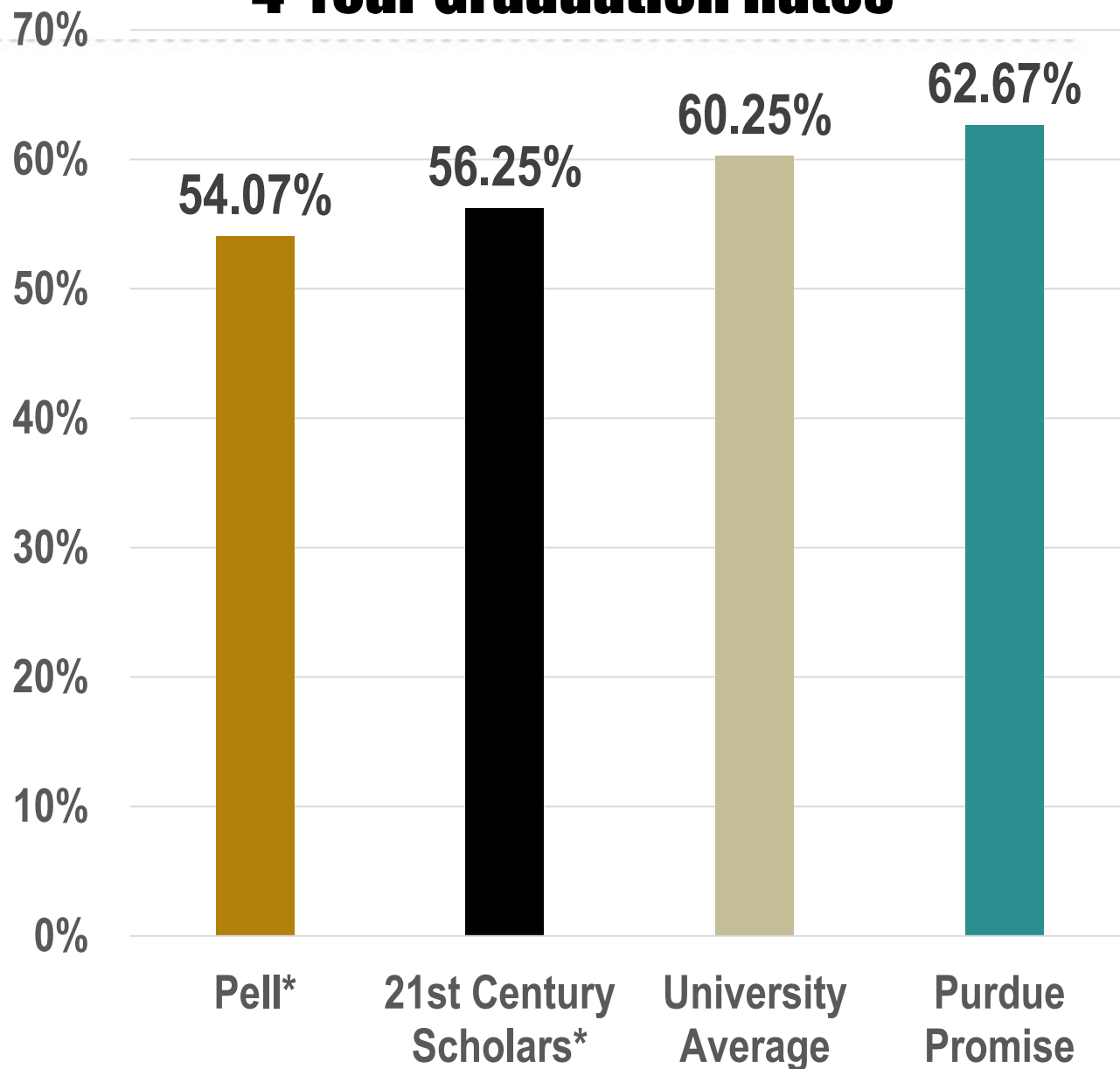
Program Provides:

- Personal coach
- Financial support
- 2 Seminars
 - College success for freshmen
 - Career success for seniors

Demographics

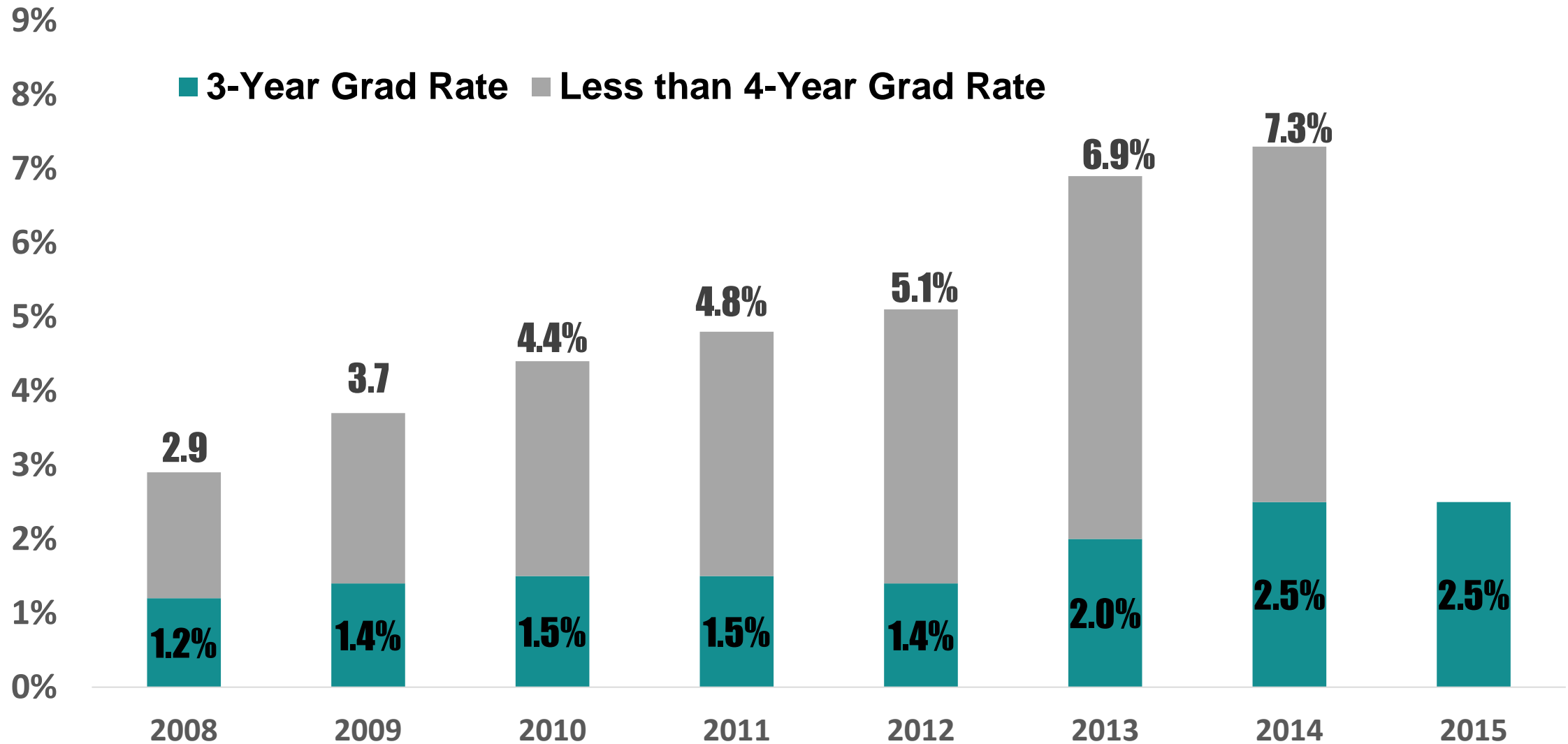
- 21st Century Scholars
 - Hoosiers only
 - Family income under \$50K
- 62% 1st Gen
- 28% Underrepresented Minority

4-Year Graduation Rates



**Excluding Purdue Promise*

LESS THAN 4-YEAR GRAD RATES



ENTRY YEAR



PURDUE
UNIVERSITY.

POLYTECHNIC HIGH SCHOOL

- Opened August 2017
- Enrolls 261 9th and 10th grade students
- Focuses on STEM education for inner-city students
- Offers direct admission to Purdue
- 2nd Indianapolis location announced soon

RECOGNITION AS A TOP UNIVERSITY

NO. 4 VALUE RANKING

THE WALL STREET JOURNAL.

Which Colleges Give You the Best Value in WSJ/THE Rankings

For the first time, the WSJ/THE College Rankings look at institutions that offer the most bang for the buck
By [Melissa Korn](#)

Sept. 5, 2018 7:01 p.m. ET

Harvard University, the Massachusetts Institute of Technology and Yale University rank as the best schools in the nation.

But in terms of value for the money, Berea College, the University of North Carolina at Chapel Hill and the University of Washington, Seattle top the list. **Purdue University**, in West Lafayette, Ind., and the University of California, Los Angeles round out the top five, with Harvard coming in sixth.



THE BEST VALUES

The schools among the top 250 overall that provide the best value, based on overall score and average net price

1. Berea College
2. University of North Carolina, Chapel Hill
3. University of Washington, Seattle
4. Purdue University, West Lafayette
5. University of California, Los Angeles
6. Harvard University
7. University of Illinois, Chicago
8. Georgia Institute of Technology
9. Rutgers University, Newark
10. Stanford University

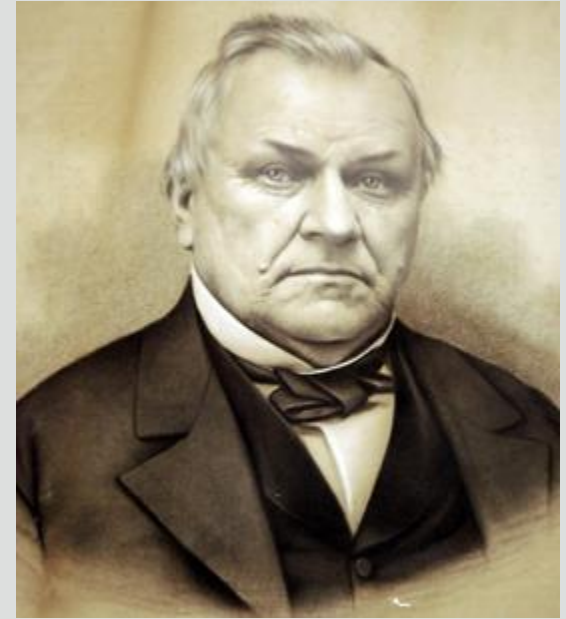
Source: Wall Street Journal/Times Higher Education College Rankings

THE WALL STREET JOURNAL.

150



YEARS OF GIANT LEAPS

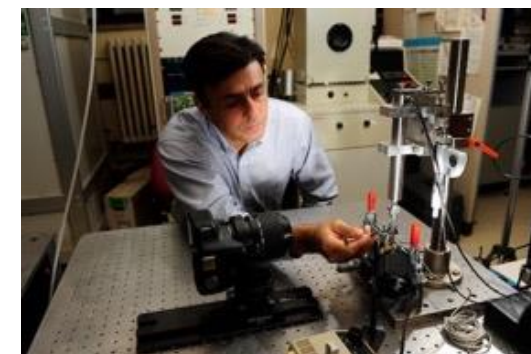


Goal, then and now:

Strengthen Indiana economically & civically

ENTREPRENEUR U

Annual Production	2012	2013	2014	2015	2016	2017	2018	Trend
RESEARCH AWARDS +\$103M since 2012 <i>In Millions</i>	\$351	\$319	\$389	\$401	\$403	\$418	\$454 <i>Record</i>	
U.S. PATENTS +137% since 2012 No. 17 in world	54	66	100	122	118	123	128 <i>Record</i>	
NEW LICENSES +64% since 2012	77	87	120	131	147 <i>Record</i>	135	126	
STARTUPS From Purdue Research +400% since 2012	5	8	24	25	27 <i>Record</i>	21	25	



PURDUE RESEARCH STRENGTHENS INDIANA'S ECONOMY



- Professor Phil Low; Faculty since 1976
- Founded 3 companies, including Endocyte



ENDOCYTE

Novartis to acquire West Lafayette-based Endocyte for \$2.1B

"The top 15 executives and directors of Indiana-based biotech Endocyte Inc. could rake in \$177 million as a result of the deal to sell their company to Swiss pharmaceutical giant Novartis AG."

INDIANAPOLIS
BUSINESS JOURNAL

LAUNCHING NEW CORPORATE PARTNERSHIPS



**SCHWEITZER
ENGINEERING
LABORATORIES**

- **300 JOBS**
- **100K SQ. FT. RESEARCH FACILITY**



- **\$57m JET ENGINE R&D**
- **55K SQ. FT. FACILITY**



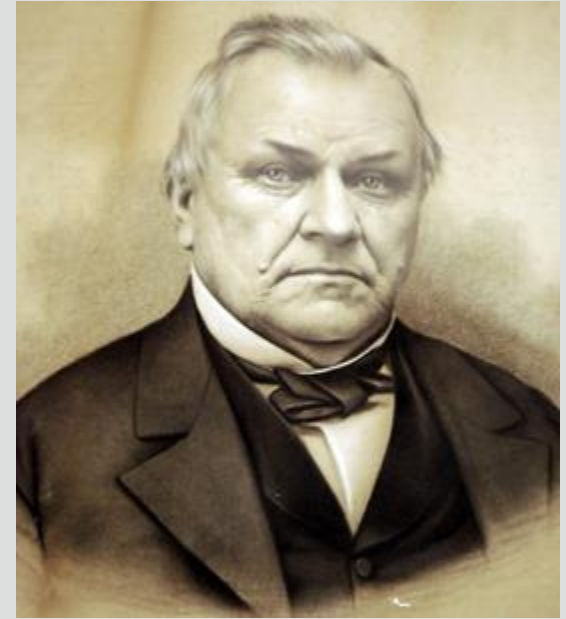
GE Aviation



- **230 JOBS**
- **\$110M FACILITY**

15 

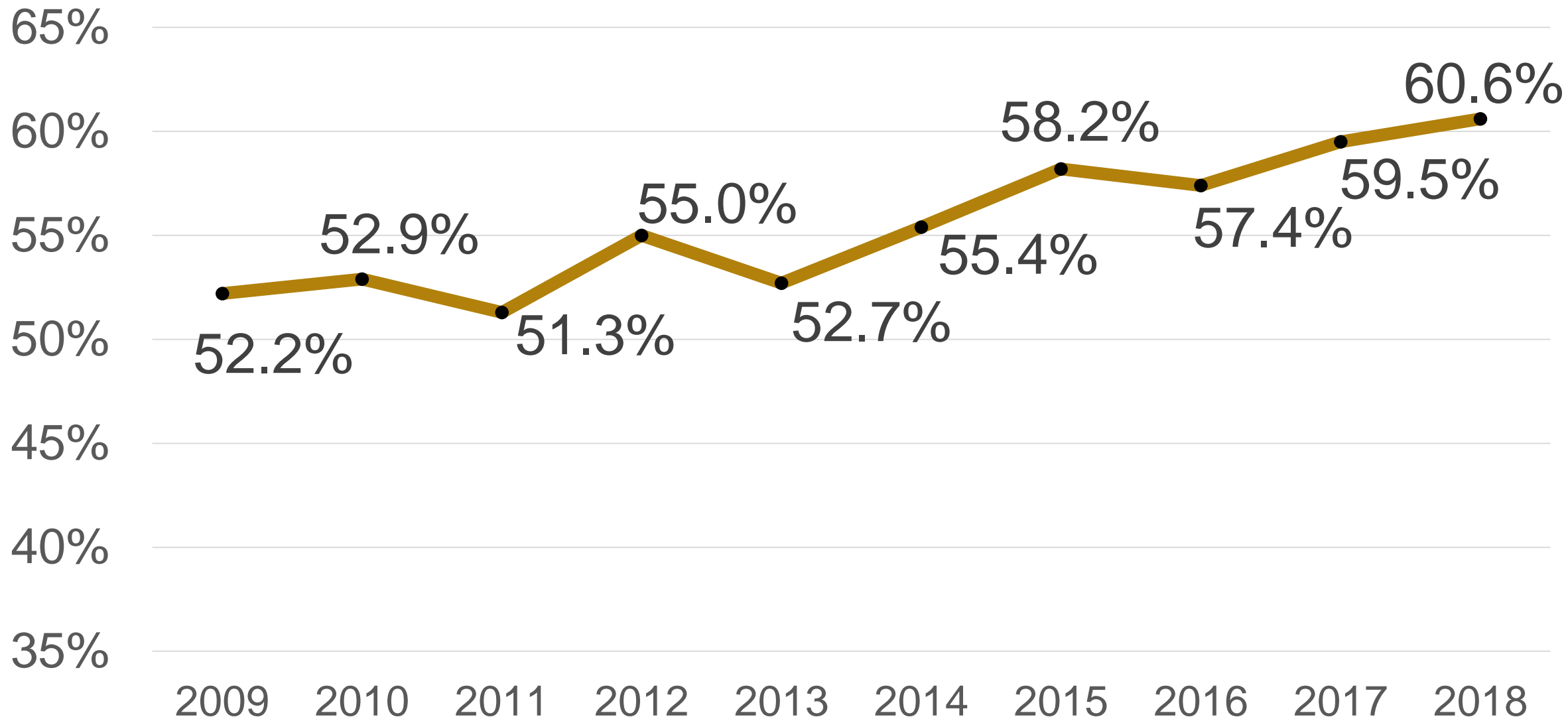
YEARS OF GIANT LEAPS



Goal then and now:

Advance **STEM & the Life Sciences**

% OF FRESHMEN IN STEM



GROWING ENGINEERING IN INDIANA

- Largest engineering college ranked in the nation's top 10
- Since 2013: **+2,135 STUDENTS**, **+163 FACULTY**
- Top 3 Public Engineering College in U.S



PURDUE POLYTECHNIC

90% of courses take learn-by-doing approach

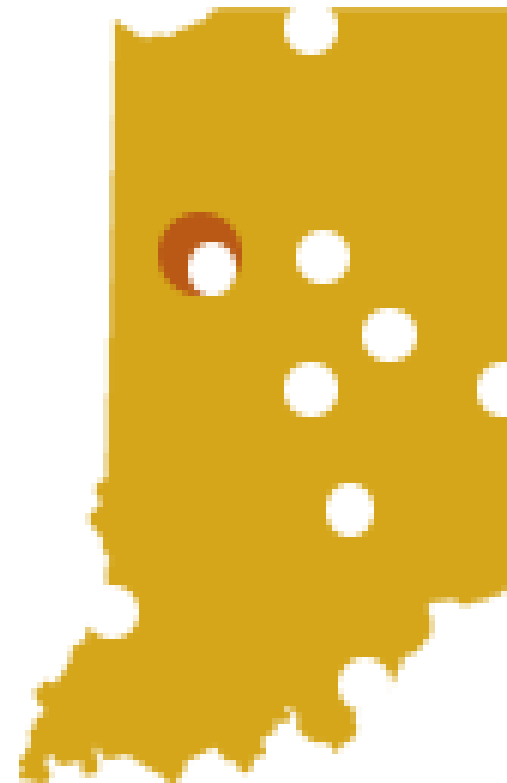
1st Competency-based program at U.S. research university

HIGHEST HOOSIER enrollment rates

68 degrees in practical, high-tech fields, including:

- Unmanned Aerial Systems
- Cybersecurity
- Web Programming & Design
- Data Visualization

10 LOCATIONS



- West Lafayette
- Anderson
- Columbus
- Indianapolis
- Kokomo
- Lafayette
- New Albany
- Richmond
- South Bend
- Vincennes

ADVANCING STEM

Computer Science

- 132% enrollment growth
- Record % of female students and faculty
- Near 100% job placement

Data Science

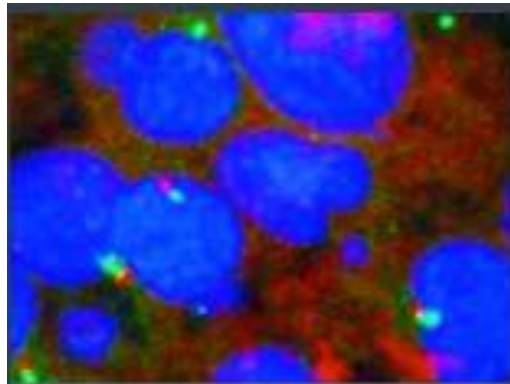
- Embedding data science into curricula across campus
- Welcomed first data science living & learning community in the country this fall.



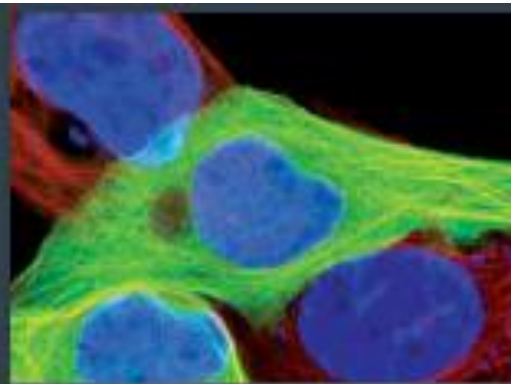
In 1962–63 Purdue launched the first computer science department in the United States.



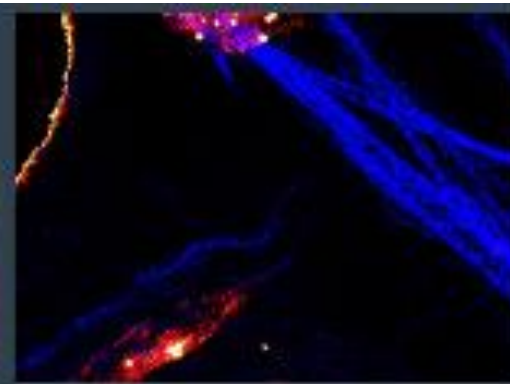
LIFE SCIENCES AT PURDUE



DRUG DISCOVERY



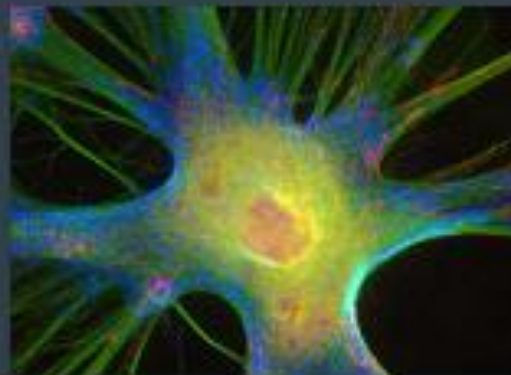
INFLAMMATION,
IMMUNOLOGY, &
INFECTIOUS DISEASES



CANCER



PLANT SCIENCE

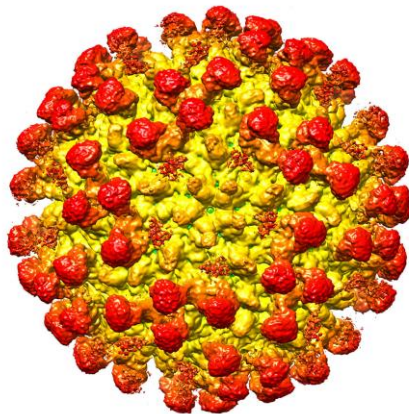


NEUROSCIENCE



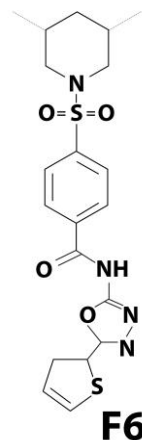
HEALTHCARE ENGINEERING

LIFE SCIENCES AT PURDUE



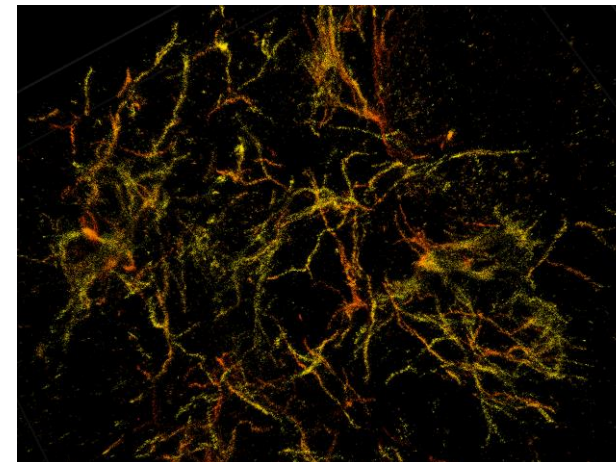
Conquering Zika

Our scientists were the first in the world to determine the structure of the Zika virus, revealing insights critical to the development of effective antiviral treatments and vaccines.



Combatting Multi-Drug Resistance

Purdue researchers recently identified a new drug that is effective against life threatening pathogens that have become resistant to current antibiotics.



Imaging Alzheimer's

Using a novel Purdue-developed imaging technology, our scientists are able to image and study developing plaques in brain slices from donated brains of Alzheimer's patients.

PROPELLING INDIANA FARMING INTO THE FUTURE



INDIANA CORN AND SOYBEAN INNOVATION CENTER

West Lafayette, Indiana

2020-22 APPROPRIATIONS REQUEST
LAUNCHING THE NEXT 150 YEARS OF PURDUE HISTORY

EXISTING FACILITIES



Brown Laboratory of Chemistry

STEM TEACHING LABS



CAPITAL APPROPRIATION REQUEST

\$000's

<u>Priority</u>	<u>Project</u>	<u>Campus</u>	<u>State Request</u>	<u>University Funds</u>	<u>Total Project Cost</u>
1	Engineering and Polytechnic Gateway Building	WL	\$60,000	\$20,000	\$80,000
2	South Campus Renovations	PFW	\$10,000		\$10,000
3	Chiller Plant Upgrades	PNW	\$9,000		\$9,000

EXISTING FACILITIES

Michael Golden Engineering Laboratories and Shops



Nuclear Engineering Building



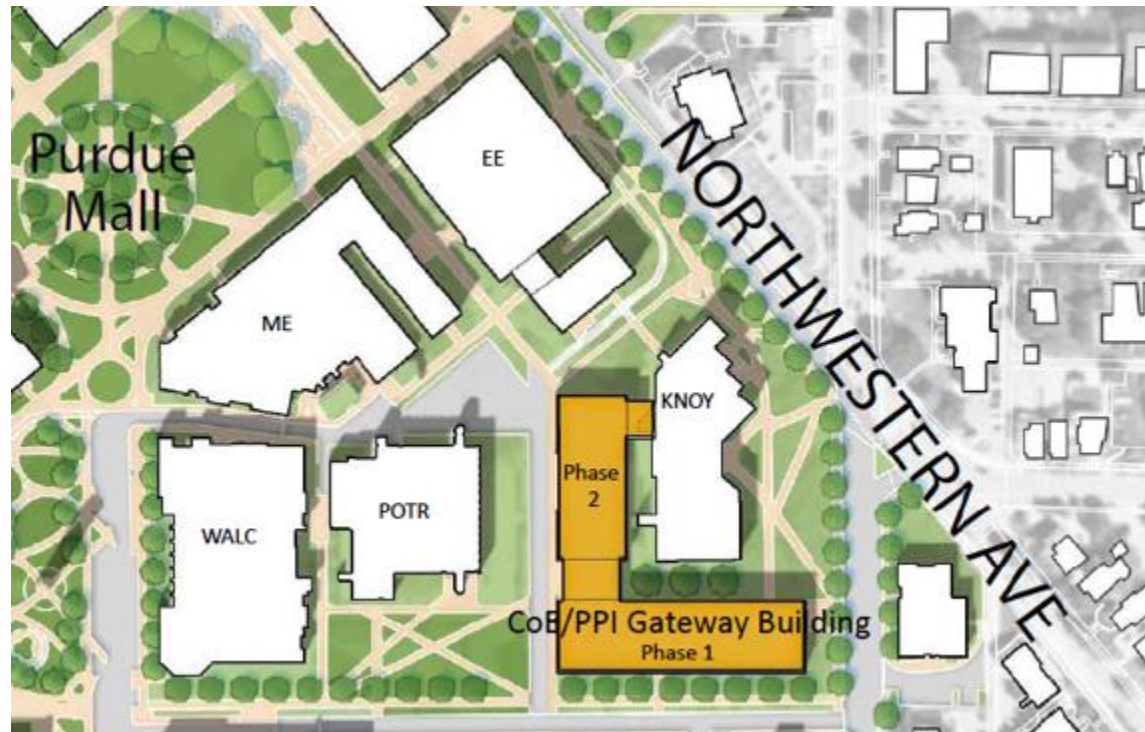
NEW LABS AND CLASSROOMS

Interior renderings



CAPITAL PRIORITY: ENGINEERING AND POLYTECHNIC GATEWAY FOR \$60M

- 145,000 sq. ft gateway to Purdue's academic campus
- Instructional spaces & labs, student success center & office space
- Shared by Engineering & Purdue Polytechnic
- \$60 million requested from state; \$20 million gifts



CAPITAL PRIORITIES: REGIONAL CAMPUSES

Fort Wayne – South Campus Renovations – phase II

- Phase I approved in 2013
- \$10 million requested
- Renovate classrooms & labs in Kettler Hall / Helmke Library
- Replace, repair & upgrade mechanical systems, restrooms & elevators
- Facilities originally constructed in the 1960s & 1970s

Northwest – Chiller Plant Upgrades

- Add chiller and replace cooling tower at Westville campus
- Replace chilled water main at Hammond campus
- \$9 million requested

LINE ITEM REQUESTS

Line Item Requests	FY 2019 Approp. Base	FY 2020 Incremental REC Request	FY 2021 Incremental REC Request	Potential FY 2021 Approp. Base
West Lafayette				
Agriculture Extension Crossroads	\$ 8,492,325	\$ 1,028,296	\$ 234,568	\$ 9,755,189
County Agricultural Extension Educators	7,487,816	247,724	255,940	7,991,480
Purdue Polytechnic Institute Statewide	6,695,258	267,766	274,460	7,237,484
Center for Paralysis Research (CPR)	522,558	17,123	17,601	557,282
TAP & IN-MaC	4,430,212	-	-	4,430,212
PWL Line Item Requests¹	\$ 27,628,169	\$ 1,560,909	\$ 782,569	\$ 29,971,647
Fort Wayne				
Programmatic Expansion	-	2,000,000	-	2,000,000
PFW Line Item Requests	\$ -	\$ 2,000,000	\$ -	\$ 2,000,000
Purdue Total Line Item Requests	\$ 27,628,169	\$ 3,560,909	\$ 782,569	\$ 31,971,647

1. Excludes: Dual Credit, ADDL, Purdue Moves, Think Summer, Wine & Grape Market, and Veterinary Research (ESMC)

ADDL

ADDL Appropriation Summary	FY 2019 Actual	FY 2020 Request	FY 2021 Request
Prior Year Recurring Base	\$ 3,711,561	\$ 3,711,561	\$ 3,955,350
Recurring Annual Incremental Request:			
Avian Pathologist (Heeke Lab)		142,000	
2.50% S&W Increase		70,596	76,011
3.34% Fringe Benefit Increase		31,193	33,772
Total Recurring Annual Incremental Request:	\$ -	\$ 243,789	\$ 109,782
Recurring Request	\$ 3,711,561	\$ 3,955,350	\$ 4,065,133
One-Time R&R and Equipment:			
Next Generation Sequencing (NGS) Equipment		175,000	
Total One-Time R&R and Equipment:	\$ -	\$ 175,000	\$ -
Total Budget Request	\$ 3,711,561	\$ 4,130,350	\$ 4,065,133

1. The ADDL line item was approved by the Indiana State Board of Animal Health on July 10, 2018.

VETERINARY MEDICINE

Request to Support College of Veterinary Medicine

- Reallocate \$17.6m of existing \$237m university operating appropriations into a separate line-item
- Mirrors IU Schools of Medicine & Dentistry



Plans for Veterinary Teaching Hospital

- Working directly with General Assembly on state funding mechanisms
- Oldest vet hospital in the country
- University has committed \$35m
- Equine, Small Animal and Food Animal

