

BOARD OF TRUSTEES

# PURDUE ENGINEERING 2019-21

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# PINNACLE OF EXCELLENCE AT SCALE

## #4

IN THE U.S.

2022 Graduate Research  
Ranking



### #4 in U.S. (2022 Graduate Research Ranking)

- Best in 27 years. Up from #9 in 2017 ranking
- Engineering enrollment: MIT + Stanford + Berkeley = Purdue
- Largest-ever college to be in top 5 in U.S.
- #9 in U.S. undergraduate ranking (the largest among top 10)

### Enrollment growth: 2017 to 2021

- Undergrad: from ~8,600 to ~10,700: highest yield rate on record
- Grad: from ~3,400 to ~4,000
- Online: from ~800 to ~2,500

### Well on our way to 10 x 5 x 5 target for 2025 (as set in 2018)

# EDUCATIONAL ACCESS & RESEARCH SUCCESS



## Gateway (Dudley Hall & Lambertus Hall)

- Under budget and ahead of schedule



## Externally sponsored research expenditure ~\$200M/year—up 40% in 4 years Nationally competitive center wins:

- USAID: International Development (largest single award in College history)
- NSF ERC x 3: Energy, Electrification, Digital Ag (3 out of 8 nationwide 2017-21)
- DARPA/SRC x3: Artificial Intelligence, Chip Packaging (3 out of 6 nationwide)
- IARPA: Cybersecurity
- NASA: Cislunar Space
- AFRL: Hypersonics tunnel
- DOD: Secure Manufacturing
- DOD: Energetics
- DOE: Quantum
- TSMC: Secure Semiconductors

## REOPENED & ADVANCING

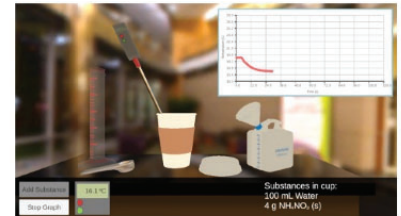


### Faculty:

- Major national & international awards. Movable dream hires

### Online:

- First year online, virtual labs, AI-based learning
- Do More in Four, Learning While Working
- Affordable online master's in ECE, ME, CE + industry co-designed certificates
- #3 ranked engineering online program in U.S.



### Diversity:

- Highest number of URMs ever; highest number of Black first-year students in 28 years
- First time URM graduation rate exceeding college average
- Second-largest number of graduated women engineers in U.S.

## BOILER UP



### Fundraising:

- \$1.025B in Ever True: first college in any public university to attain this milestone
- Multiple major naming gifts. More to come...

### IP/startup-generating:

- 40% higher annual patent applications
- 75% of Purdue-IP-based startups (which ranks in top 3 in U.S.)
- Take it to the next level...

### Place-making:

- SEL, SAAB, 5G Zone/Living Labs
- Creating jobs and knowledge together.  
More to come...



## STRATEGIC DIRECTIONS

- Match enrollment growth & sustain excellence in educational experience with teaching resources & lab spaces
- Make virtual learning real & residential learning extraordinary
- National Security & Technology
- Digital Agriculture & International Development
- Innovation Campus: Discovery Park District + Aerospace District + Airport

### Engineering + X:

- IBE, BIDC, Pharma Manufacturing, OpenBytes, Purdue-IU, Sports Engineering...

