

# PURDUE POLYTECHNIC INSTITUTE

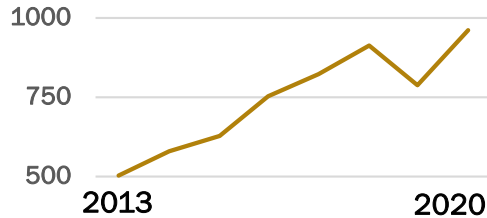
OCTOBER 3, 2020

PRESENTED BY GARY BERTOLINE, DEAN AND DISTINGUISHED PROFESSOR



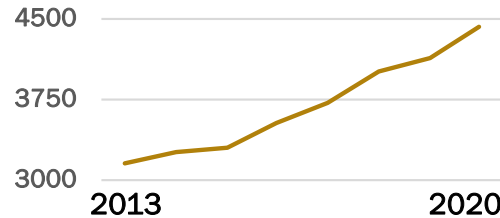
# THEY CAME, AND KEEP COMING... WE HAD TO BUILD IT!

## New Beginners



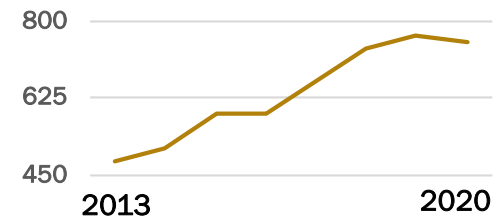
- 46% in-state
- 13% international
- 175 online option

## Undergraduate Enrollment



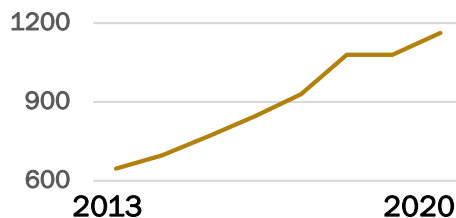
- 57% in-state
- 11% international

## Graduate Enrollment



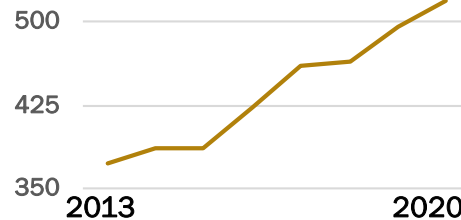
- 51% on-campus
- 49% Purdue Polytechnic Online
- 190 PhD (highest ever)

## Female Enrollment



- Females represent 22% of current enrollment (highest % ever)

## URM Enrollment



- URM's represent 12% of current enrollment (steady last 7 years)

## Most Popular of 34 Majors

- Cybersecurity & Computer IT
- Mechanical Engineering Tech
- Professional Flight
- Aeronautical Engineering Tech

## Statewide Enrollment

- Plan to reverse recent decline



# INVESTING IN OUR FUTURE



## Intelligent Manufacturing

- Industry 4.0 manufacturing ecosystem
- Will be only Learning Factory in U.S.



## Teaching & Learning Transformation

- Master Teacher framework
- Foundational competencies
- Higher ed 4.0



## New Academic Programs

- Energy Engineering Technology
- Computer Engineering Technology
- User Experience Design (UX)
- Game Development and Design
- Doctorate of Technology
- 7 New Graduate Certificates
  - Computer and Information Technology (3)
  - Construction Management Technology (1)
  - Aviation and Transportation Technology (3)

## Aviation Growth

- 13 new planes
- New Purdue Global partnership
- New simulators:
  - Hawker
  - Airbus 320
  - Boeing 737

# ***DIVERSITY, EQUITY & INCLUSION: MORE TO DO***

## **Purdue Equity Task Force**

- Supported by the Polytechnic's Diversity, Equity and Inclusion work group
- Existing and new initiatives: camps, steering committee, work groups, and conversation series



## **Polytechnic High Schools**

- 580 students, 3 locations
- 60% under-represented minorities
- First class graduates in May 2021

## **Human Resources Business Partner**

- Dedicated college HR partner
- Creating a positive and engaged work environment for all

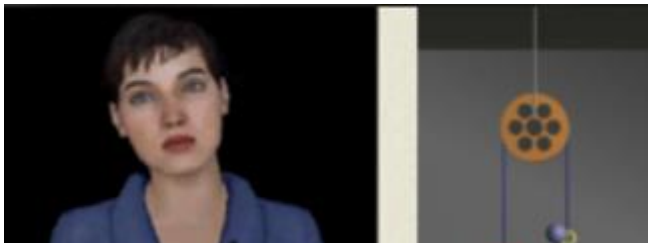


# THE EDGE EFFECT AT WORK: COLLABORATIVE INNOVATION

## Research Impact Areas:



Realizing the Digital Enterprise



Future Work and Learning



Holistic Safety and Security



Purdue Cyber  
Apprenticeship  
Program

CORNERSTONE  
INTEGRATED LIBERAL ARTS

Purdue Makers





# STRATEGIC INITIATIVES & CHALLENGES

## Strategic Initiatives

- Transformation of teaching & learning
- Innovation College
- DEI in the Polytechnic Institute
- Purdue Online and Purdue Global offerings
- Positioning the college for next Dean

## COVID-19 Opportunities

- COVID Impact Assessment tool – a partnership with Microsoft
- Course delivery in the era of COVID-19
- Students, faculty and staff rise to the occasion

## Important Challenges

- Polytechnic statewide enrollment trend
- Impact of pay and hiring freezes
- COVID-19 impact on fundraising for the Gateway Building

