

# IOWA STATE UNIVERSITY

Office of the President

## Board of Regents Tuition Task Force

## Iowa State University 5-year Tuition Plan

Benjamin Allen, Interim President  
August 9, 2017

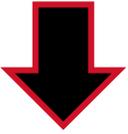


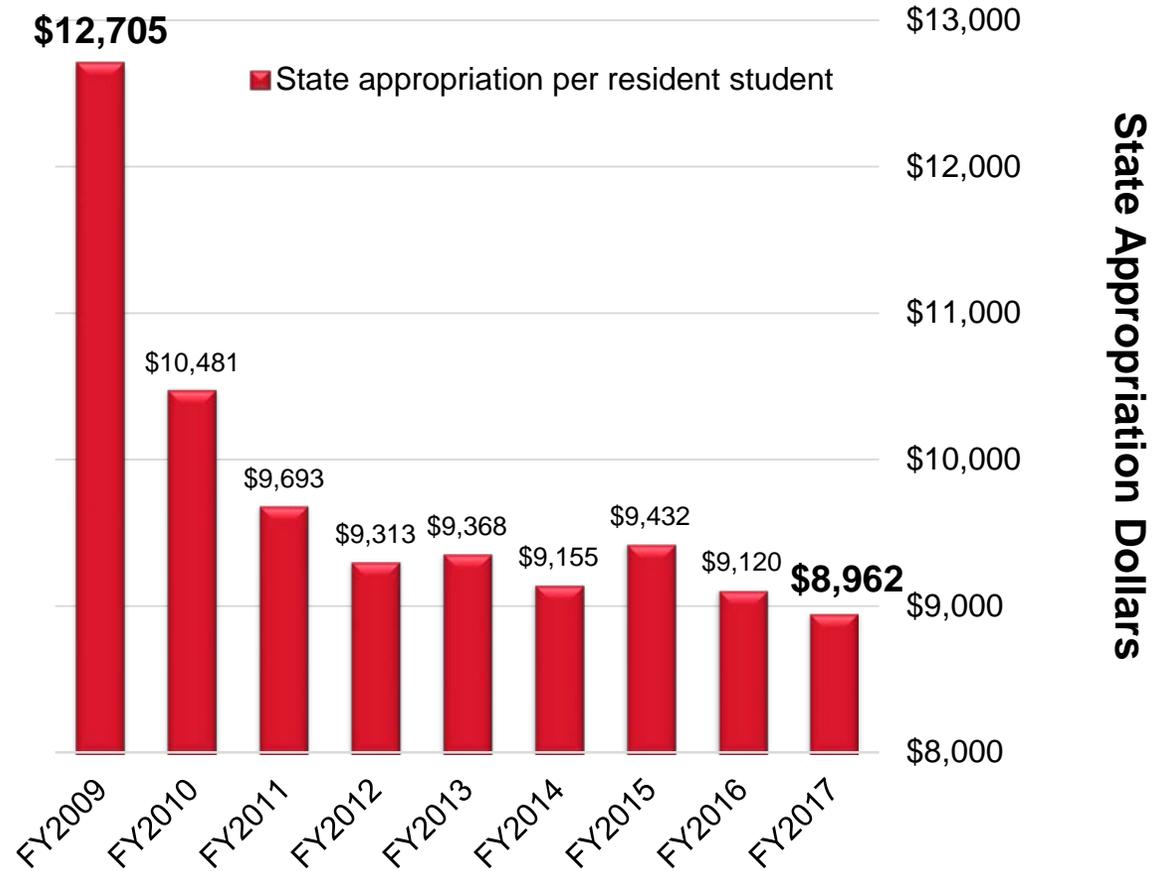
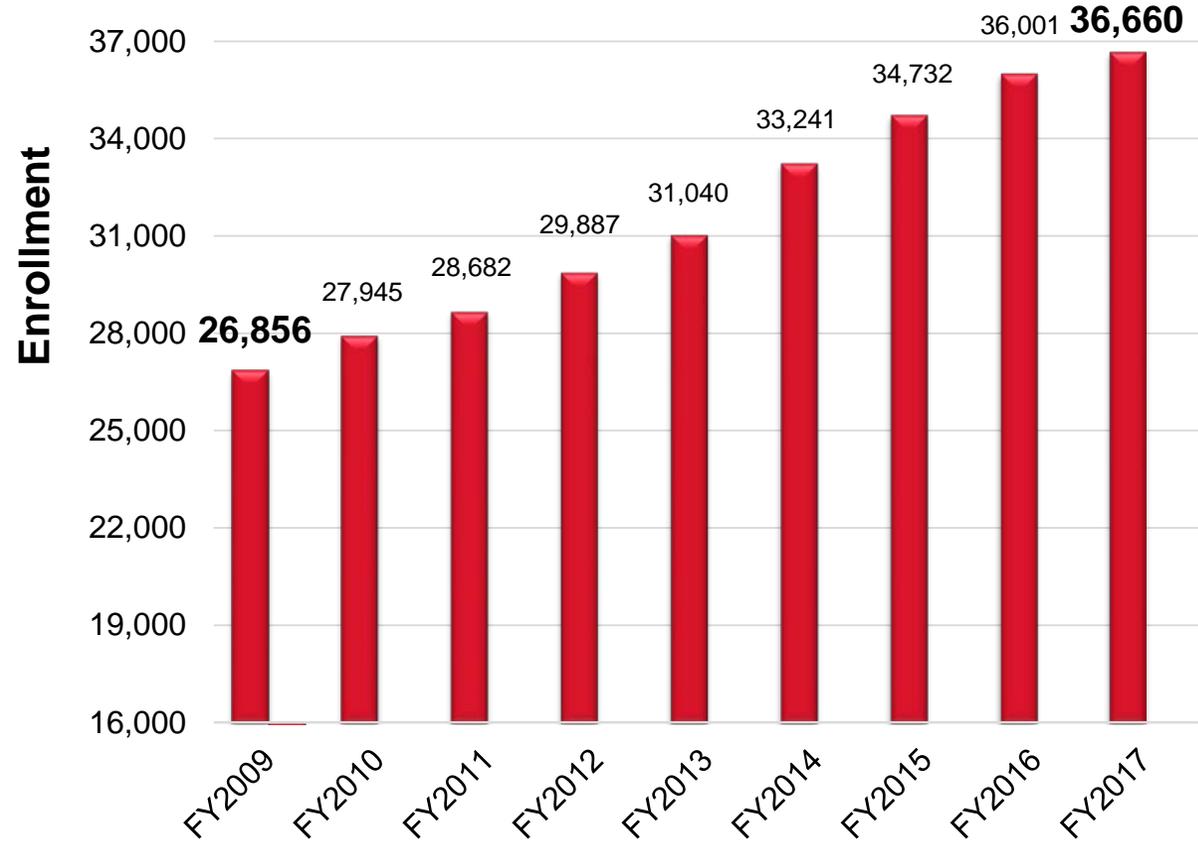
# Objectives

1. Iowa State's Unique Value
  - Return on Investment
2. Funding/Investment Needs
  - 5-Year Tuition Proposal



Enrollment  37%

General Operating State Appropriation per Resident Student  30%



# Defining Characteristics

- Land-grant institution
  - Only one in Iowa
  - Only 76 nationwide
- Student-centered university
  - Exceptional educational experience
- Member: Association of American Universities (AAU)
  - Only 62 nationwide
  - Only 18 Land-grant & AAU institutions
  - Research-intensive: emphasis on faculty excellence and quality graduate and professional programs



# Iowa State's Land-Grant Mission

## Three Principles:

### ➤ Education:

- Access to high quality, broad-based education for a diverse student body
  - Core competencies: agriculture, engineering, biosciences, cyber security, architecture, veterinary medicine, other STEM-related fields
  - Balance with humanities and social sciences to develop both practical and critical thinking skills

### ➤ Innovation:

- Conduct basic and applied research that addresses grand challenges & improves lives
  - Dynamic education, opportunities for students

### ➤ Extension and Application:

- Extend knowledge to benefit state, nation, and world; contribute to the economy/job creation
  - 99 county campus: 1M Iowans served annually by ISU Extension and Outreach
  - ISU Research Park: Link to workforce, expertise, innovation pipelines; and entrepreneurial ecosystem



# Iowa Cyber Hub: Nexus of our Land-Grant Mission



## IOWA STATE UNIVERSITY Information Assurance Center

- 300,000 cyber security jobs went unfilled last year



**Des Moines Area Community College President Rob Denson and Iowa State University Interim President Benjamin Allen invite you to a special event to launch the Iowa Cyber Hub™**

**Tuesday, July 25, 2 p.m.**

DMACC Ankeny Campus

Borgen Administration Center / Building 22

*The Iowa Cyber Hub is designed to be a focal point for cyber security education, outreach, training, and interaction between Iowa companies and partner schools.*

**DMACC**  
DES MOINES AREA  
COMMUNITY COLLEGE  
Life's Calling

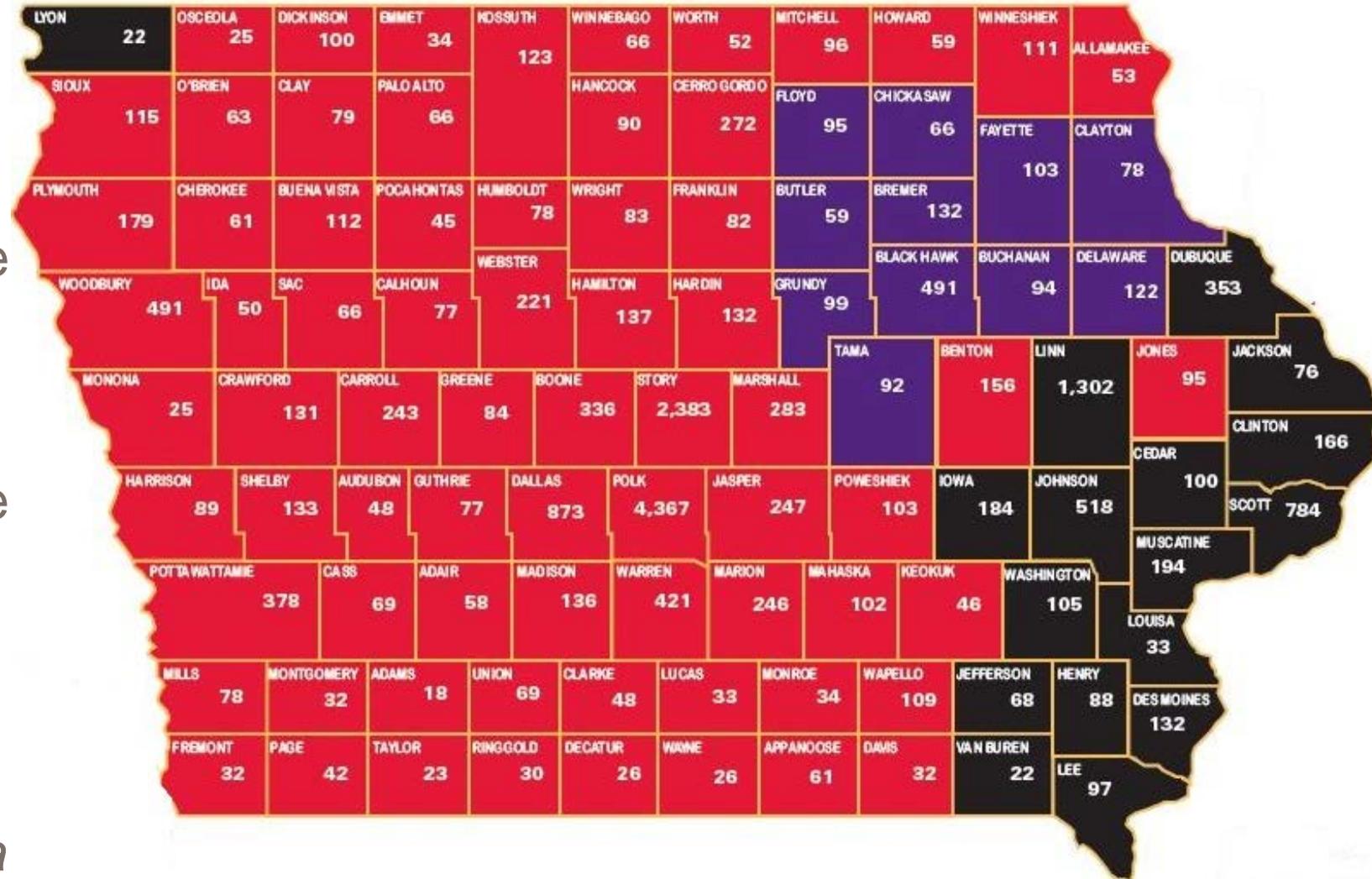
**IOWA STATE UNIVERSITY**

# Land-Grant Mission Generates Demand for ISU Degree

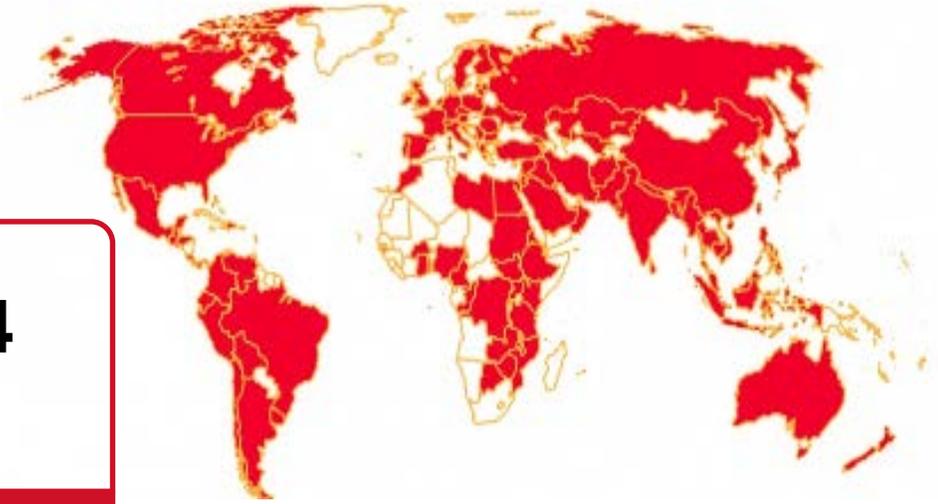
Enrollment Growth  
(Fall 2006 – Fall 2016):

- Engineering: 83% increase
- Agriculture and Life Sciences: 73% increase
- Biosciences: 55% increase
- Business: 55% increase

*More students in 71/99  
counties choose **Iowa State**  
over any other school in Iowa*



# Student Success



**37%**

Enrollment  
Growth



**25.17**

Avg. ACT  
Score



**20,490 total**  
2 out of 3  
grad students

Ag/STEM  
Students



**1 in 4**  
students

Multicultural/  
International



**28%**

of  
undergraduates

First  
Generation



**88.1%**

(30-year high)

Retention  
Rate



**74.4%**

(30-year high)

6-Year  
Graduation  
Rate



**52%**

stay in Iowa

Iowa  
Workforce



63% of resident  
graduates

24% of non-residents

28% of international  
graduates

# Return on Investment

95% of Iowa State graduates land a job in their field or continue their education within six months.

Average entry-level salaries: (reported by ISU graduates)

- Computer Science: \$70,913
- Mechanical Engineering: \$62,463
- Construction Engineering: \$60,555
- Agricultural Business: \$49,655
- Architecture: \$43,384
- Animal Science: \$40,304



Rank	School Name	20 Year Net ROI 
1	 Iowa State University (In-State)	\$418,000

# Iowa Workforce Demands

## Future Workforce:

- By 2025, 68% of all jobs in Iowa will require education beyond high school

## Current Workforce:

- Only 58% of Iowans (ages 25-64) have a post-secondary degree

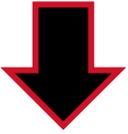
## Future Workforce Needs:

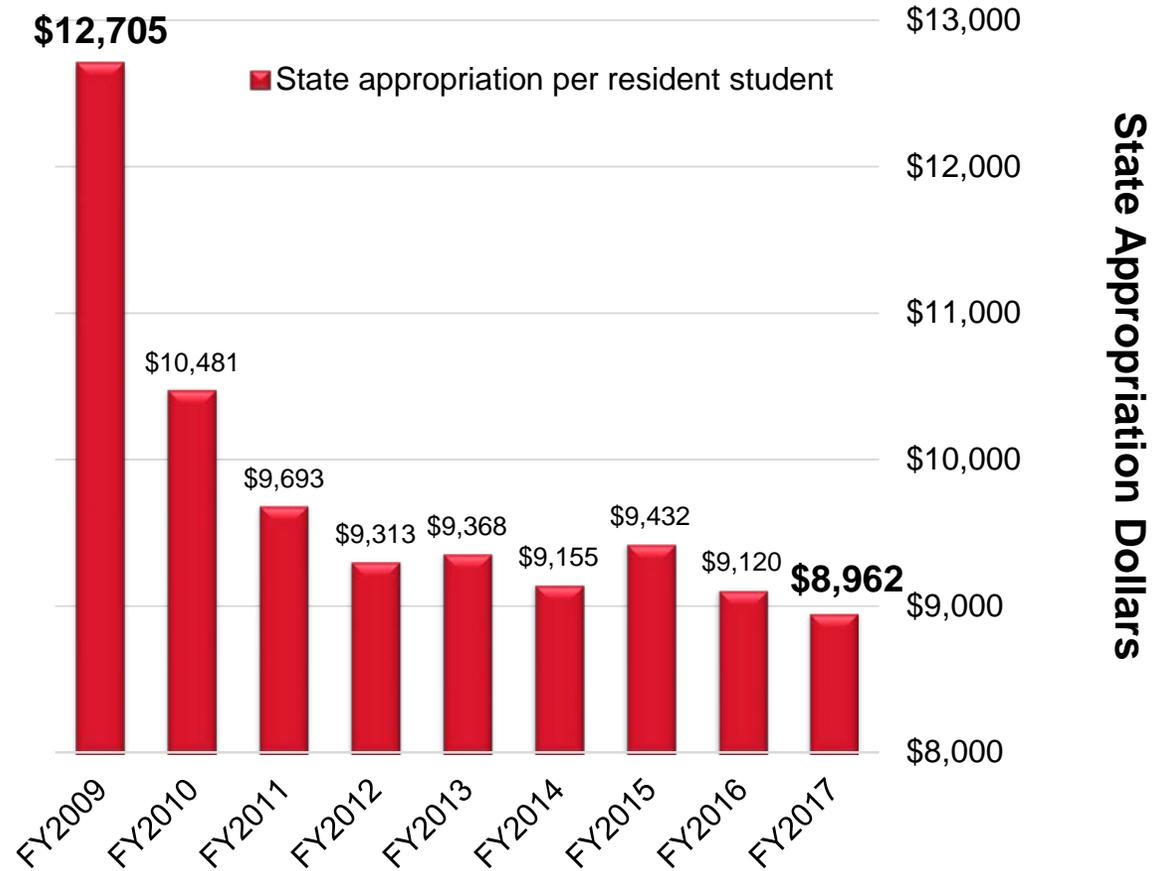
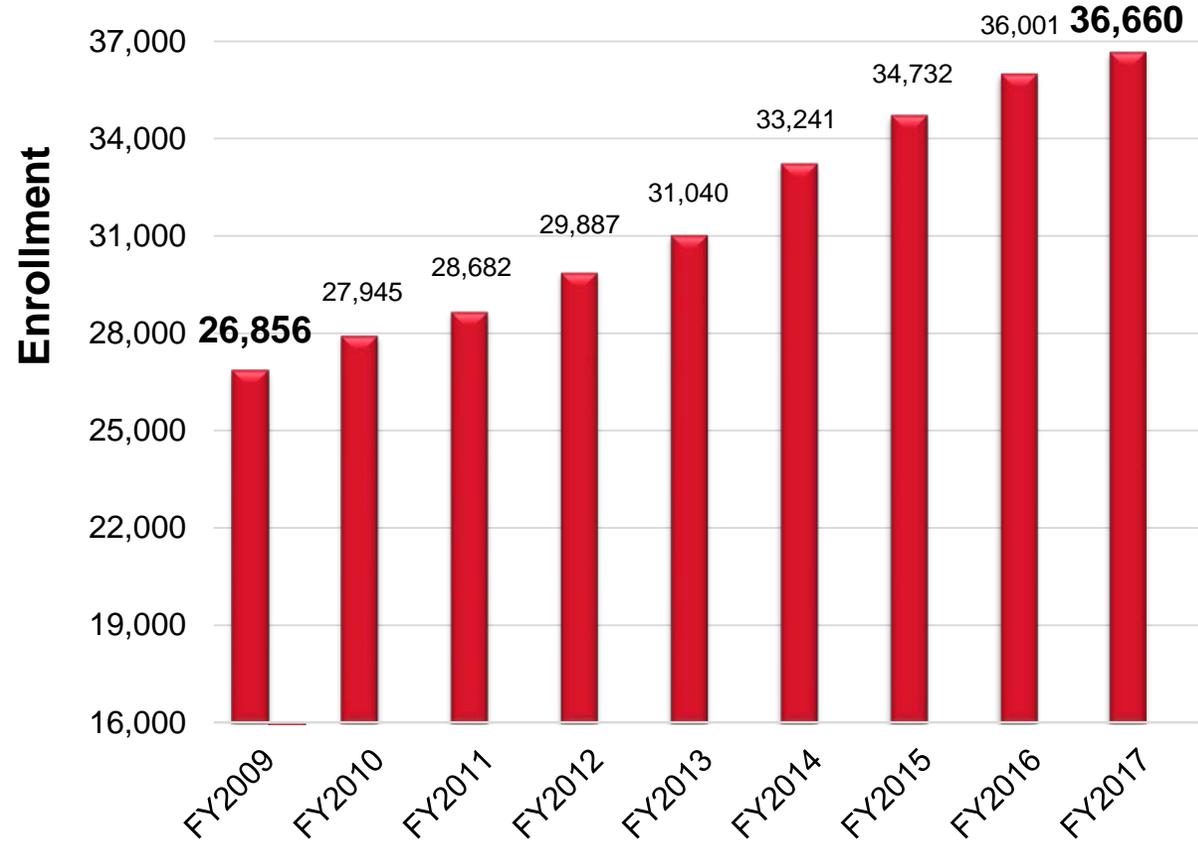
- 128,000 Iowans will need to earn a degree/other credential by 2025
- **23,600 STEM jobs**



*Courtesy: Georgetown University Center on Education*

Enrollment  37%

General Operating  
State Appropriation per  
Resident Student  30%



# Administrative Efficiency

**THE WALL STREET JOURNAL.**

*2012: Iowa State ranked 7<sup>th</sup>  
most efficient university in the  
country*

ISU administrative spending per  
student = **66% LESS** than all  
other land-grant institutions



*Higher education costs – spending  
on administrative staff compared to  
instructional staff*

Median spending (schools similar to  
*Iowa State*): 17¢ for every \$1

ISU (FY16): 12¢ for every \$1

ISU (FY17): 10¢ for every \$1

# Operational and Academic Efficiency

- Department mergers
- Classroom utilization efforts highlighted by Ad Astra (TIER review)
- Predictive analytics advising interventions
- Real-time course availability monitoring
- College of Design shared services saving \$177,000/annually
- TIER-recommended shared procurement initiatives

# Top Programs

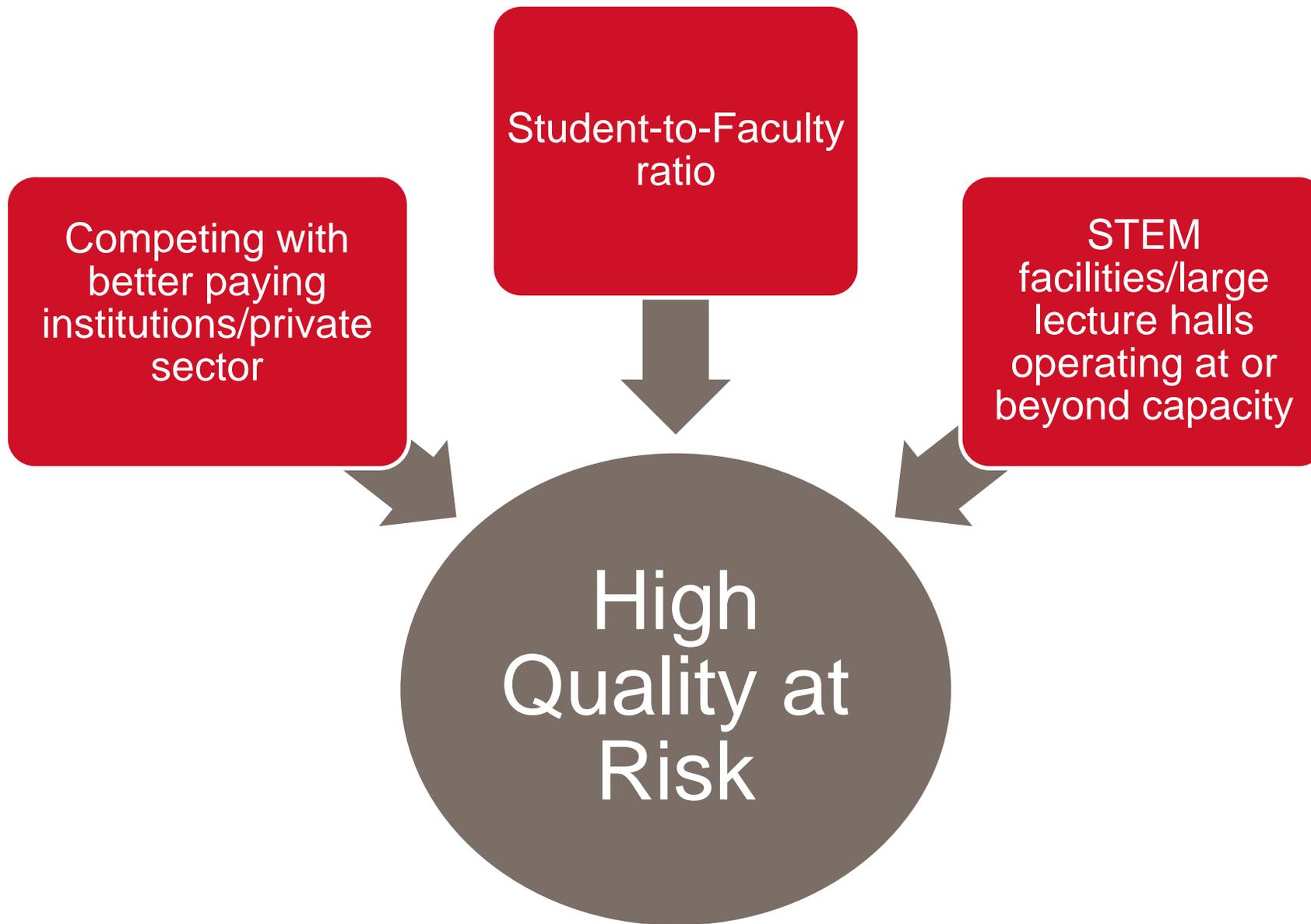
- **#1 in the Nation:** Agricultural & Biosystems Engineering<sup>1</sup>
- **#18 in the Nation:** Supply Chain Management<sup>1</sup>
- **#19 in the Nation:** Statistics<sup>1</sup>
- **#20 in the Nation:** Architecture<sup>2</sup>
- **Top 25 in the Nation:** Aerospace, Chemical & Materials Engineering<sup>1</sup>
- **#26 in the Nation:** Kinesiology<sup>3</sup>
- **Longest-running:** Biological and Premedical Illustration (*nationally renowned for combination of science and art*)
- **#10 in the World:** Agriculture and Forestry<sup>^</sup>
- **only One in Iowa:** Veterinary Diagnostic Laboratory (*supports Iowa's \$14 billion animal agriculture industry*)

<sup>1</sup>U.S. News and World Report

<sup>2</sup>Design Intelligence

<sup>3</sup>National Academy of Kinesiology

<sup>^</sup>QS World Ranking



# Strategic Priorities to Protect Quality of Educational Experience

## Faculty and Staff Retention

Students learn from and are supported by the best

Provide competitive salaries

Provide reasonable annual salary increases

## Faculty and Staff Recruitment

Students receive individualized attention and instruction

Net increase of 330 T/TE faculty

- Two-thirds in STEM disciplines

Lower student-to-faculty ratio to 16:1

Additional staff needed to support scaling the university

## Building Maintenance and Capacity

900,000 square feet of new building capacity

Deferred maintenance

## Need-Based Financial Aid

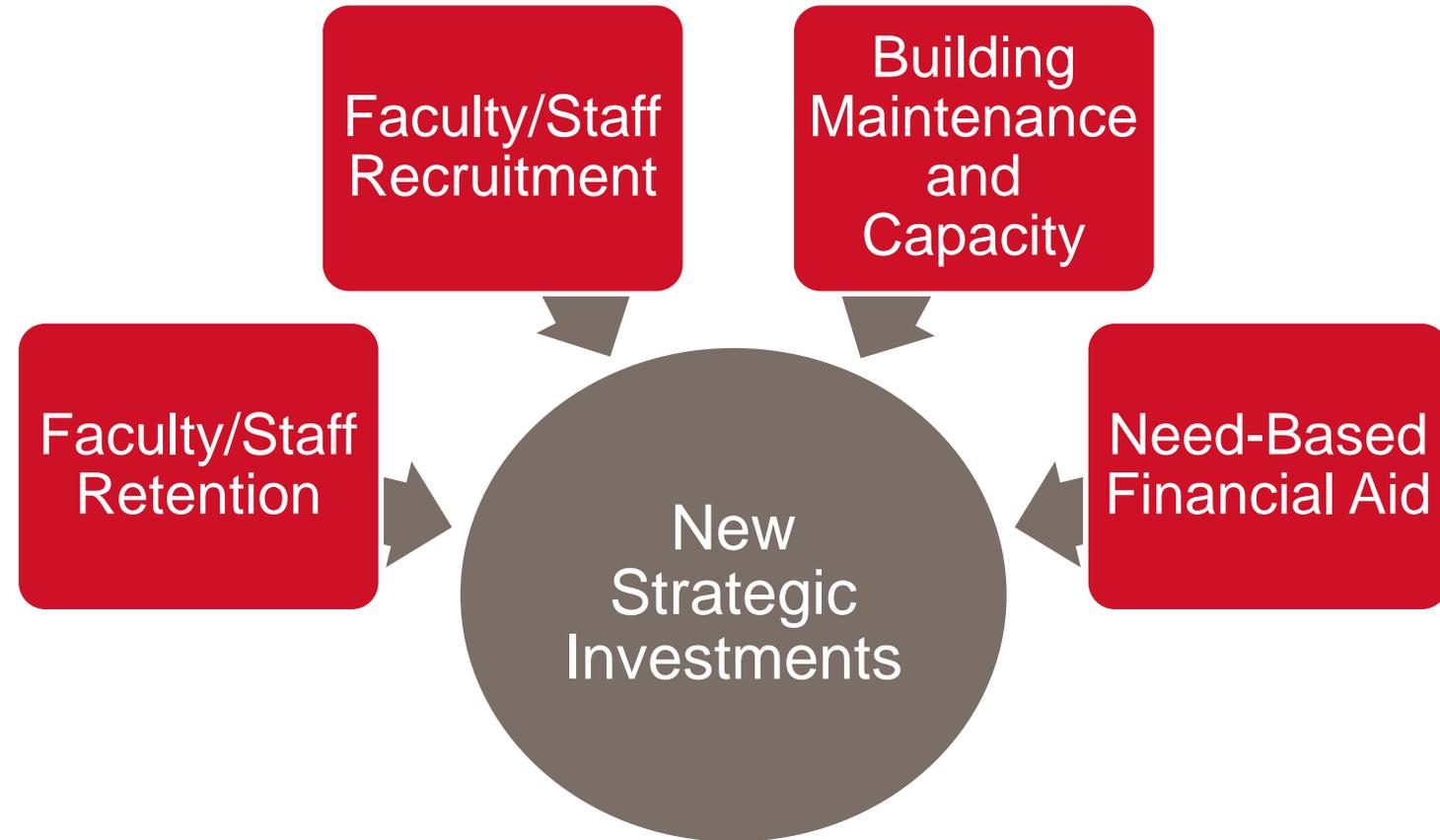
Maintain accessibility to a diverse student body

Remain true to land-grant mission

# 5-Year Budget Assumptions

1. General operating state appropriation: flat
2. Enrollment: flat
3. HEPI: 2.14%
4. Annual reallocation: 2.25%

# Strategic Priorities



# 5-Year Plan: Tuition Proposal

- 7% increase: resident undergraduates
- 4% increase: non-resident undergraduates
- Differential adjustments to Engineering, Business, and additional STEM programs

Base Tuition						
	Fall 17	Fall 18	Fall 19	Fall 2020	Fall 2021	Fall 2022
Resident	\$7,456	\$7,978	\$8,536	\$9,134	\$9,773	\$10,457
\$ Change		\$522	\$558	\$598	\$639	\$684
% Change		7.0%	7.0%	7.0%	7.0%	7.0%
Non-resident	\$21,292	\$22,144	\$23,029	\$23,951	\$24,909	\$25,905
\$ Change		\$852	\$886	\$921	\$958	\$996
% Change		4.0%	4.0%	4.0%	4.0%	4.0%

THANK YOU



IOWA STATE UNIVERSITY

Office of the President