Success at Iowa
Investing for the Future

Montse Fuentes
Executive Vice President and Provost
Professor of Statistics and Actuarial Science and Biostatistics

UI Staff Council
December 11, 2019
Class of 2023

4,986 undergraduates in the class of 2023

ACT
25.5 average ACT score

GPA
3.76 average high school GPA

20% identify as a member of a minority group

2,776 are Iowa residents

22% identify as first-generation students

1,849 new graduate and professional students
Total U.S. Public and Private High School Graduates (Actual and Projected) 1979 to 2032


“Fall 2019 Enrollment Report,” Board of Regents, State of Iowa, presented at the November 13-14, 2019 meeting.
National Enrollment Decline is Uneven

Source: Fall 2017 National Student Clearinghouse-Current Term Enrollment Report

WICHE Projected Iowa High School Graduates by Race/Ethnicity
2018 - 2032


Percent of Iowa High School Graduates Enrolling in College
by Race/Ethnicity

<table>
<thead>
<tr>
<th>Race/Ethnicity</th>
<th>Enrollment Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asian</td>
<td>75.3%</td>
</tr>
<tr>
<td>White</td>
<td>69.8%</td>
</tr>
<tr>
<td>Multi-racial</td>
<td>62.5%</td>
</tr>
<tr>
<td>Black</td>
<td>55.1%</td>
</tr>
<tr>
<td>Hispanic</td>
<td>53.7%</td>
</tr>
<tr>
<td>Pacific Islander</td>
<td>46.8%</td>
</tr>
<tr>
<td>Native American</td>
<td>46.3%</td>
</tr>
</tbody>
</table>

Source: Iowa Postsecondary Readiness Reports, three-year average of 2015-2017 high school graduates, college enrollment rates based on one-year after high school graduation

“Fall 2019 Enrollment Report,” Board of Regents, State of Iowa presented at the November 13-14, 2019 meeting.
Five-Year Tuition Model

2018-19 Undergraduate Resident Tuition and Fees Comparison

<table>
<thead>
<tr>
<th>State/Location</th>
<th>Tuition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illinois</td>
<td>$16,004</td>
</tr>
<tr>
<td>Michigan</td>
<td>$15,262</td>
</tr>
<tr>
<td>Minn.</td>
<td>$14,693</td>
</tr>
<tr>
<td>California, Los Angeles</td>
<td>$13,201</td>
</tr>
<tr>
<td>Arizona</td>
<td>$12,467</td>
</tr>
<tr>
<td>Ohio State</td>
<td>$10,726</td>
</tr>
<tr>
<td>Indiana</td>
<td>$10,680</td>
</tr>
<tr>
<td>Texas</td>
<td>$10,606</td>
</tr>
<tr>
<td>Wisconsin</td>
<td>$10,556</td>
</tr>
<tr>
<td>Iowa</td>
<td>$9,267</td>
</tr>
<tr>
<td>North Carolina</td>
<td>$8,987</td>
</tr>
</tbody>
</table>

Source: Iowa College Student Aid Commission & U.S. Department of Education
UI is the top trainer of Iowa professionals:

- 78% of Iowa’s dentists are UI alumni
- 53% of Iowa’s physicians are UI alumni
- 51% of Iowa’s pharmacists are UI alumni
- 82% of Iowa’s physician assistants are UI alumni
- UI-trained K-12 teachers are found in 100% of Iowa’s school districts

**Economic Impact of UI**

**For Iowa to succeed over the next decade higher education needs to be properly funded**

"The Economic Value of Iowa’s Regent Universities," presented by Emsi at the Board of Regents, State of Iowa meeting, November 13-14, 2019.
The Impact of UI on our Students

Students see a high rate of return for their investment in UI

14.2%
Average annual return for UI's students

9.9%
Stock market 30-year average annual return

0.8%
Interest earned on savings account (National Rate Cap)


For every $1...

Students gain $3.60 in lifetime earnings

Taxpayers gain $2.80 in added tax revenue and public sector savings

Society gains $3.60 in added income and social savings

"The Economic Value of Iowa's Regent Universities," presented by Emsi at the Board of Regents, State of Iowa meeting, November 13-14, 2019.
Investment Analysis: From Student Perspective

The average bachelor’s degree graduate from UI will see an increase in earnings of $22,100 each year compared to a person with a high school diploma or equivalent working in Iowa.

<table>
<thead>
<tr>
<th>Education Level</th>
<th>Earnings</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; High school</td>
<td>$23,100</td>
</tr>
<tr>
<td>High school</td>
<td>$30,800</td>
</tr>
<tr>
<td>Certificate</td>
<td>$34,600</td>
</tr>
<tr>
<td>Associate</td>
<td>$39,000</td>
</tr>
<tr>
<td>Bachelor's</td>
<td>$52,900</td>
</tr>
<tr>
<td>Master's</td>
<td>$66,000</td>
</tr>
<tr>
<td>Doctorate</td>
<td>$95,300</td>
</tr>
<tr>
<td>Professional</td>
<td>$125,400</td>
</tr>
</tbody>
</table>

Source: Emsi employment data.

“The Economic Value of Iowa’s Regent Universities,” presented by Emsi at the Board of Regents, State of Iowa meeting, November 13-14, 2019.
UI Has Fallen in Rankings – Not keeping up with peer institutions

U.S. News & World Report Rankings
(Public Institutions)
## UI Ranking and Reputation

<table>
<thead>
<tr>
<th>School</th>
<th>U.S. News Ranking – Public</th>
<th>U.S. News Ranking – Public/Private</th>
<th>Retention Rate</th>
<th>4 Year Grad Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>UCLA</td>
<td>#1</td>
<td>#20</td>
<td>97%</td>
<td>80%</td>
</tr>
<tr>
<td>Michigan</td>
<td>#3</td>
<td>#25</td>
<td>97%</td>
<td>81%</td>
</tr>
<tr>
<td>UNC - Chapel Hill</td>
<td>#5</td>
<td>#29</td>
<td>97%</td>
<td>82%</td>
</tr>
<tr>
<td>Wisconsin - Madison</td>
<td>#13</td>
<td>#46</td>
<td>95%</td>
<td>66%</td>
</tr>
<tr>
<td>Illinois - Champaign Urbana</td>
<td>#14</td>
<td>#48</td>
<td>93%</td>
<td>72%</td>
</tr>
<tr>
<td>Texas - Austin</td>
<td>#14</td>
<td>#48</td>
<td>95%</td>
<td>70%</td>
</tr>
<tr>
<td>Ohio State</td>
<td>#17</td>
<td>#54</td>
<td>94%</td>
<td>65%</td>
</tr>
<tr>
<td>Minnesota - Twin Cities</td>
<td>#27</td>
<td>#70</td>
<td>93%</td>
<td>71%</td>
</tr>
<tr>
<td>Indiana</td>
<td>#31</td>
<td>#79</td>
<td>91%</td>
<td>69%</td>
</tr>
<tr>
<td>Iowa</td>
<td>#34</td>
<td>#84</td>
<td>87%</td>
<td>53%</td>
</tr>
<tr>
<td>Arizona</td>
<td>#53</td>
<td>#117</td>
<td>81%</td>
<td>49%</td>
</tr>
<tr>
<td><strong>Average</strong></td>
<td><strong>18</strong></td>
<td><strong>54</strong></td>
<td><strong>93%</strong></td>
<td><strong>70%</strong></td>
</tr>
</tbody>
</table>

| UI vs Average (2020)       | 16                          | 30                                | -7%            | -17%             |
| **UI vs Average (2019)**   | **20**                      | **34**                            | **-7%**        | **-12%**         |
Undergraduate Retention Rate Trends

First to Second Year Retention Rates

- Total Cohort:
  - 2013 Cohort: 86.8%
  - 2014 Cohort: 86.5%
  - 2015 Cohort: 87.8%
  - 2016 Cohort: 86.6%
  - 2017 Cohort: 86.7%

- URM:
  - 2013 Cohort: 85.6%
  - 2014 Cohort: 86.0%
  - 2015 Cohort: 82.7%
  - 2016 Cohort: 81.7%
  - 2017 Cohort: 82.7%

- First Generation:
  - 2013 Cohort: 81.8%
  - 2014 Cohort: 81.3%
  - 2015 Cohort: 81.5%
  - 2016 Cohort: 81.7%
  - 2017 Cohort: 82.7%

- Pell Recipients:
  - 2013 Cohort: 78.9%
  - 2014 Cohort: 79.8%
  - 2015 Cohort: 81.2%
  - 2016 Cohort: 80.0%
  - 2017 Cohort: 79.7%

Office of the Executive Vice President and Provost

MAUI Persistence Data
University of Iowa Strategic Plan
Improving Outcomes for Students and Iowans

✔ Students
  - Increase retention rate
  - Increase graduation rate
  - Increase experiential opportunities

✔ Faculty
  - Increase peer-reviewed research
  - Increase citations
  - Increase awards and National Academy Membership

✔ Iowans
  - Increase access to quality health care
  - Stimulate Iowa’s economic growth by:
    - Commercializing university technology
    - Increasing the workforce through increased graduation rates
Destination University

 stratégies for creating a destination university to attract high-ability students:

- Strengthen partnerships with the community.
- Provide opportunities after graduation such as guaranteed or preferential admission to graduate or professional school.
- Develop a core set of recognized areas of excellence that provide a distinctive academic experience.
- Offer high impact practices to all students (internships, community service learning programs, research).
- Research opportunities for undergraduate students.

Office of the Executive Vice President and Provost
"What happens here at the University of Iowa is going to be transformational for the future of human space flight and the human condition here on earth.”  – NASA Administrator Jim Bridenstine
Training K-12 Teachers and Students

Southeast Iowa STEM Hub – one of six STEM regions for the Iowa Governor’s STEM Advisory Council in partnership with Kirkwood Community College.

- Since inception, STEM awards at Iowa’s 4 year public Universities have increased by 26% (for African-Americans by 29%, for Hispanics by 89%).

- The awards for female students at Iowa 4-year public Universities has increased by 30%.
Training K-12 Teachers and Students

The UI College of Education partners with Iowa communities:

- Helped the Iowa City Community School District build a curriculum around biliteracy to help students meet their Seal of Biliteracy requirements.

- Partnered with Iowa City Community School District teachers to create a book club and professional learning community.

- Music education faculty engage with K-12 students to improve musical ability and interact with music teachers.

- Trained staff and faculty in the Anamosa Community School District on social-emotional learning.

- Facilitated the West Liberty Enrichment Program to recruit and retain first generation college students from West Liberty who attend the UI.
Student Success

Student-Athlete Academic Services

- Gerdin Athletic Learning Center has state-of-the-art technology and study and computing spaces.

- Hawkeye Life Program offers student-athletes educational opportunities beyond their athletic and academic responsibilities.

- 90% departmental graduation success rate – 4th highest in the Big Ten.
Student Success

The **Hawkeye First-Generation Initiative** aims to close the gaps between first-generation and continuing generation students by improving first- to second-year retention and four-year graduation rates. Creating a sense of belonging is key, as is providing engagement and mentoring opportunities.
## Faculty, Staff, and Students URM

<table>
<thead>
<tr>
<th>Racial Diversity 5-Year Summary</th>
<th>FY 2014 Percent Underrepresented Minority</th>
<th>FY 2019 Percent Underrepresented Minority</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate Students</td>
<td>11.1%</td>
<td>14.2%</td>
</tr>
<tr>
<td>Graduate Students</td>
<td>8.6%</td>
<td>13.6%</td>
</tr>
<tr>
<td>Regular Staff</td>
<td>5.8%</td>
<td>7.6%</td>
</tr>
<tr>
<td>Regular Faculty</td>
<td>6.9%</td>
<td>7.6%</td>
</tr>
<tr>
<td>Tenure Track</td>
<td>7.1%</td>
<td>7.5%</td>
</tr>
<tr>
<td>Clinical Track</td>
<td>6.4%</td>
<td>8.0%</td>
</tr>
<tr>
<td>Research Track</td>
<td>5.9%</td>
<td>6.8%</td>
</tr>
<tr>
<td>Instructional Track</td>
<td>NA</td>
<td>7.1%</td>
</tr>
</tbody>
</table>
Building a Culture of Success and Appreciation

Diversity, equity, and inclusion are fundamental to our pursuit of excellence in every area of our academic mission.

- Recruitment and Retention of URM Faculty/staff/students
- Professorships – to retain talented diverse faculty
- Minority Postdoc Initiative
University of Iowa Strategic Plan - Funding

*Improving Outcomes for Students and Iowans*

- **Full implementation of the University of Iowa’s Strategic Plan will require additional resources**
  - **Total resources needed each year = $33M/year**
    - Shared responsibility between the university, state, and students/families
    - UI will generate through realignment, savings, and other activities
      - $11M per year
    - UI projects a portion of the strategic plan will be funded by resident and nonresident undergraduate, graduate, and professional students or an increase in appropriations above FY20 support
      - ~ $7M (% increases vary)
    - UI will explore maximizing utilization of existing resources through a P3 relationship
      - ~ $15M per year through P3 Utility Endowment
University of Iowa – Utilities P3

Value Proposition
University of Iowa
- Upfront resources to further investment in the quality of education and research for Iowans

New Relationship

Value Proposition
Operator/Investor
- Steady long-term payment to Operator/Investor for 50 years (duration of the lease)
- Federal tax benefits

Value Proposition
Investor

Reliable utility system focused on a sustainable future
Next Steps

Step 1:
Lump sum payment to UI of $1.165B

Step 2:
UI pays off existing utility bonds ~ $153M
UI pays off consulting fees ~ $13M

Step 3:
Establish 501c3 and invest the net proceeds (~$999M)
Goal is to provide the UI $15M annually to support strategic plan implementation and to subsidize utility expenses to keep within historical trends.
The Challenge: Maintaining Discipline

The beginning value in the P3 Endowment is ~$999 million

Must grow P3 Endowment to fund all necessary cash flows over 50 year term of agreement

P3 Endowment must support $3.03 billion in cash flow over 50 years
What does success look like?

Implementation of the UI’s strategic plan which will:

- Keep students in school
- Graduate in 4 years to decrease potential debt
- Increase peer-reviewed research
- Increase citations
- Increase awards and National Academy Membership
- Increase access to quality health care
- Stimulate Iowa’s economic growth by:
  - Commercializing university technology
  - Increasing the workforce through increased graduation rates

- World class utility system
- Protecting choices for future UI leadership
- Coal-free by 2023
- Seamless transition of staff and operational responsibility
- New student learning experiences in energy management
- New sustainability research opportunities
THANK YOU