IOWA STATE UNIVERSITY
OF SCIENCE AND TECHNOLOGY:

PREPARING IOWA’S FUTURE WORKFORCE AND ENHANCING IOWA’S ECONOMY

FY2022 LEGISLATIVE REQUEST
February 3, 2021
2020-2021: Challenges and Successes

- Total Enrollment: 31,825
  - Iowa students: 17,911
- Record retention: 88.5%
- Undergraduate 1st generation: 21.2%
- First-year U.S. Multicultural: 17.2%
- 11,000 students on fall dean’s list
- 66% of courses had in-person component or individually arranged
  - 84% of experiential courses, studios and labs had in-person component
Preparing Iowa’s STEM Workforce

Top 5 majors
1. Mechanical Engineering (1,851)
2. Pre-business (1,614)
3. Kinesiology and Health (983)
4. Aerospace Engineering (952)
5. Animal Science (942)

Top Employers of ISU graduates
• Cargill
• Caterpillar
• Danfoss
• Corteva Agriscience
• John Deere
• Collins Aerospace
• Vermeer Corporation
• Principal Financial
• Wells Fargo
• Workiva
National Leader in Preparing Innovators and Entrepreneurs

Student Innovation Center

#11 in the Nation for Undergraduate Entrepreneurship (out of 300 public and private universities)
Building Businesses, Employing Iowans through Research and Innovation

- 100 companies
- 2000 employees
- 500 student interns

Named 2020 Innovation and Economic Prosperity Innovation University
-- By the Association of Public and Land-grant Universities

Fin and Viola, started by Jim Fay and current and former students

Photo taken prior to the pandemic
Companies Value Proximity to Iowa State University

“We are all about innovation. We are looking for science-based solutions that will help us to better serve our customers. We want to work with world-class research universities and Iowa State fits that bill. It was an easy decision to establish a physical presence here.”

-- Jeff Underwood, Kent Corporation

“We consider our student employees a pipeline for our early career positions and we convert 65-75-percent of our students each year to full time. Having a site so close to campus gives us the opportunity to engage with students in a unique and consistent way.

-- Kaly Etten, Collins Aerospace

“What really gets us excited is the opportunity to help students develop skills they can bring to the market and, hopefully, to Pella. Expanding on the research being done here will drive innovation even further as students become more familiar with Pella and with our goals.”

- Kevin Gaul, Pella Corporation
Creating Iowa Innovators & Entrepreneurs

123 Startups
Since 2016
$33 Million Raised

83 Teams since 2017
$3.2 Million in Commercialization Funding; 12 Startups

64 Startups to Date
44 Active
$533,000 Invested

83 Teams since 2017
$3.2 Million in Commercialization Funding; 12 Startups

U.S. EDA
$575,432 Grant
2021 Launch
ISU Graduates are Workforce Ready

- Top 50 University for Student Engagement
  (Wall Street Journal/Times Higher Education College Ranking)
  - Entrepreneurship opportunities
  - Undergraduate research
  - 900 clubs and organizations
  - 90 learning communities

- 4.4 years Average Time to Degree
- 95% Placement Rate
ISU Innovation Improves COVID-19 Response

Veterinary Diagnostic Lab

- Dramatically increased the state’s testing capacity by rushing high-tech VDL robotic testing equipment to State Hygienic Lab
- On-campus, up to 500 tests/day with results in 24 hours
ISU Innovation Fuels Fight Against COVID-19

• $2 million in federal funding to develop COVID-19 nanovaccine
  • Needle-free, no refrigeration, one dose

• $300,000 Roy J. Carver Trust grant for COVID-19 testing platforms
  • At-home use and resource-limited clinics
## COVID-19 Financial Impact & Revenue Losses

**Start of pandemic in March 2020 – December 2020**

<table>
<thead>
<tr>
<th>COVID Financial Impact</th>
<th>Revenue Losses – FY21</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refunds Given</td>
<td>Tuition revenue reduction</td>
</tr>
<tr>
<td>(-$21M)</td>
<td>(-$33.4)</td>
</tr>
<tr>
<td>Response Costs</td>
<td>Other reductions</td>
</tr>
<tr>
<td>(-$7.4M)</td>
<td>(-$4.6M)</td>
</tr>
<tr>
<td>Lost Rev. Est.</td>
<td><em>(Interest income, indirect cost recoveries, and other income loss)</em></td>
</tr>
<tr>
<td>(-$68.6M)</td>
<td>State reduction</td>
</tr>
<tr>
<td>Savings Est.</td>
<td>(-$3.2M)</td>
</tr>
<tr>
<td>$15M</td>
<td></td>
</tr>
<tr>
<td>Federal CARES</td>
<td></td>
</tr>
<tr>
<td>$10.8M*</td>
<td></td>
</tr>
<tr>
<td>State GEERS</td>
<td></td>
</tr>
<tr>
<td>$0.5M</td>
<td></td>
</tr>
<tr>
<td>Federal CRRSSAA Est.</td>
<td></td>
</tr>
<tr>
<td>$21.6M*</td>
<td></td>
</tr>
<tr>
<td><strong>Net Financial loss</strong></td>
<td><strong>Revenue loss</strong></td>
</tr>
<tr>
<td>(-$49M)</td>
<td>(-$41.2M)</td>
</tr>
<tr>
<td><strong>Total Financial Impact:</strong></td>
<td><strong>(-$90.2M)</strong></td>
</tr>
</tbody>
</table>

*Additional $10.8M from both CARES and CRRSSA designated for student aid*
Actions Taken to Address Financial Impact

- 5% budget reduction across all units
- No performance-based compensation increase, except for Merit contract
- Athletic Department staff and President 10% salary reduction
- Non-renewal of term appointments
- Leaving vacant positions open
- 2% reduction to TIAA retirement match
- Health care premium increases and plan modifications took effect Jan. 1, 2021
- Retirement incentive program
### ISU Leads in Administrative Efficiency

<table>
<thead>
<tr>
<th>Institution</th>
<th>Admin Costs per Student</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Peer Group</strong></td>
<td></td>
</tr>
<tr>
<td>Iowa State University</td>
<td>$1,885</td>
</tr>
<tr>
<td>University of Illinois, Urbana-Champaign</td>
<td>$2,046</td>
</tr>
<tr>
<td>Texas A&amp;M University, College Station</td>
<td>$2,238</td>
</tr>
<tr>
<td>University of Wisconsin-Madison</td>
<td>$2,884</td>
</tr>
<tr>
<td>North Carolina State University</td>
<td>$3,443</td>
</tr>
<tr>
<td>Purdue University</td>
<td>$3,921</td>
</tr>
<tr>
<td>Penn State University</td>
<td>$4,353</td>
</tr>
<tr>
<td>Ohio State University</td>
<td>$4,588</td>
</tr>
<tr>
<td>University of California, Davis</td>
<td>$5,358</td>
</tr>
<tr>
<td>University of Minnesota-Twin Cities</td>
<td>$7,453</td>
</tr>
<tr>
<td>Michigan State University*</td>
<td>$14,902</td>
</tr>
</tbody>
</table>

- ISU is 75% less than Minnesota
- ISU is 52% less than Purdue
- ISU is 35% less than Wisconsin

*The data for Michigan State may include the Nasser settlement or other extraordinary expenses; MSU admin costs per student in 2017 were $3,218.*

Data Source: IPEDS
ISU’s FY22 Legislative Request to help make Iowa Future Ready

State Appropriation Request

- $7 million increase to general education appropriation
- $3.2 million restoration of FY21 cut
- $2.175 million increase for Biosciences Innovation Initiative
Historic Season Ends with Fiesta Bowl Victory

- Finished #1 in regular-season conference standings
- 9 victories
- 4 All-Americans
- Big 12 Championship Game
- First New Year’s Six bowl game
- Highest ranking (#6 CFP)
- 44 Big 12 All-Academics