
IOWA STATE UNIVERSITY[®]

OF SCIENCE AND TECHNOLOGY

Education Appropriations Subcommittee Hearing
Wendy Wintersteen, President
Feb. 12, 2024

WORKFORCE AND ECONOMIC GROWTH FOR IOWA



IOWA STATE UNIVERSITY
OF SCIENCE AND TECHNOLOGY

Digital Ag
INNOVATION LAB



Hosted By:
IOWA STATE UNIVERSITY
Ivy College of Business



IOWA STATE UNIVERSITY
Extension and Outreach



AFFORDABLE, WORKFORCE-READY EDUCATION

30,177 total students

5,859 first-year students
(up **16%** since 2020)

87.5% retention

57.2% graduate in 4 years
or less

4.17 years avg. time to
degree

95.5% post-graduation
success rate across all
majors

IOWA STATE UNIVERSITY
OF SCIENCE AND TECHNOLOGY

NATIONAL, GLOBAL RECOGNITION

- 2023 Entrepreneurial University of the Year for the Americas
- Top Innovation and Economic Prosperity Award from the Association of Public and Land-grant Universities
- National Research Powerhouse: Top 3% in the Nation
- #38 in the Nation Best College for Future Leaders
- 2023 Best for Vets College

STEM WORKFORCE AND INNOVATION

FY24 OUTCOMES: \$2.8M INVESTMENT

Faculty hires in **high-demand** programs

60% of students (**18,176**) major in STEM

- Mechanical Engineering: **1,969** students
- Computer Science: **1,178** students
- Animal Science: **1,009** students
- Industrial and Manufacturing Systems Engineering: **449** students
- Materials Science and Engineering: **165** students
- Biomedical Engineering (New): **53** students



IOWA WORKFORCE GRANT AND INCENTIVE PROGRAM

FY24 OUTCOMES: \$6.5M FOR STUDENTS
ATTENDING REGENTS' INSTITUTIONS

ISU provided workforce grants
to **1,317 students**

Top 10 Majors:

1. Animal Science
2. Elementary Education
3. Mechanical Engineering
4. Software Engineering
5. Finance
6. Computer Science
7. Accounting
8. Marketing
9. Animal Ecology
10. Electrical Engineering



VETERINARY DIAGNOSTIC LABORATORY

April 4, 2024:
Phase 1
Dedication
and
Phase 2
Groundbreaking



STEM WORKFORCE AND INNOVATION

FY25 SPECIAL APPROPRIATION REQUEST: \$10M

1. Support ISU degree programs
2. Enhance Iowa's Manufacturing Industry
3. Support rural vitality to attract and retain rural workforce

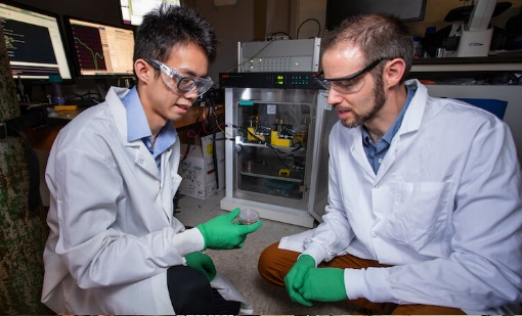
STEM WORKFORCE AND INNOVATION

1. Support ISU degree programs that align with Iowa's Hot 50 Jobs and other programs in key STEM fields:

Architecture
Artificial Intelligence
Computer Science
Cybersecurity
Digital Agriculture
Engineering

Finance
Healthcare Management
Marketing
Veterinary Medicine
STEM Teacher
Preparation





STEM WORKFORCE AND INNOVATION

2. Enhance Iowa's Manufacturing Industry

- Develop Iowa's Manufacturing Workforce
 - CyTech Labs
 - Expand rural internships to strengthen the talent pipeline
- Bring Manufacturing Tech to Rural Iowa
 - CIRAS Digital Manufacturing Lab mobilized
- Advance Digital Agriculture – Crops and Livestock





STEM WORKFORCE AND INNOVATION

3. Support rural vitality to attract and retain rural workforce

ISU Extension and Outreach Programs:

- Expand Rural Housing Readiness Assessment
- Expand delivery of Mental Health First Aid Program
 - Community partners and farm audiences



EDUCATIONAL EXCELLENCE AND IMPACT

FY25 GENERAL OPERATING REQUEST: \$4.5M

- Maintain affordability/ competitive student financial aid
- Sustain educational support services for all students
- Expand innovation and entrepreneurship
- Drive economic development across Iowa
- Retain talented faculty and staff
- Address financial challenges due to inflation



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