



Idaho State
University

CoSE All College Meeting

August 15, 2022

ROAR



Idaho State
University

Welcome!

Provost Valerie Martin Conley

ROAR



ISU Strategic Plan

Integrity

Honesty in our actions and words

Community

Fostering connections

Inclusivity

Valuing all and building a culture of belonging

Teamwork

Collaborating with compassion and respect

Shared Responsibility

All contributing to our success

Learning

Continuous growth and development

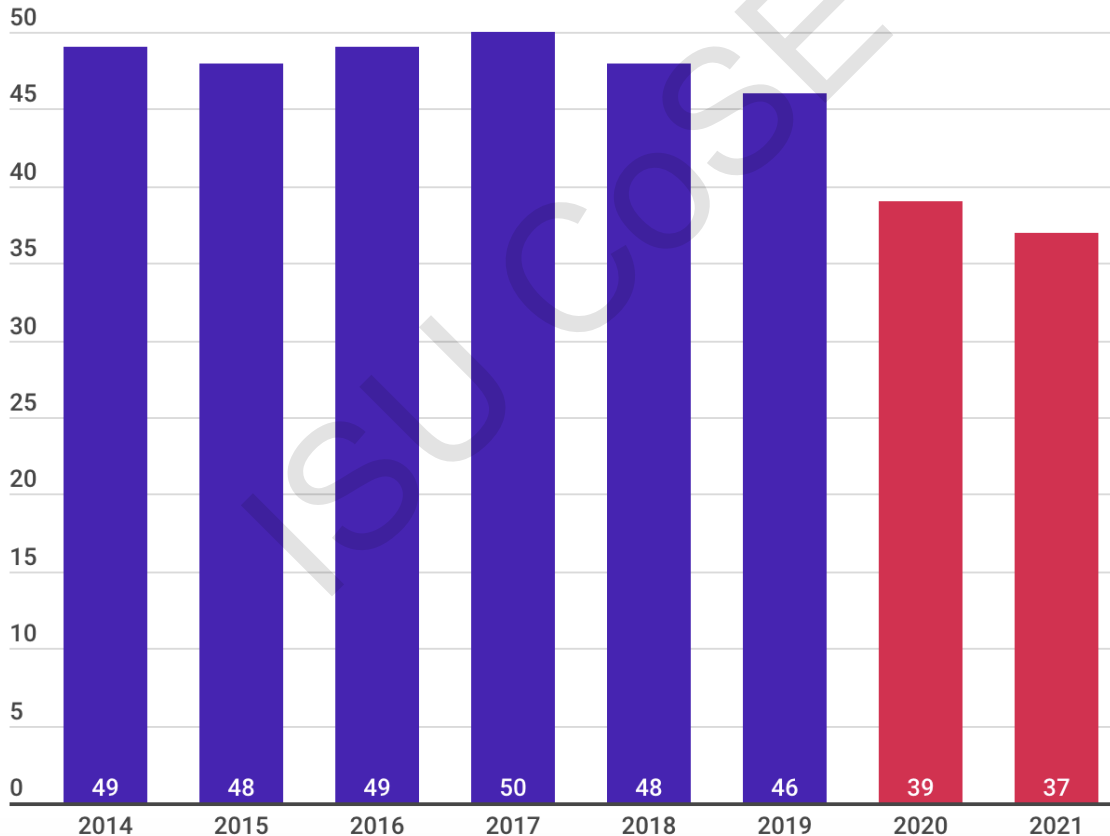


Reflections on higher education

- Our institutional reason for being is to educate/mentor students
- We prepare them for better lives for themselves and their families
- *Large portions of our population should be able to see a college education as a pathway to a better life, rather than something that is restricted from them*
- We collectively must emphasize the value of a college education

A downward trend continues

Even as Idaho spends millions of dollars on scholarships, incentives and programs to encourage high school graduates to continue their education, the state's "go-on rate" has fallen for four successive years. Here's a look at the "immediate" fall enrollment rate since 2014.





Reflections on higher education

- In the face of a demographic cliff successful institutions will be nimble and student focused
- Teaching and mentoring are directly informed by our research
- Research leads our faculty and students to discover new knowledge and applications
- This combination of quality education and novel research contributes to our students and society



Reflections on higher education at CoSE/ISU

- Our faculty and staff are committed to the education and success of our students
- Our students come to us as they are, not as we wish them to be
- Today's students are more outcome oriented than previous generations
- To attract and retain students we need to tie an ISU education to tangible future opportunities
- Our curriculum should reflect an innovative and interdisciplinary world



Reflections on higher education at CoSE/ISU

- Covid has been disruptive
- Disruption causes anxiety
- Disruption also allows opportunity
- We need to practice kindness to our students and to ourselves
- At the same time we need to ask how we seize opportunities to change and improve
- As a college our power lies in our ability to transform the lives of our students



Our shared success

- Commitment to diversity and inclusion
 - 50% of TT hires in the past 4 years are women
 - Represents a net gain of 7 women
 - STEM IS U
- Supporting student success by adding three professional academic advisors during the past 3 years
- New cybersecurity certificate attracted 32 students in its first year
- New BS and MS degrees in Computer Engineering
- Enrollment is up in CS & ECE



Reflections on our shared success

- First ever ISU Disaster Preparedness and Response Conference unites CoSE, INL, CoH, and CoT
- Outreach to K-12 has resumed in earnest
- Successful line item request to add faculty to Nuclear Engineering
- CoSE faculty receive prestigious early career awards
 - Dr. Devaleena Pradhan–NSF CAREER
 - Dr. Kristin Lane–NIH New Innovator
 - Dr. Amir Ali–NRC Faculty Development

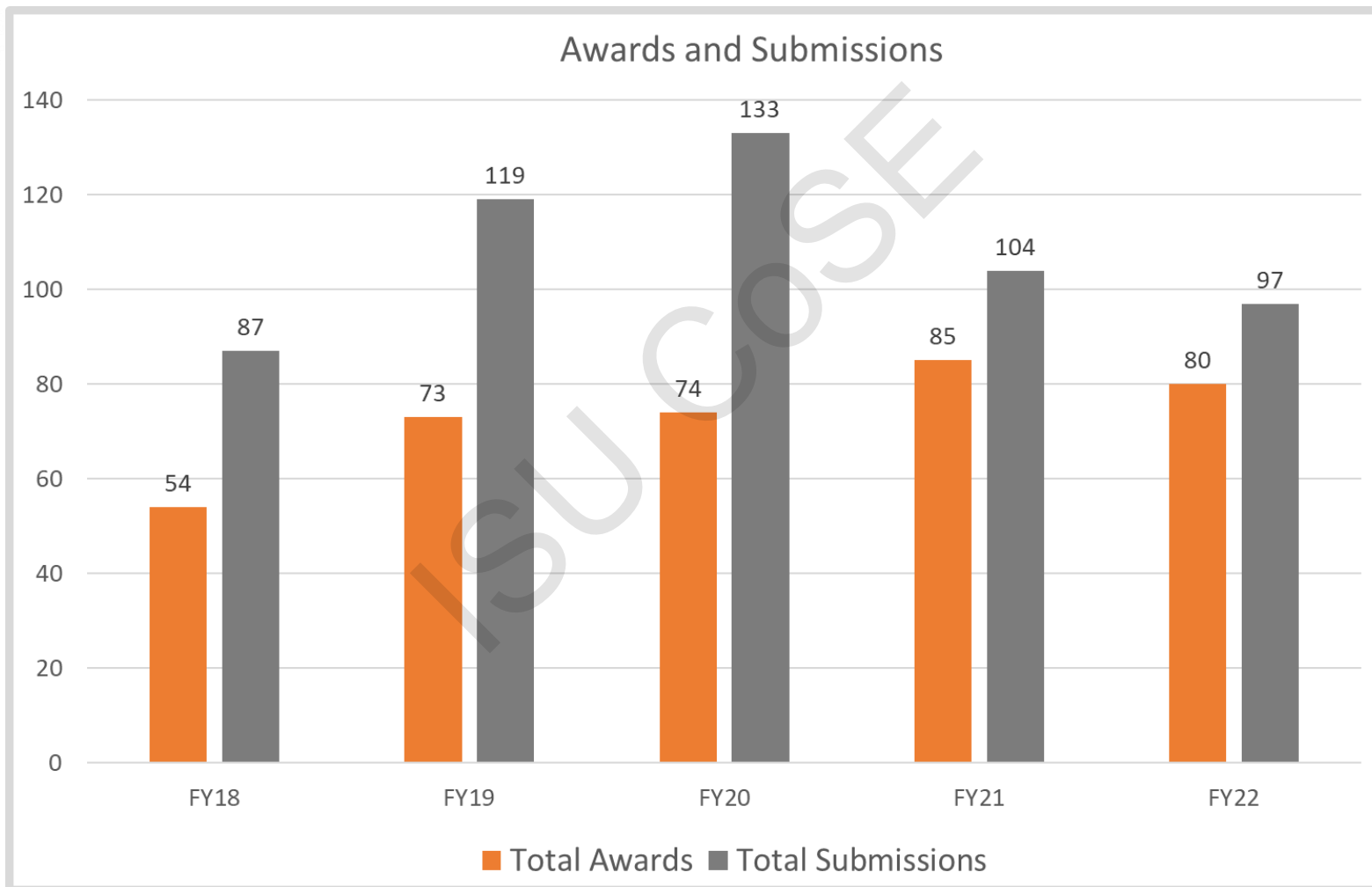


Reflections on our shared success

- Biology & Chemistry collaborate on \$1.5 M NSF S-STEM award for transfer students
- Over \$1 M in awards from NRC last year
- Partnership with INL is particularly strong
 - 7/9 CoSE departments with funded collaborations
 - ~\$1.7 M in awards
- Substantial investment in start up packages is paying off!

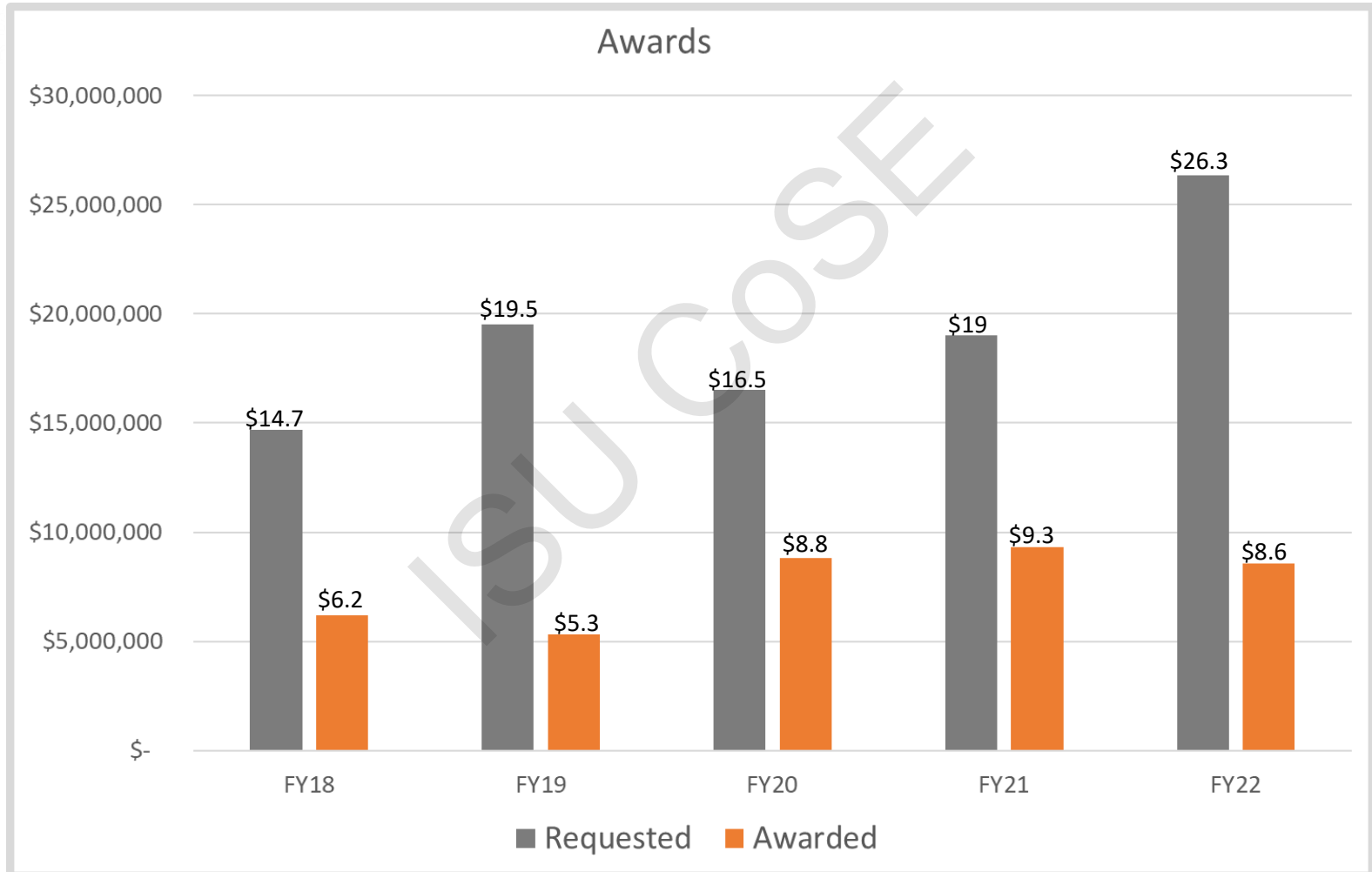


Research Activity





Research Activity





Top 10 Funding Agencies

- National Science Foundation
- Battelle Energy Alliance/ INL
- US Nuclear Regulatory Commission
- Idaho Department of Environmental Quality
- National Institutes of Health
- Idaho Department of Health and Welfare
- Idaho State Board of Education
- US Department of the Interior
- US Department of Energy
- US Department of Agriculture



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College Updates

ISU COLLEGE

ROAR



New Faculty

Searches since Fall 2019

Faculty other than Tenure Track

Biology

- Eliezer Schwarz
- Mary 'Susan' Marion
- Michael Swenson
- Sherry Adams

Chemistry

- Andrew Bernard
- Kate McMurtrey
- Necoline "Lena" Allen

Computer Science

- Larry Leibrock
- Jason Wright

Geology

- Ryan Anderson

Mathematics & Statistics

- Bryan Barclay
- Caleb Eknoian
- Crystine Chipman
- Daniel Korytowski
- Michael Marion
- Ronald Gonzales



New Faculty

Searches since Fall 2019

Tenure Track

Biology

- Anirban Chakraborty
- Anna Grinath
- Brandon Peecook
- Heather Ray
- Josh Grinath
- Kathryn Turner
- Kristin Lane
- Rebecca Hale

Chemistry

- Cori Jenkins
- Leslie Nickerson

Computer Science

- Farjana Eishita
- Leslie Kerby
- Minhaz Zibran

Elect & Comp Engineering

- Andrew Chrysler
- Mostafa Fouda
- Yaodan "Cindy" Hu

Geosciences

- Kendra Murray
- Kurt Sundell

Mathematics & Statistics

- Jake Rhodes
- Patrick Rault

Mechanical Engineering

- Taher Deemyad
- Rajib Mahamud



Dean's Office Update

- Dr. Rene Rodriguez, Associate Dean
- Dr. Patrick Rault, Chair of Mathematics & Statistics
- Dr. Marco Shoen, Chair of Mechanical Engineering
- Ms. Kirsten Broughton, Senior Accountant
- Mr. Logan McDougall, Exec Dir College Relations
- Mr. Cameron Brooks, Senior Director of Development
- Mr. Darin Rieske, Administrative Assistant



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Development Update

ISU COSEE

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STEM is U

- Scholarship program initiated in 2019
- Originally intended to support underrepresented groups
- Rewritten for state and federal compliance
- Umbrella scholarship that includes:
 - Thomas Loerger Scholarship—\$500,000 endowment pledged, supports one student for four years
 - North Wind Group—initial tranche of \$60,000 endowed
 - Phoenix Copper—\$3,000 annual, planned future endowment
 - STEM IS U—annual \$33,000



Scholarships

Scholarships

- \$2,604,569 in scholarships for CoSE majors for AY 2021-22
- Over \$4 M in scholarship endowments plus \$500,000 in pledges

Notable Scholarship Endowments

- Thomas Sherwood Memorial \$263,045
- The John and Mabel Brannelly Memorial \$117,271
- Meadows Memorial Endowment \$205,723
- James Morris Stream Ecology Endowment \$693,161



Dean's Excellence Fund

- Current, non-endowed balance of \$169,000
- Used to support a variety of student needs (e.g., tuition, books, research support) on an *ad hoc* basis
- We are seeking input on a more systematic way to support student enrollment and retention
- Please provide suggestions to Cam



CoSE Development Priorities

- Continue to boost scholarship support
- Identify and expand the donor base
- Develop industry partnerships for student support, internships, research projects & tech transfer
- Solicit funds for CoSE facilities and equipment
- Solicit funds for endowed professorships
- Please provide contacts to Cam

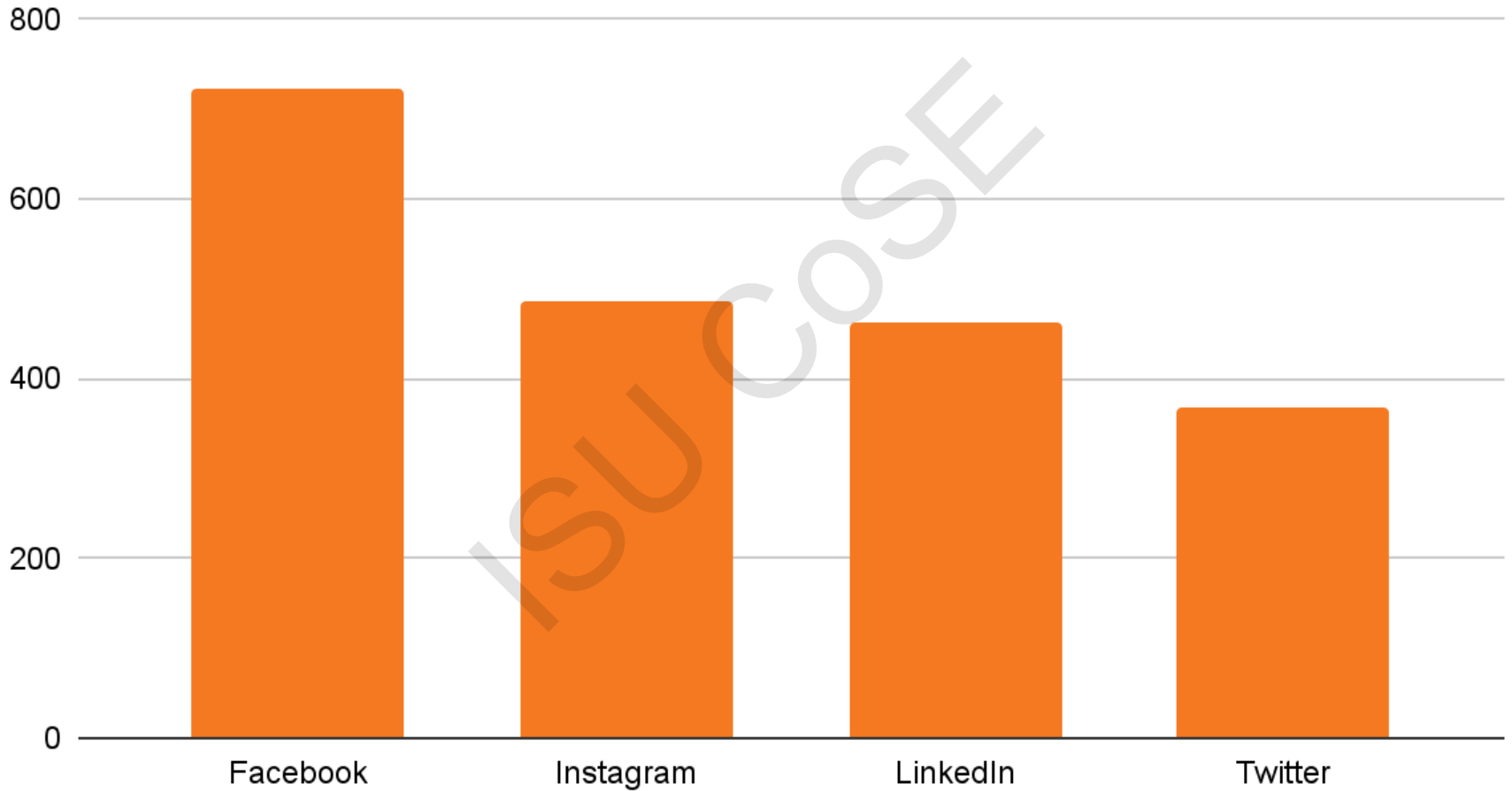


Outreach update

What we've done

- Revamped “What’s Happening...”
Debuted in Feb.
- Started ISU STEM Connections in March
- Outreach events
 - CSI Transfer Fair
 - Bingham County Career Fair
 - CoT Tech Expo
 - Bengal Visit Day
- Joined LinkedIn in December 2021

Total Followers by Social Channel



Data as of August 5, 2022



Outreach update

- What can you do to help?
- Keep content/story ideas flowing
 - 28 news releases sent by CoSE in last year
- Participate in outreach events
- Follow, like, and share!



FY23 CEC (Change in Employee Compensation)

- Across the board 3% increase
- Hourly and annual minimum increases
 - Hourly minimum to \$13
 - Annual minimum for exempt employees to \$42,500
- Merit/Market increases

ISU FY23 CEC Distribution Matrix for Classified Staff, Non-Classified Staff, and Faculty

Compa-Ratio/Market Comparison	Needs Improvement/ Does Not Achieve Standards (Below Expectations)	Meets Expectations	Exceeds Expectations (Above Expectations)	Consistently Exceeds Expectations (Exceptional)
At or above market/midpoint	\$0/hr	\$0.45/hr	\$0.55/hr	\$0.70/hr
85 - 99%	\$0/hr	\$0.50/hr	\$0.65/hr	\$0.80/hr
80 – 84.99%	\$0/hr	\$0.55/hr	\$0.75/hr	\$0.90/hr
75 – 79.99%	\$0/hr	\$0.65/hr	\$0.85/hr	\$1.00/hr
Less than 75% market/midpoint	\$0/hr	\$0.75/hr	\$0.95/hr	\$1.10/hr



Budget Overview

- CoSE appropriated budget for FY23 is \$16,813,350
- Local budget of \$1 million
 - Most of this is class fee revenue (self-balancing)
 - Includes ~\$350,000 of F&A return
 - 1/3 passed through directly to originating department
 - 2/3 retained at college level to support
 - Departmental research support block grants
 - Continuing faculty start-up
 - CoSE IT



Budget Overview

- Grant Expenditure of \$5,000,000 (approximate)
- Planned vacancy savings will be used to meet operational needs, including:
 - New faculty start-up
 - Moving expenses for new faculty
 - Adjunct support
 - Computer & Software support
 - Other internal strategic investments
- Strategic Investment Fund (from vacancy savings) ~\$400,000



Strategic Investment –Big Ideas Wanted

- Interdisciplinary
- Innovative
- Transformative
- Sustainable
- Curriculum
- Pedagogy
- Research
- Mentoring
- Supports student enrollment & success
- Supports faculty and staff success
- Supports external funding



Strategic Investment –Big Ideas Wanted

- Talk to your colleagues
- Think big
- Proposal mechanism announced soon
- Please remember funds must be expended by June 30, 2023



Facilities Updates

- Dean's Office new location-PSC 120
- Computer Science faculty offices–Colonial Hall second floor
- Renovation of PSC 106 is complete and is now the CS & ECE lab and grad student space
- Renovation of PSC 107 is complete and is Physics & general CoSE grad student space
- Renovation of LC 110 to be completed by end of August 2022



Facilities Updates

- Campus-led renovation for new student lounge in PSC 129 begins in August 2022
- Campus-led renovation for student lounge in PSC 204 underway, completed September 2022
- Campus-led renovation of Colonial Hall (Time frame TBD)
 - Bathrooms and Hallways



Facilities Updates

- College faces substantial additional needs for research space
 - GLS is near the end of functional life
 - Research space in IF is inadequate
 - Faculty demographics indicate additional need for research space, particularly for Engineering
- Current pre-programming effort on the IF campus
- Likely PBFAC request for funds for basement of PSC and the high bay in Lillibridge
- AA is requesting a CoSE list of teaching spaces for potential upgrade



On the Horizon

- Resumption of Donuts with the Dean
- ABET Accreditation year of record
- Potential Line Items FY24
 - Cybersecurity/Computer Science
 - Nuclear Energy
- New faculty mentoring program
- Progress towards CoSE strategic plan
- Data-informed enrollment management
 - College continues to face enrollment challenges



Communication

- Reach out
 - Colleagues
 - Chair
 - Associate Deans and Dean
- Invite the dean to a student group, research group or departmental meeting
- Share your success stories
- We all want what is best for our students and ISU



All College Reception

Meet at Goody's

Pizza & soft drinks provided

No host bar

Q & A

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