Dr. José-Marie Griffiths

President, Dakota State University

Joint Committee on Appropriations

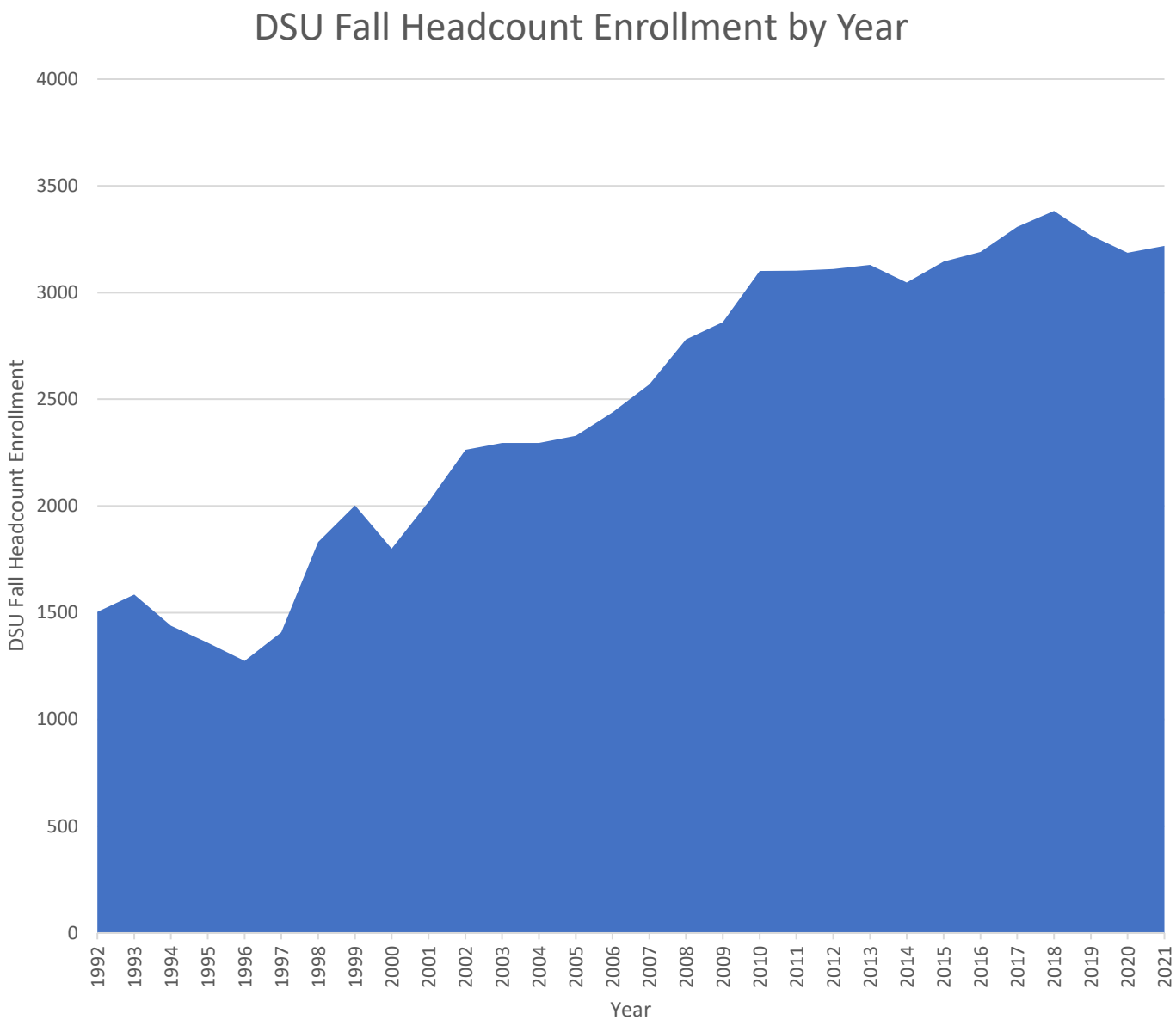
January 5, 2022

DAKOTA STATE UNIVERSITY

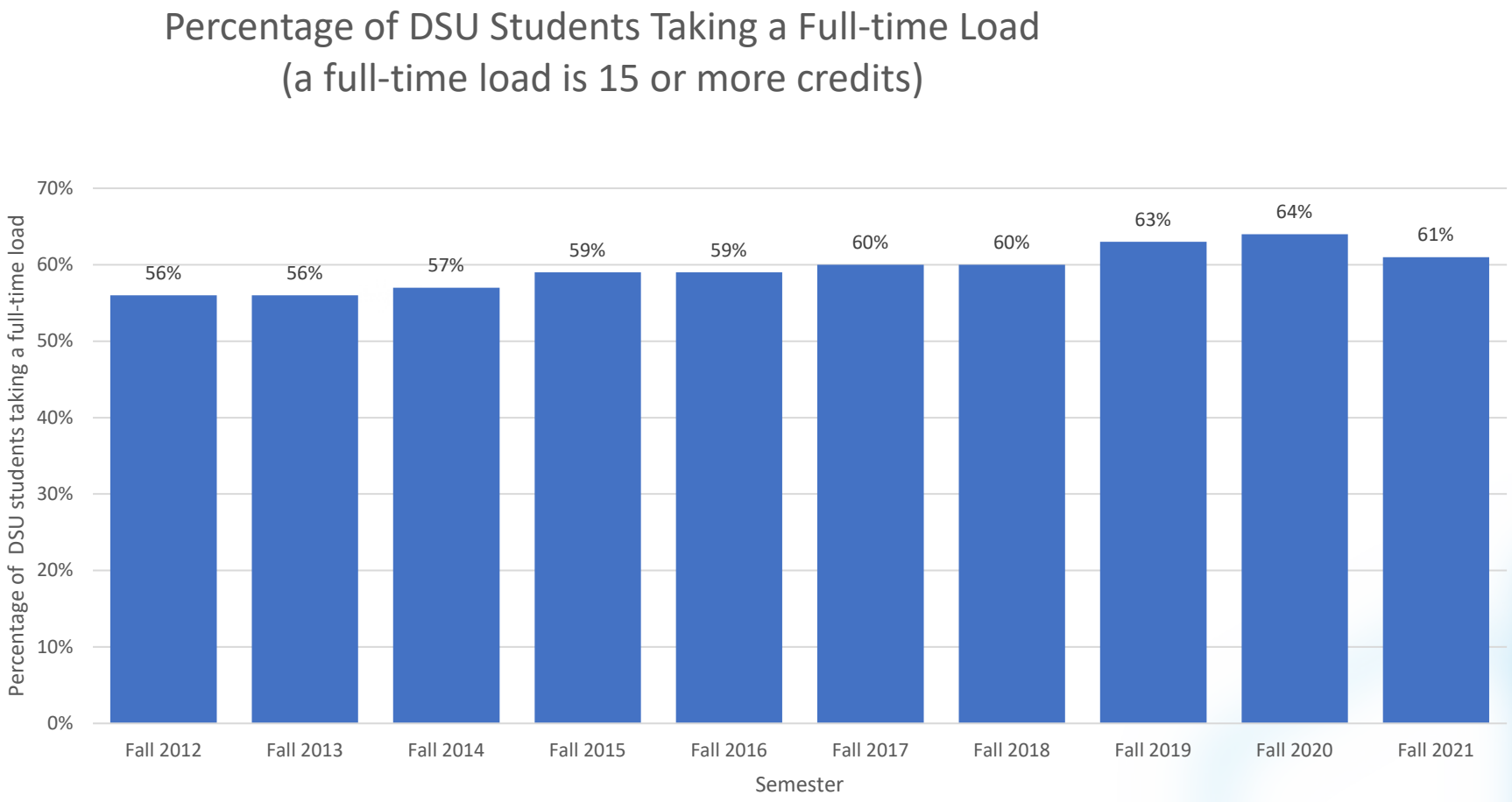
TOTAL ENROLLMENTS

(overall for Fall 2021)

- Student headcount + 1.04 %
  - Graduate students + 4.93 %
- South Dakota students + 1.29 %
- Online-only students + 1.55 %
  - Of these, 57% are SD students
- International students + 55.4 %
- Students living on campus + 2.2 %
  - Occupancy rate: 83%
  - Effective occupancy rate: 97%
- Student FTE - 3.30%
- Retention + 0.7 %



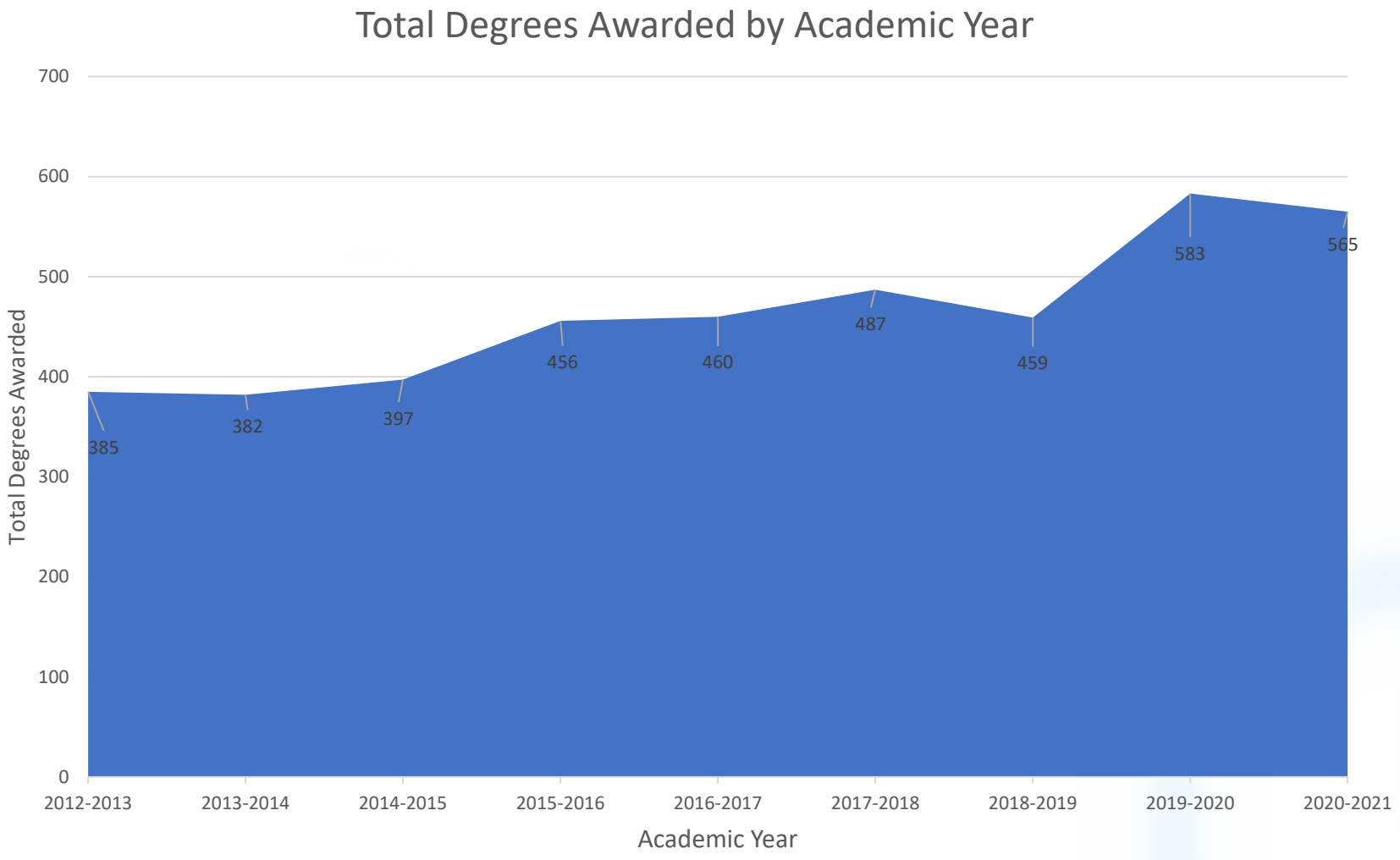
ENROLLMENT: FULL-TIME LOAD STATISTICS



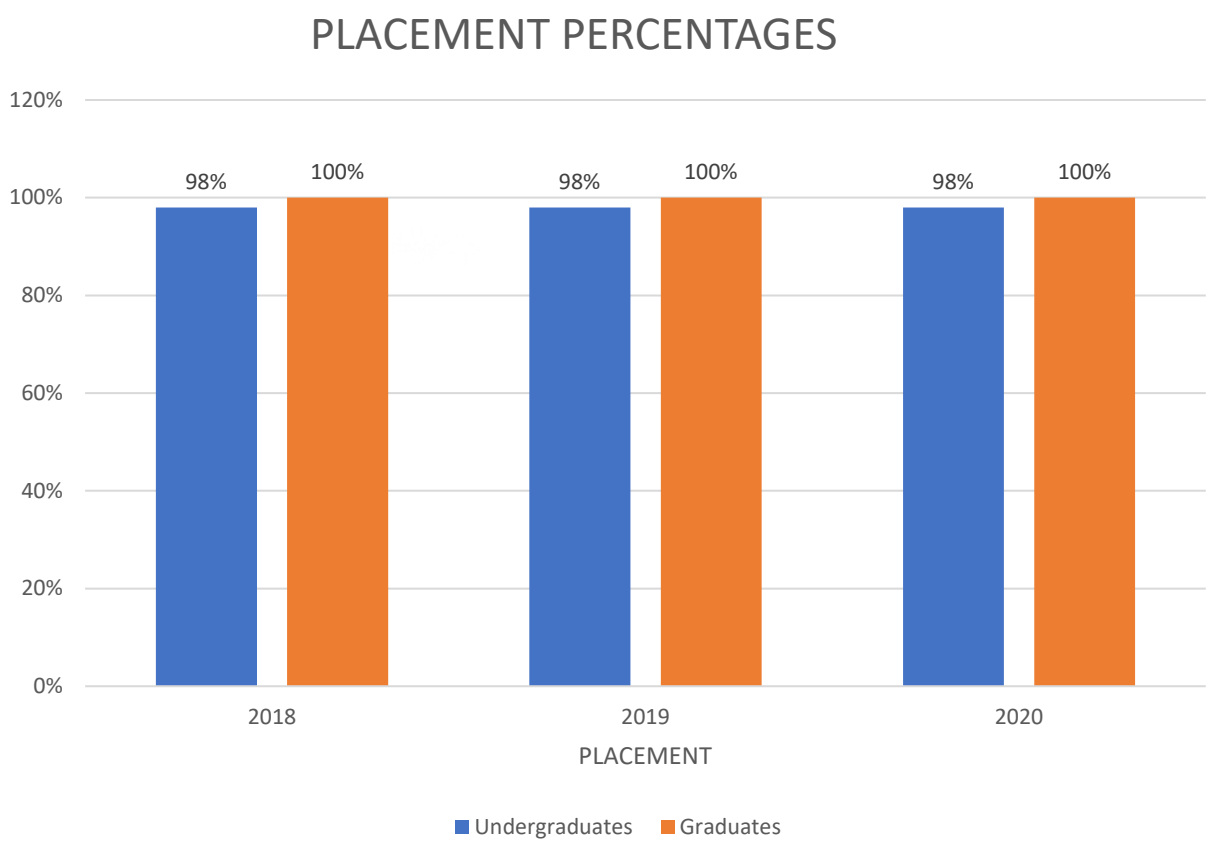
Significant because students taking full-time loads:

- Perform better overall
- Are more likely to graduate in 4 years

ENROLLMENT: TOTAL DEGREES AWARDED



ENROLLMENT: PLACEMENT



QUALITY STUDENTS & ALUMNI

- Four DSU students chosen for the 20-member **U.S. Cyber Team** international competition, applicants were from across the nation
- Gabe Lamb chosen as one of seven students nationwide to join the **U.S. Space Force**
- Corben Leo wins **"Hack the Army"** challenge two years in a row
- Alumnus Evan Bolt works on Johns Hopkins Coronavirus Research Center **COVID-19 Dashboard**
- Annabelle Klosterman wins **Capture the Flag** at national WiCyS conference; Jacob Hince, Shane Donahue, Austen King, and Gaelin Shupe win CTF at Wild West Hackin' Fest.
- DSU students **research alfalfa**, providing important information for producers, and making DSU the only place in the state to conduct this type of research
- Student games gain attention on **STEAM** Website

Evan Bolt

NATIONAL SCHOLARSHIP WINNERS

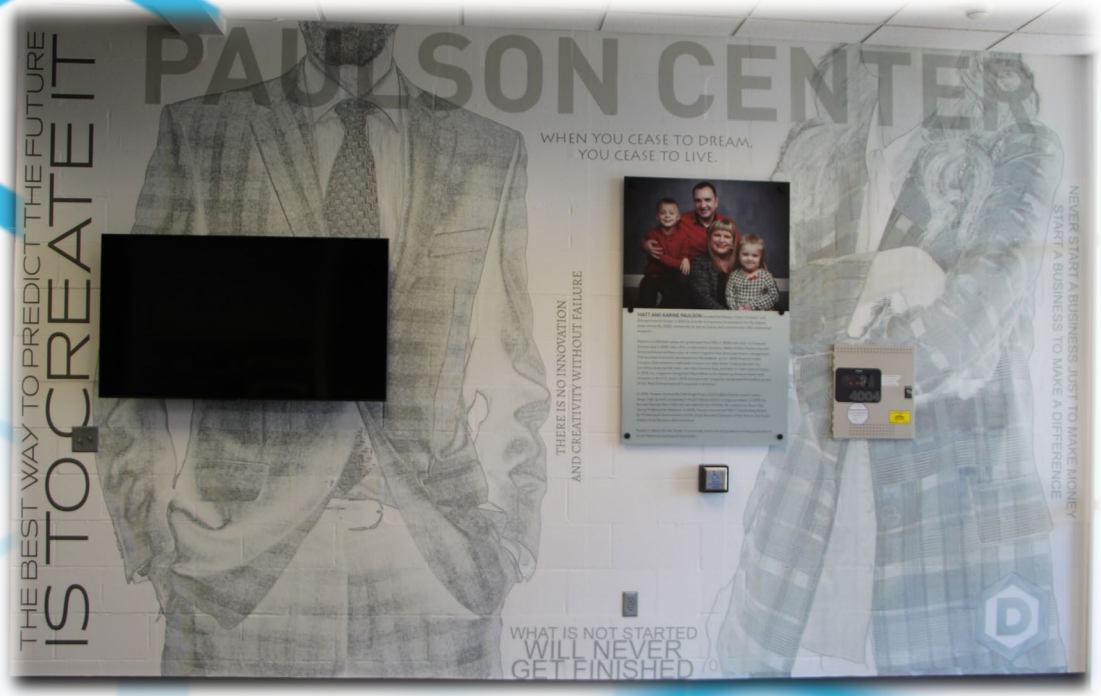
- Keinen Bousquet awarded $10K **Google/Student Veterans of America** scholarship
- Graduate Student Sherry Neher chosen for **DOD Scholarship in Science, Math, and Research Transformation** program
- Spencer Sexton chosen for **Foreign Affairs Information Technology** Scholarship

Keinen Bousquet

NEW DEGREE PROGRAMS

- New degree programs
  - Ph.D. in Computer Science (with SDSU)
  - B.S. in Artificial Intelligence (The Beacom College)
  - B.S. in Artificial Intelligence in Organizations (College of Business and Information Systems)
  - A.S. in Network Security & Administration (with BHSU at Rapid City Center)
- Eliminated degree majors for efficiency
  - Eliminated 5 majors and created one Business degree with five specializations
  - Eliminated 2 majors and created one Biology degree with two specializations
  - Eliminated 2 Majors and created one English for New Media degree with two specializations
- New articulations with 10 community or technical colleges
  - Including Southeast Tech and Mitchell Tech
- DSU Cyber Academy locations:
  - Madison, Sioux Falls, Harrisburg, O’Gorman and the Southern Hills Education Consortium (in process)

RESEARCH HIGHLIGHTS



- Opened the Applied Research Lab in June 2021
- ARL and MadLabs® together created:
  - 47% increase in full-time research employees
  - 39 students received some research funding
- Opened Paulson Cyber Incubator & Entrepreneurial Center in August 2021
  - 1 provisional patent awarded to Dr. Justin Blessinger
  - 1 product in development for licensing/patent

RESEARCH PARTNERS

- National Security Agency, Department of Homeland Security, Naval Air Systems, Army Cyber, Air Force Research Lab
- South Dakota: Attorney General Office, Dept. of Health, Dept. of Social Services, Sioux Falls Police
- Sanford Health, Mitre Corp., Raytheon, Peraton, Raven Industries, Teligen, IDEMIA
- In development: Northrop Grumman, ManTech
- DSU-Sanford Health CyberHealth Strategic Alliance
  - Active planning: training, data use and IP, and cybersecurity
  - Preliminary planning for the Virtual Care Center announced recently

FACULTY & INSTITUTION SUCCESS

- Faculty received **NSA Grants**, including a workforce development grant ($6M between DSU and 9 other institutions) and a grant for IoT device identification
- Ground-breaking work taken place on the **CyberHealth Strategic Alliance** with Sanford Health
- Dr. Justin Blessinger received DSU's first patent, a **provisional patent** for an assistive technology device
- Dr. Ashley Podhradsky featured in "**IF/THEN She Can**" statue exhibit
- Dr. James Maloney selected for **NASA fellowship**
- Our new podcast, **Cyberology**, discusses all things cyber & technology
- Expanded our support of distinctive women by providing a new STEM scholarship at the **Miss America** TEEN competition, and continuing the STEM scholarship at the Miss America competition
- DSU chosen to provide training components for SD Biotech's **FAST Launch** program

FACILITIES

- **Residence Village** opened in August 2021
- **Entrepreneurial Building**, housing the Paulson Cyber Incubator and Entrepreneurial Center, opened in August 2021
- **East Hall** renovation completed in September 2021

CHALLENGES

- Recruiting and retaining talent
- Aging DSU workforce
- Balancing growth with resources needed to sustain that growth

PRIORITY BUDGET REQUESTS

Employee Salary Proposal

We support the Governor's **Employee Salary Proposal** for a 6% salary increase, as this adjustment will help us remain competitive as we recruit additional faculty and staff to support our programs.

PRIORITY BUDGET REQUESTS

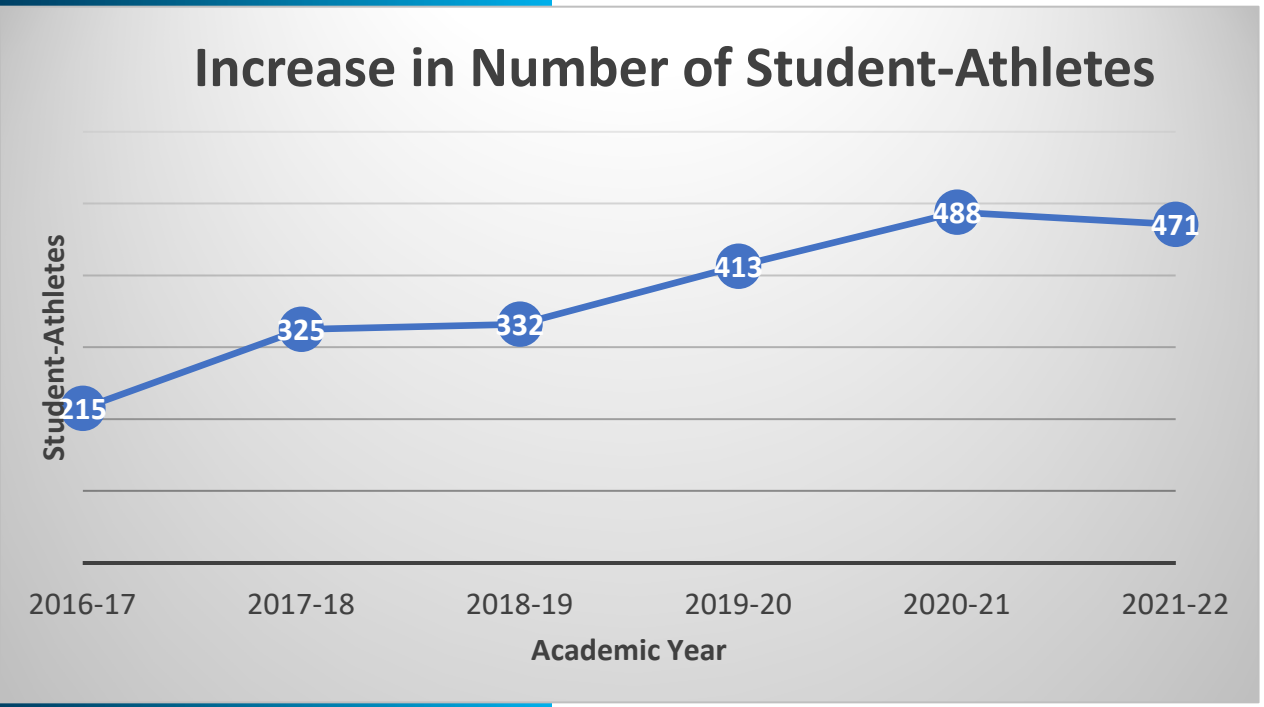
Athletics Events Center

We are seeking Legislative approval to build the **Athletics Events Center**, Phase I of the new Athletics complex.

This Center will be built using private funds of $28M, along with $7M in an M&R endowment for Phase I.

PRIORITY BUDGET REQUESTS

Athletics Events Center



Our 2017 Athletics Master Plan had the following goals:

- Increase the number of student-athletes
  - ✓Increased the number of student-athletes almost 55% in six years
- Add academic programs
  - ✓MBA with an emphasis in sports leadership
- Improve athletics facilities
  - ✓In 2017, completed an athletics' facilities master plan
- For fundraising purposes, we organized the project into 3 key phases
  - ✓Events Center
  - ✓Indoor track & practice facility
  - ✓Basketball/volleyball arena

PRIORITY BUDGET REQUESTS

Athletics Events Center

The Events Center will include:

- Team locker rooms
- Coaches' offices
- Training facilities and weight room
- Esports arena
- Indoor gathering space
- Biomechanics lab and classrooms
- Indoor gathering space, hospitality and concession spaces
- Media and VIP suites
- Athletics Hall of Fame
- Restrooms

The Events Center will serve as a link between athletic fields, courts, and event spaces.

PRIORITY BUDGET REQUESTS

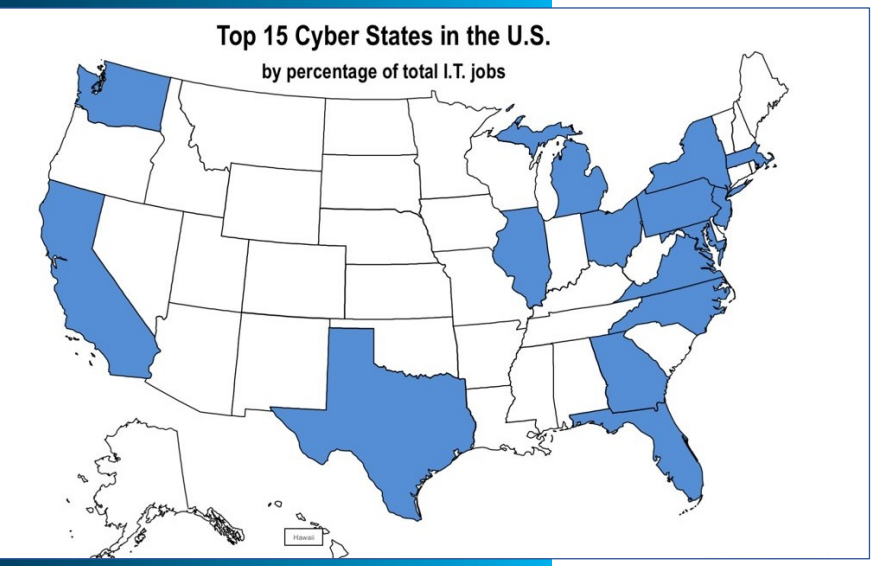
Athletics Events Center

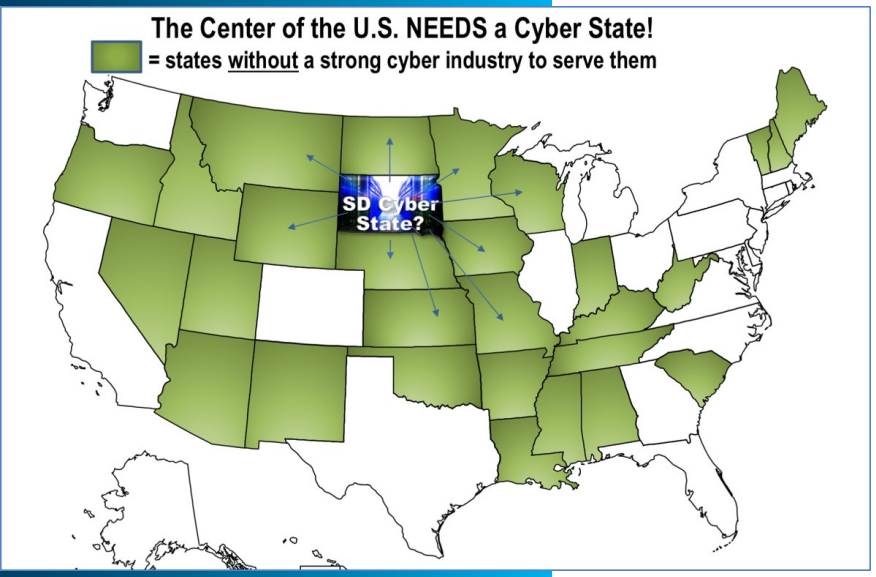
Anticipated impacts from this project:

- ✓ Increased student enrollment
- ✓ Balanced distribution of academic majors
- ✓ Increased revenue-generating opportunities for DSU
- ✓ Business partnerships
- ✓ Increased revenue-generating opportunities for the Madison area

PRIORITY BUDGET REQUESTS

Cyber Programs Expansion

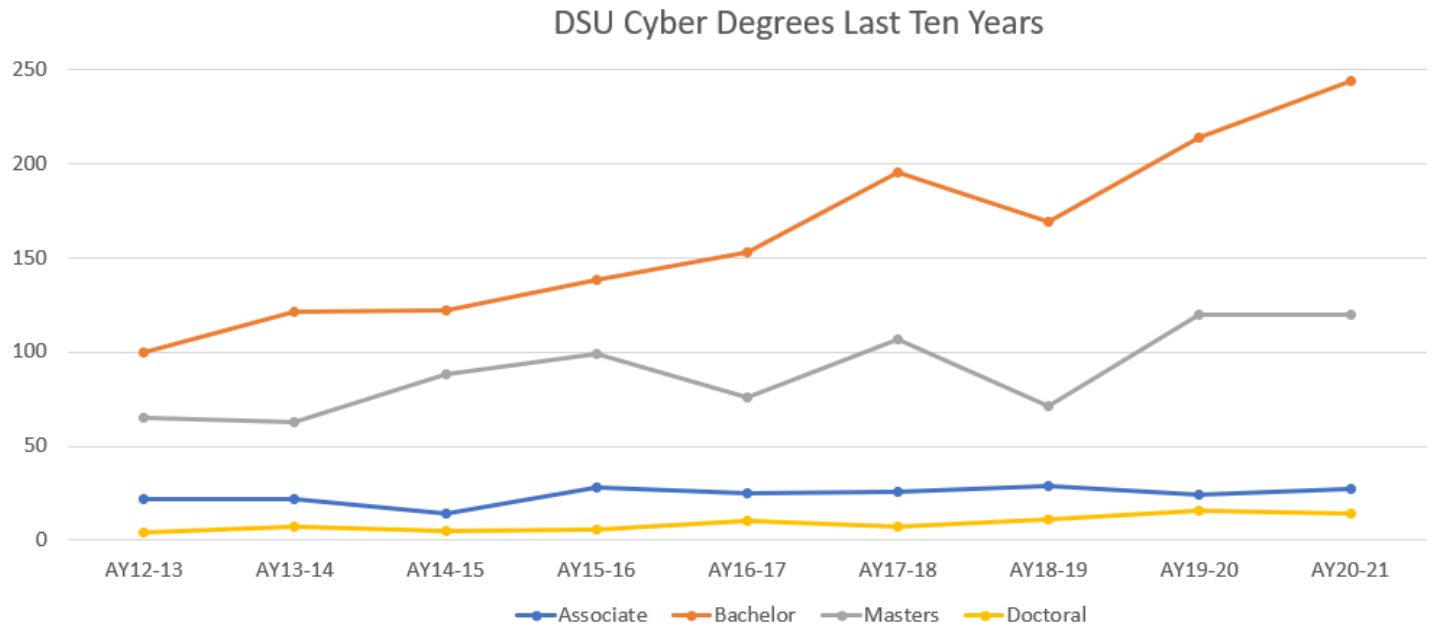




- Initiative evolved over the past 3-4 years
- Identified a significant cyber security workforce gap
- Considered DSU's national reputation and developed a vision
- Asked to develop a plan, which has the elements addressed in this request

PRIORITY BUDGET REQUESTS

Cyber Programs Expansion



Funded through the Governor's $30M budget request, this plan will:

- Scale and enhance DSU's cyber programming, which will include doubling the number of graduates from DSU's Beacom College of Computer and Cyber Sciences from 200 to 400

  - ✓ Hire faculty and staff in Madison - $10 million over a 5-year period
  - ✓ Recruit and retain students - $10 million over a 5 year-period

- Enhance the talent pipeline by launching the Governor's Cyber Academy, where high school students can earn college credits in computer and cyber sciences

  - ✓ Governor's Cyber Academy - $10 million over a 5-year period

ADDITIONAL BUDGET INFORMATION

Changes to original FY22 appropriation:

- Adjustment to the original utilities budget
- Additional authority for the Federal HEERF III funding

Overtime/contracted positions:

- Overtime is used only as needed to address unanticipated needs such as snow removal
- Contract services are used only when positions are unable to be filled, such as counseling services

ADDITIONAL BUDGET INFORMATION

Utilization

- FY21 FTE Utilization 99% utilization
- FY20 FTE Utilization 100% utilization

Vacancy Savings

- Used to cover termination/leave payouts, faculty course overload

ADDITIONAL BUDGET INFORMATION

DSU HEERF Data

(Higher Education Emergency Relief Fund)

Award, Expenses, and Remaining Balance
as of December 30, 2021

	Student Grants	Institutional Funds	Strengthening Institutions	Total
DSU Award	$2,389,180	$3,173,374	$244,072	$5,806,626
Total Expenditures	$1,918,748	$2,254,220	$114,677	$4,287,645
Remaining Balance	$470,432	$919,154	$129,395	$1,518,981

Thank you for your attention.

DAKOTA STATE
UNIVERSITY

#DSURising