

**NDSU**

# 2025-27 Biennial Budget Request

**NDSU >> Agency 235 >> David Cook, President**

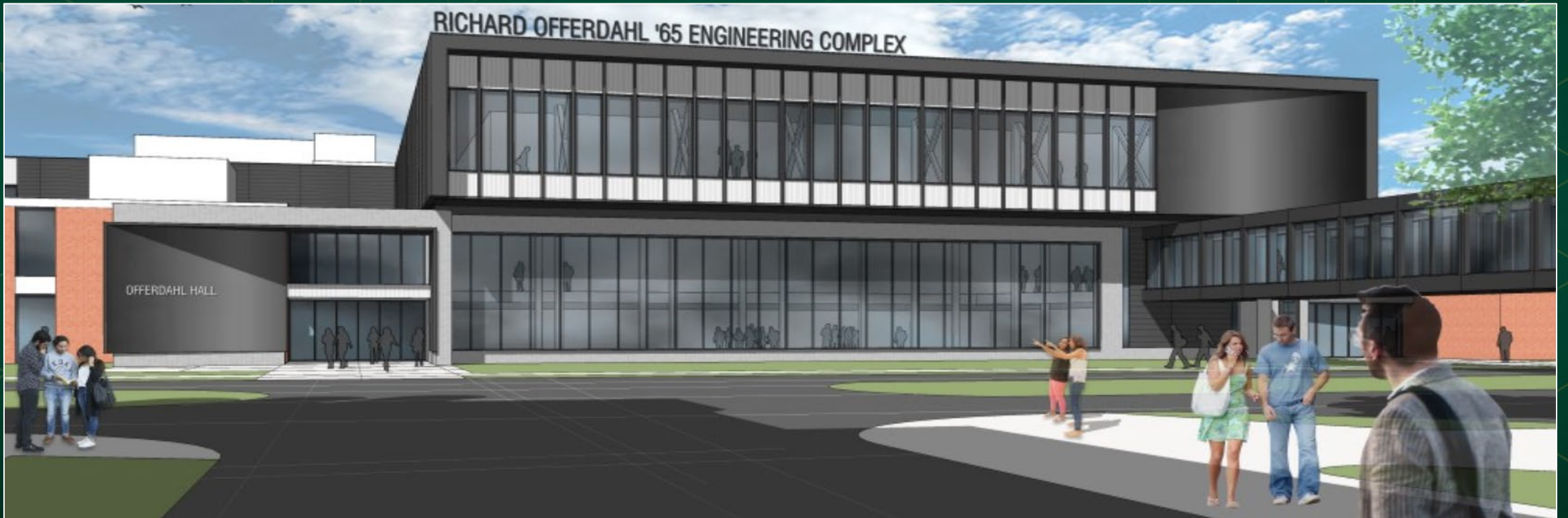
N O R T H   D A K O T A   S T A T E   U N I V E R S I T Y

# THANK YOU

- › Tuition freeze funding
- › Challenge Grant funding
- › Richard Offerdahl '65 Engineering Complex
- › Educational Transformation Funding
- › Compensation packages
- › Equity funding
- › Northern Tier Network North Dakota
- › Economic Diversification Research Funds

# Offerdahl '65 Engineering Complex

The North Dakota Legislature generously allocated \$59 million for the project. NDSU matching funds totaling more than \$40 million included a historic gift of \$25 million from Richard and Linda Offerdahl and leadership gifts from Doosan Bobcat, Mortenson, Marvin, and numerous other benefactors.



Construction will be complete in time for classes to begin August 2026.

# 2023-25 Educational Transformation Funding

Previous \$4.8M one-time investment led to:

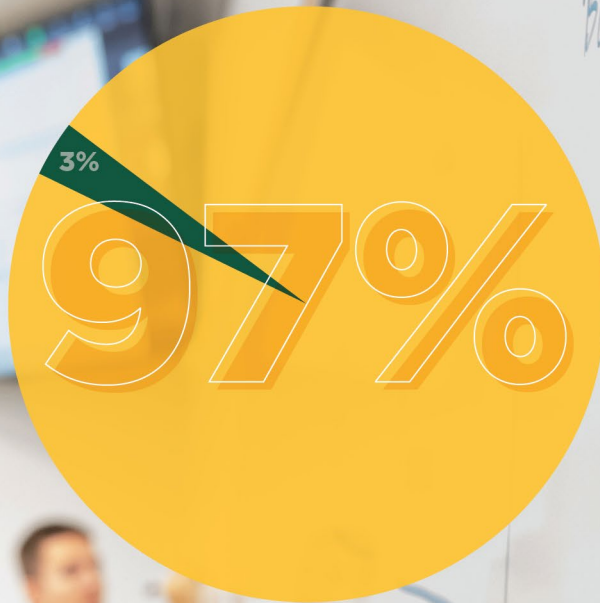
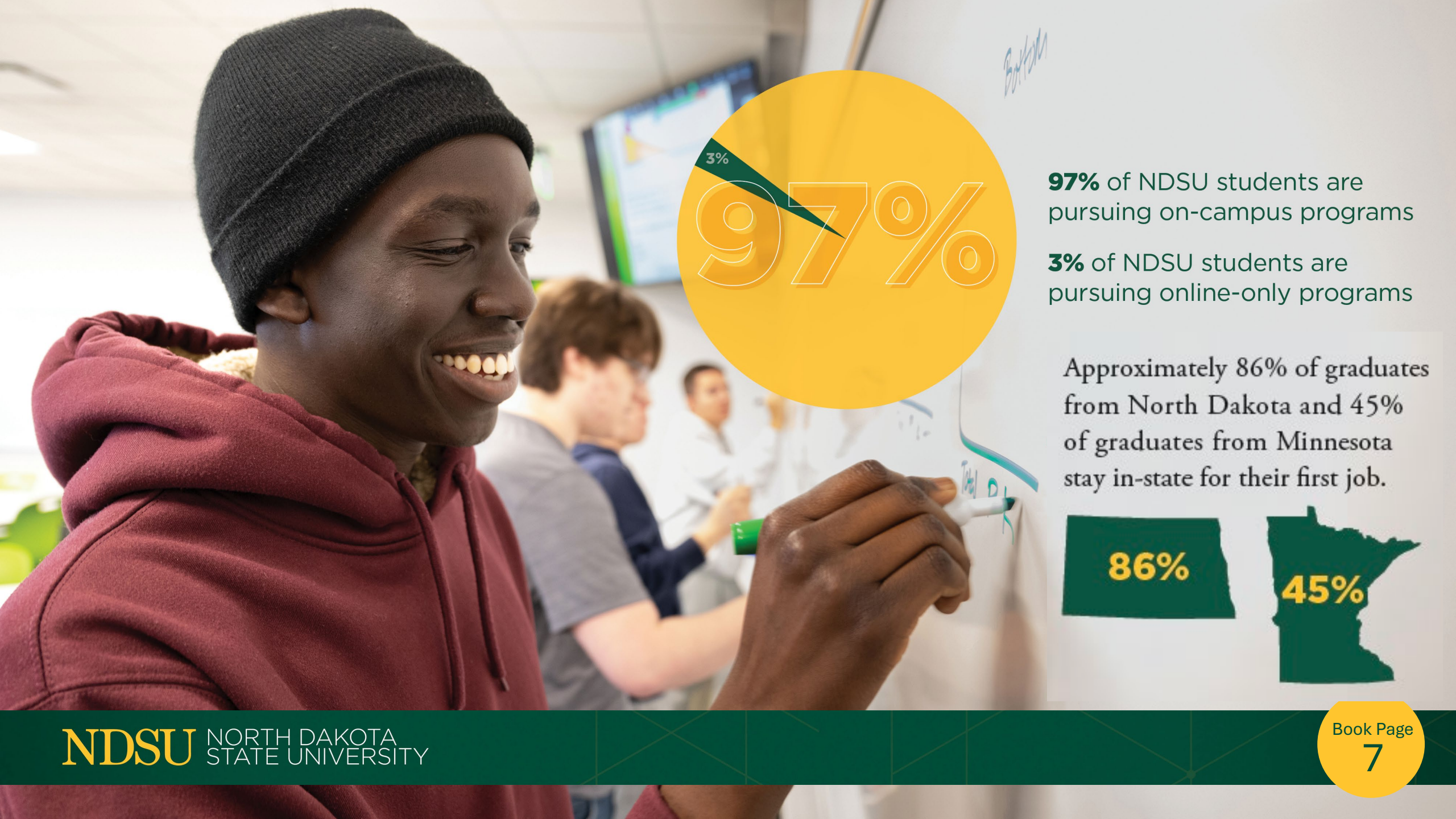
- Expanded program offerings; launching 21 high-demand programs, including 12 degree and 9 certificate programs
- Implementation of Learning Assistants
- Implementation of online tutoring
- Launching professional advising

## ROI

- Enrollment stabilization
- Increased retention to 78%
- Greater contribution to workforce

# Top Strengths

- >> Graduate largest number of bachelor's students
- >> 95% of graduates employed or continue their education
- >> 86% of ND students and 45% of MN students stay in state for first job
- >> Largest in-person student enrollment of any NDUS institution
- >> Largest nursing program in the state
- >> Only pharmacy and architecture programs in state
- >> Ranks in top 100 public research institutions in nation
- >> Students learn from world-class faculty, many listed among top 2% cited in the world
- >> Provide shared payroll and other financial services across 6 NDUS institutions



**97%** of NDSU students are pursuing on-campus programs

**3%** of NDSU students are pursuing online-only programs

Approximately 86% of graduates from North Dakota and 45% of graduates from Minnesota stay in-state for their first job.



# Top Strengths in Engineering and Precision Ag

## ENGINEERING

- >> Overall job placement rate of 92% with a median starting salary of \$70,000
- >> 64% of engineering and computer science graduates in ND received their degree from NDSU

## PRECISION AGRICULTURE

- >> One of only a handful of Bachelor of Science degrees in Precision Agriculture in the nation
- >> Agricultural and Biosystems Engineering Department was established in 1924



# Top Strengths in Health Professions

## **Nursing**

>> 60% of nursing jobs at Sanford-Bismarck and Fargo markets are filled by NDSU graduates

## **Pharmacy**

>> Estimated 95% of practicing pharmacists in the state are NDSU graduates

## **Allied Sciences**

>> Strong industry partnerships and high demand for graduates

## **Human Development Family Science**

>> Land-grant outreach focused on human development, geriatrics, and child development

## **Health, Nutrition, Exercise Science**

>> 100-year-old nutrition/dietetics program meeting employer needs throughout state

## **Public Health**

>> Well-known faculty expertise

## **Counseling**

>> Clinical Mental Health Counseling students delivered about 2,000 sessions to the community this past academic year

# FY24 AWARDS RECEIVED

**799**  
AWARDS RECEIVED

16%

**\$142.5M**  
TOTAL AWARD  
DOLLARS RECEIVED

55%

**\$114.5M**  
TOTAL FEDERAL AWARD  
DOLLARS RECEIVED

79%

145%

NSF  
36.1M

57%

USDA  
32.2M

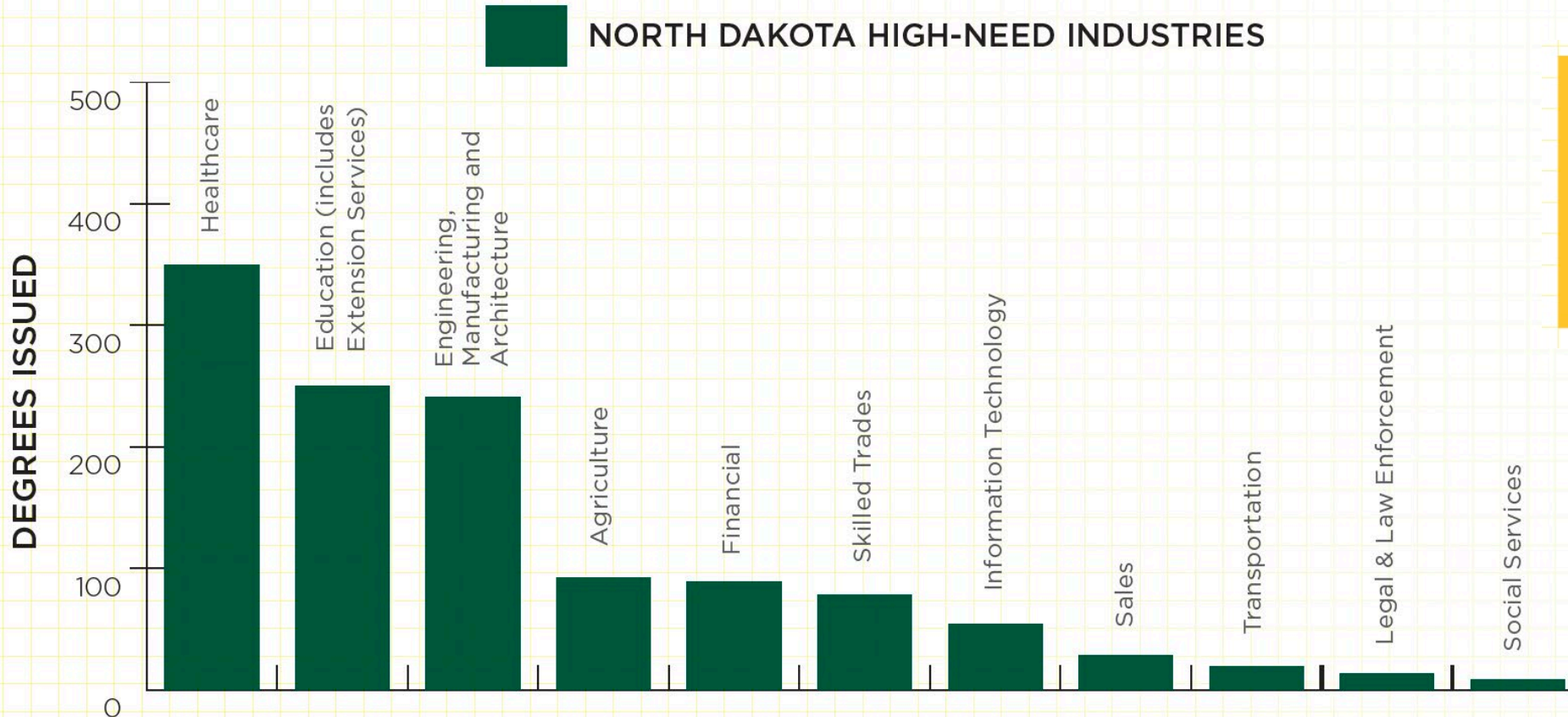
68%

DoD  
17.1M

15%

NIH  
8.7M

# 2024 Career Outcomes Highlights



Approximately 600 graduates received degrees in occupations aligned with other industries.

MORE THAN  
**1,000**  
NDSU GRADUATES  
STAYED IN N.D.

# NDSU TRANSFORM

REDUCTION > DISRUPTION > TRANSFORMATION > CONTINUOUS IMPROVEMENT

## ONGOING REDUCTIONS

- ~\$24M by end of FY27
- ~80 FTE by end of FY27 (including tenured faculty)
- 29 academic programs
- Restructured 7 colleges down to 5
- P&L budget model for accountability
- Strategic reduction of waivers

## DISRUPTION > > TRANSFORMATION

- Curriculum review with industry engagement focus
- 21 new academic programs aligned with workforce demands
- New Professional Advising model

## CONTINUOUS IMPROVEMENT

- Data-informed and outcomes-focused decision making
- Prioritizing industry collaborations and responding to market demands

# STRONG FINANCIAL RATINGS

**AA-**

S&P GLOBAL RATING  
(STABLE OUTLOOK)

**Aa3**

MOODY'S  
BOND RATING

**3.56**

COMPOSITE FINANCIAL  
INDEX (CFI)\* FY2023

NDSU is a collaborative partner, providing shared payroll and financial services to DSU, MaSU, NDSCS, MSU, DCB and WSC.

# Industry Partnerships

- New committee formed in 2023
- 21 industry and elected official committee members
- Discussions included:
  - Workforce/job opening needs and trends
  - Student and employee recruitment efforts
  - How NDSU can play a role in retraining existing workforce
  - Review curriculum offerings in alignment with employers needs

# Master Planning

>> 172,000 SF across 11 buildings being demolished

>> Reducing future deferred maintenance by ~\$30M

>> Reducing 6.5% of our academic footprint



**PELTIER PROJECT (LEGISLATION APPROVED IN 2021 SESSION) THE FOLLOWING ARE CURRENTLY BEING RAZED**

- HARRIS HALL
- LORD & BURNHAM GREENHOUSE (NORTH)
- NORTHERN CROPS INSTITUTE

**BOLLEY AGRICULTURAL LAB (LEGISLATION APPROVED IN 2023 SESSION) THE FOLLOWING WILL BE RAZED IN 2026/27**

- LORD & BURNHAM GREENHOUSE (SOUTH)
- WIIDAKAS LABORATORY
- POTATO RESEARCH

**AGRICULTURAL AND BIOSYSTEMS ENGINEERING, RAZED SPRING 2024**

**RICHARD OFFERDAHL ENGINEERING COMPLEX (LEGISLATION APPROVED IN 2023 SESSION) RAZE AS PART OF ENGINEERING PROJECT. WAS RAZED IN 2024**

- ENGINEERING ADMINISTRATION

**CONSOLIDATE VARIOUS FACILITIES MANAGEMENT PERSONNEL INTO WALDRON HALL AND RAZE THE FOLLOWING TENTATIVELY WINTER 2026/27.**

- RESIDENCE LIFE FACILITY
- BUTLER BUILDING
- LONGWELL BUILDING
- SOUTH WALDRON GREENHOUSE

# Lowest Taxpayer cost per FTE in ND

INSTITUTION	2023-25 Final Base Funding	Equity General Fund	Employer Retirement Increase General Fund	TOTAL	FTE Student Count (2022 Fall Enrollment Report)	State Support per Student per Semester  (Assumes Fall & Spring Semesters for 2 years) (SB2164) (2019)
BSC	36,354,055	996,414	31,441	37,381,910	2,466	3,790
DCB	11,130,278	304,074	8,526	11,442,878	550	5,201
LRSC	15,073,051	411,788	14,693	15,499,532	797	4,862
NDSCS	38,761,924	1,049,248	43,662	39,854,834	2,064	4,827
WSC	13,118,332	358,386	8,607	13,485,325	646	5,219
DSU	23,801,610	623,324	15,061	24,439,995	1,155	5,290
MASU	21,698,810	568,255	11,331	22,278,396	784	7,104
MISU	47,677,097	1,256,166	31,980	48,965,243	2,167	5,649
VCSU **	27,612,092	723,115	14,606	28,349,813	1,073	6,605
NDSU	154,844,139	4,250,375	97,772	159,192,286	10,701	3,719
UND	176,704,163	4,850,392	100,821	181,655,376	9,418	4,822
UND SMHS	70,189,742	1,926,476	38,691	72,154,909	1,342	15,431
UND SMHS-H	10,676,150			10,676,150		
TOTALS	647,641,445	17,318,013				

Chart prepared and provided by North Dakota University System.

# Legislative Budget Priorities

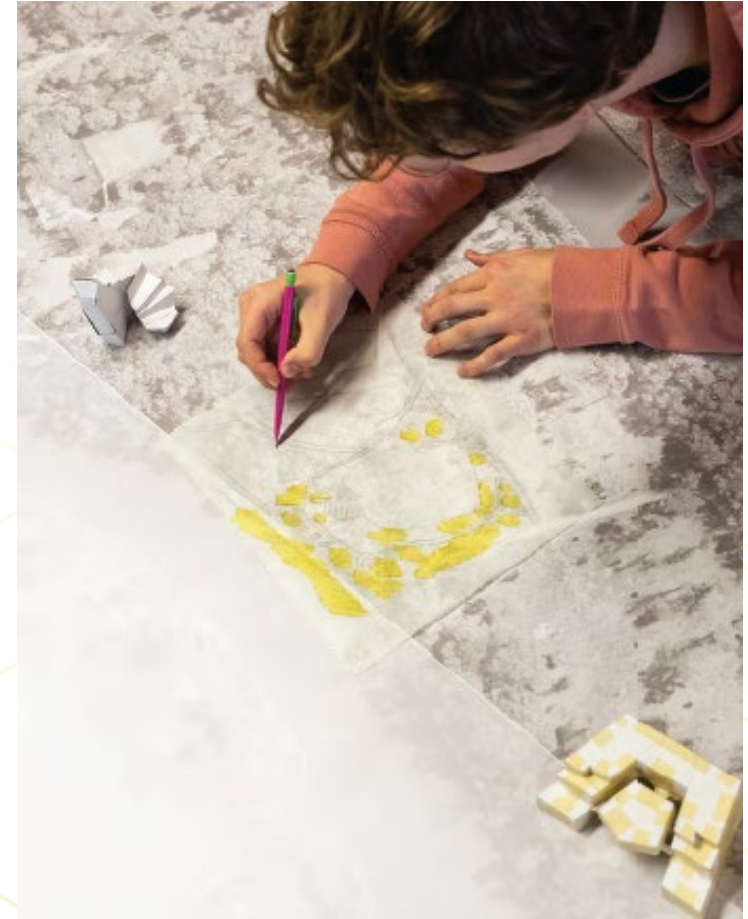
## NDSU Requests

### >> New Horizon: NDSU 2035

- Ensure successful pathways for workforce impact (\$5M)
- Grow ND's competitive edge – Engineering and Agriculture (\$15M)
- Improve ND's Quality of Life – Nursing, Pharmacy, and Health Sciences (\$15M)

### >> Authorization for Capital Projects using Special Funds

- Wrestling practice facility (\$13M)
- University Village (\$54M)
- Memorial Union renovation and addition (\$50M)
- Van Es biosafety lab (\$8M)

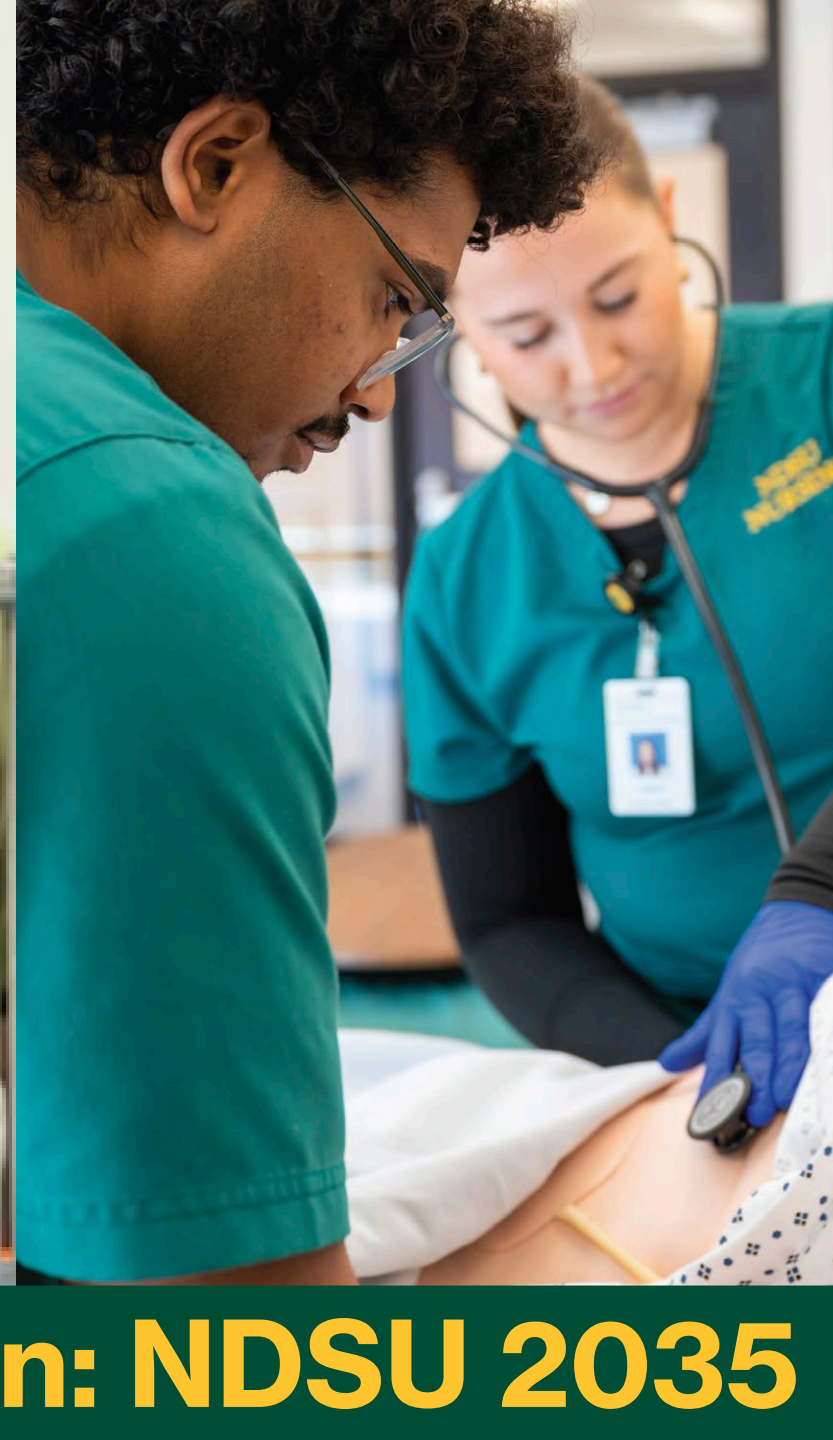


# Legislative Budget Priorities

## SBHE/North Dakota University System Requests

(Top priorities supported by NDSU)

- Higher education funding formula review
- Challenge Grant: \$50M for system
- Economic Diversification Research Funding: \$25M for system
- High-Performance Computing: \$4M each for NDSU and UND
- Compensation package
- Inflation factor increase: \$4,724,723
- NDPERS
- Envision 2035 plan
- AI and Machine Learning Support



**New Horizon: NDSU 2035**

# New Horizon: NDSU 2035

## Objectives

1. Ensure successful pathways for workforce impact, industry connection and affordability.
2. Grow ND's competitive edge through advancement of agriculture, engineering, energy, and manufacturing, leveraging our expertise in engineering, ag technology and robotics.
3. Improve ND's quality of life by expanding, modernizing and meeting workforce demands in nursing, pharmacy, clinical trials, and health science programs.

## Goals

1. Increase enrollment >> more graduates working in ND
2. Decrease time to degree >> lowering costs, lowering student debt
3. Prepare workforce ready graduates

## Strategic Tactics

- >> Reform curricula, informed by industry and ensure clear career progression pathways
- >> Establish year-round curricula to decrease time to degree
- >> Launch new apprenticeship and "Earn and Learn" models

# New Horizon: NDSU 2035

## Pathways for Workforce Impact

**1. Ensure successful pathways for workforce impact, industry connection and affordability. (\$5M)**

### Strategic Initiatives

- >> Expand professional advising for all students
- >> Enhance career coaching with industry connections
- >> Launch robust internships
- >> Recruit students to degrees that match high-demand workforce needs
- >> Continue building robust, industry-connected learning experiences, such as Bison to the Bakken

# NEXT LET'S HEAR FROM

**Alan Kallmeyer,  
Interim Dean of NDSU  
College of Engineering**



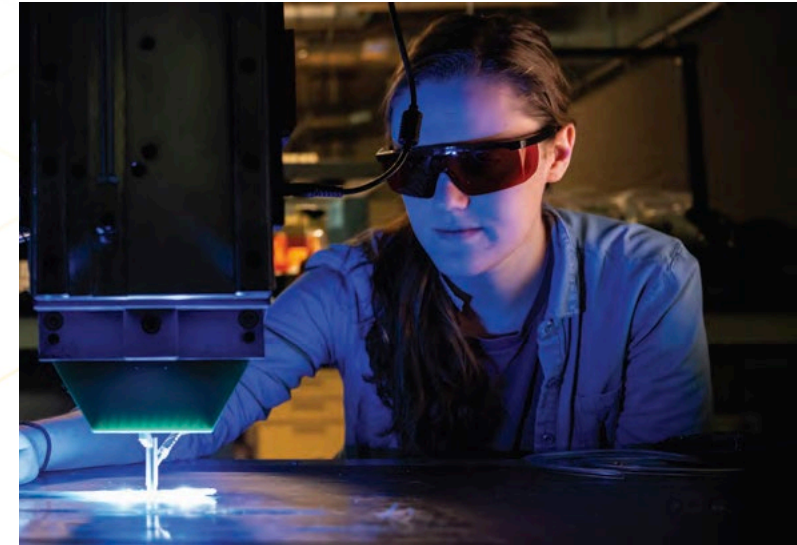
# New Horizon: NDSU 2035

## Grow North Dakota's Competitive Edge – Engineering and Agriculture

**2. Grow ND's competitive edge through advancement of agriculture, engineering, energy and manufacturing, leveraging our expertise in engineering, ag technology, and robotics. (\$15M)**

### **New high-demand degrees and outreach capabilities such as:**

- >> Bachelor of Science in Robotics and Automation
- >> Bachelor of Science in Material Science and Engineering
- >> Bachelor of Science in Agriculture Technology
- >> Energy Engineering certificates, including certificate in Nuclear Engineering
- >> AI and Machine Learning certificates
- >> Outreach Engineers
- >> K-12 STEM Outreach Coordinator
- >> Faculty-Industry Exchange Program
- >> 2+2 Pathways
- >> Industry-Faculty In-Residence



# New Horizon: NDSU 2035

## Grow North Dakota's Competitive Edge – Engineering and Agriculture

### WORKFORCE IMPACT

» Bachelor of Science in Robotics and Automation  
468 job postings in ND

» Bachelor of Science in Material Science and Engineering  
33 job postings in ND

» Bachelor of Science in Agriculture Technology  
269 job postings in ND

» Energy Engineering certificates, including certificate in Nuclear Engineering

Ensure expertise in the generation, conversion, transmission, storage and use of energy, energy efficiency, and next generation nuclear reactor technology

» AI and Machine Learning certificates  
Prepare grads to be AI literate entering workforce

» Outreach Engineers  
Industry support and educational programming across the state

» K-12 STEM Outreach Coordinator  
Grow STEM enrollments and graduates

» Faculty-Industry Exchange Program  
Industry-informed curricular improvements, allows industry practitioners to teach at NDSU and faculty to intern at companies

» 2+2 Pathways  
Partnerships with 2-year schools to develop pathways to earn engineering degrees, 2,607 job postings in engineering in ND

» Industry-Faculty In-Residence

# NEXT LET'S HEAR FROM

**Teresa Conner,  
Dean of NDSU  
College of Health and  
Human Sciences**



# New Horizon: NDSU 2035

## Improve North Dakota's Quality of Life - Nursing, Pharmacy, and Health Sciences

**3. Improve ND's quality of life by expanding, modernizing and meeting workforce demands in health-related fields. (\$15M)**

**New high-demand degrees and outreach capabilities such as:**

- >> Bachelor of Science in Nursing expansion
- >> Doctor of Nurse Practitioner certificates (Acute Care, Mental Health)
- >> Doctor of Nurse Anesthesia Practice
- >> Master of Healthcare Administration and Informatics
- >> Master of Science in Clinical Trials Management and Regulatory Affairs
- >> Bachelor of Science in the following allied health areas: Respiratory Care, Radiologic Science, and Medical Lab Science
- >> Doctor of Physical Therapy with Sports Medicine residency
- >> Master of Science in Occupational Therapy
- >> Clinical Outreach and Bioskills Center
- >> K-12 Outreach Coordinator and Family Life Specialist



# New Horizon: NDSU 2035

## Improve North Dakota's Quality of Life - Nursing, Pharmacy, and Health Sciences

### WORKFORCE IMPACT

» Bachelor of Science in Nursing expansion

#1 in job openings in ND, with 9,169 job postings

» Doctor of Nurse Practitioner certificates (Acute Care, Mental Health)

578 job postings in ND

» Doctor of Nurse Anesthesia Practice

68 job postings in ND

» Master of Healthcare Administration and Informatics

915 job postings in ND

» Master of Science in Clinical Trials Management and Regulatory Affairs

Supports an evolving economy in ND, draws on existing faculty expertise

» Bachelor of Science in the following: Respiratory Care, Radiologic Science, and Medical Lab Science  
609 respiratory care job postings, 745 radiologic job postings, 538 clinical lab job postings in ND

» Doctor of Physical Therapy with Sports Medicine residency  
977 job postings in ND

» Master of Science in Occupational Therapy  
470 job postings in ND

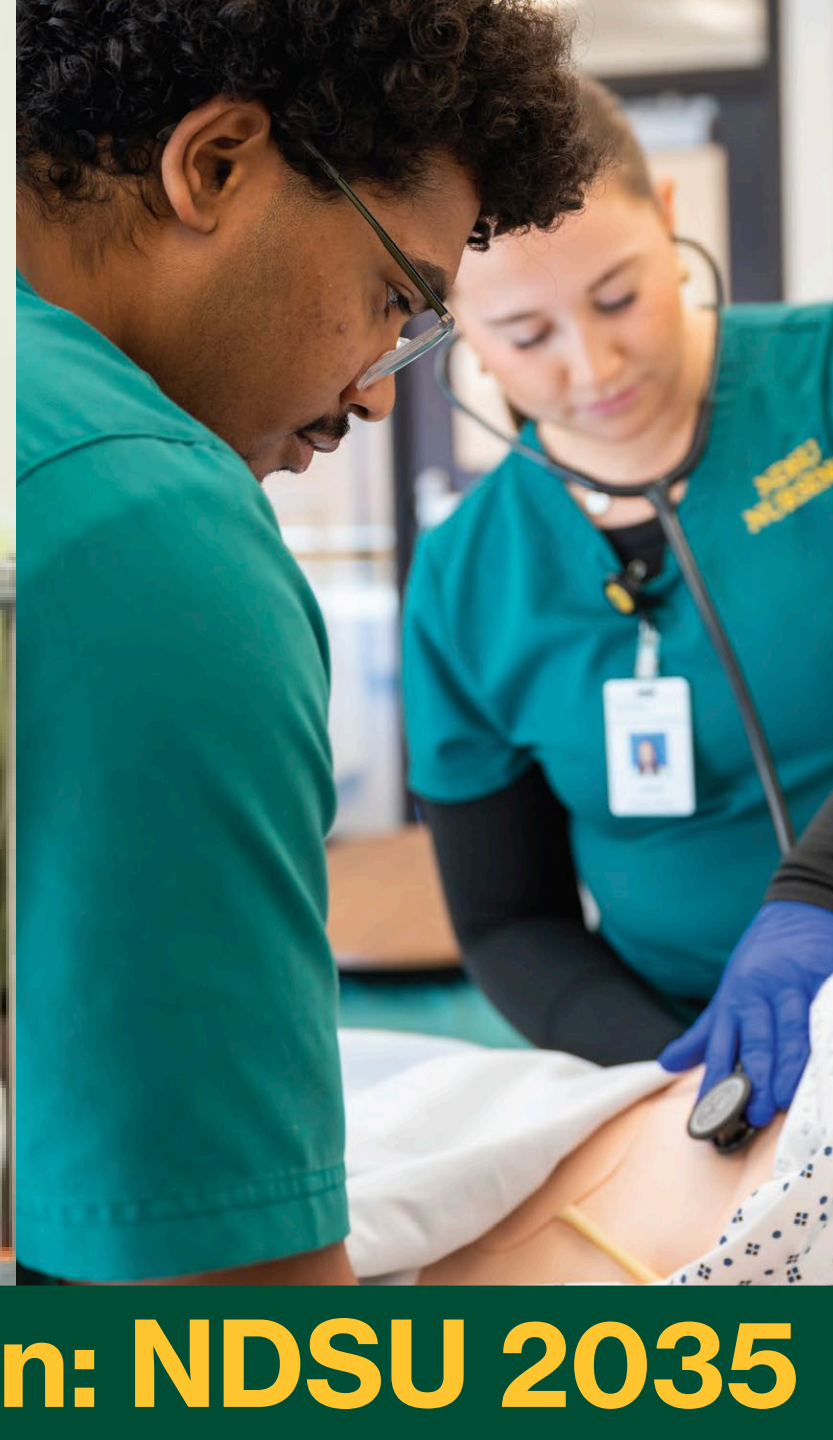
» Clinical Outreach and Bioskills Center  
Lab to support pharmacy, nursing, new programs, and equipment for virtual/rural education

» K-12 Outreach Coordinator and Family Life Specialist  
Grow enrollments and graduates in health-related fields

# NEXT LET'S HEAR FROM

**Alyssa Hodges,  
NDSU Pharmacy Candidate  
MPH Alum**





**New Horizon: NDSU 2035**

# Authorization for Capital Projects using Special Funds

- >> **Practice Wrestling Facility** (\$13M in special funds)
- >> **University Village-Phase II** (\$54M in special funds)
- >> **Memorial Union Partial Renovation and Addition** (\$50M in special funds)
- >> **Van Ex Biosafety Level 3 Laboratory** (\$8M in special funds)

# 2025-27 Challenge Grant Funding

**NDUS is requesting \$50M. NDSU strongly supports this request.**

## **>> Successful Program**

Since the Challenge Grant began in 2013, more than 625 individual and corporate benefactors have taken advantage of the matching funds, investing nearly \$50.5 million.

## **>> Recruit and Retain Talent**

Funding will be used for recruitment and retention scholarships to boost enrollment. \$3 million would produce 120 new \$1,000 scholarships for students every year into perpetuity.

## **>> Strong Donor Support**

We have a long line of potential supporters waiting to make a difference for students.

# 2025-27 Economic Diversification Research Funding

**NDUS is requesting \$25M. NDSU strongly supports this request.**

## **>> Funding produces...**

- Collaborative interdisciplinary research to address complex problems in ND
- Expertise to support the innovation cycle
- Entrepreneurship and translation of academic research into real-world applications
- Student learning opportunities, engaging with industry partners
- Collaborations with other NDUS institutions

## **>> ROI**

- Increased partnerships, increased student learning experiences leading to enhanced workforce opportunities for North Dakota businesses
- Advancements leading to meaningful impact on North Dakotan's well-being and prosperity

# Research Computing

**NDUS is requesting \$4M each for NDSU and UND. NDSU strongly supports this request.**

## >> Key Facts

- User community has increased 3.2 times since FY20
- Trained 600 people across institutions and provided 40 student internships
- Supports diverse research and education from engineering to business

## >> ROI

- Economic growth, retaining top-tier researchers and students
- Statewide benefits, with service to all NDUS institutions and tribal colleges in ND
- Research excellence, enabling the world's top 2% of scientists to conduct high-impact research
- Innovation in critical areas, expanding support staff and upgrading equipment

# Senate Approved Budget

SENATE APPROVED BUDGET FOR NDSU	Ongoing	One-time Funding	Authority
Target Equity and Ret. Increase (23-25 continuation) .....	\$4,348,147		
Increase of the Pharmacy Formula from 9 to 25 .....	\$13,554,402		
Replace the Averaging loss to NDSU from 23-25 .....	\$2,468,181		
Increasing the base rate by 4% (salary increases, health insurance, etc.) ....	\$6,578,282		
Adds \$2M for high-performance computing (split NDSU/UND) .....	\$1,000,000		
Adds one-time funding to support New Horizons .....		\$12,000,000	
Adds \$2.5M to the EDRF for an NDUS total of \$8M.....		\$3,600,000	
Adds \$5M to the Challenge Grant for a NDUS total of \$25M .....		\$6,125,000	
Adds \$7.5M to Tier II Capital Building Funds for NDUS total of \$16.5M.....		\$3,750,000	
Authority for NDSU Memorial Union.....			\$50,000,000
Authority for Village Apartments .....			\$54,000,000
Authority for Wrestling Facility .....			\$13,000,000
Authority for Van Es Lab Grant (allows the use of Tier II).....			\$8,000,000
<b>Total Funding for NDSU.....</b>	<b>\$27,949,012.....</b>	<b>\$25,475,000 .....</b>	<b>\$125,000,000</b>

# Pharmacy Program Weighting Cost Factor

**Increase the student credit hour (SCH) weighting cost factor from 9 to 25.**

- >> Program Costs**
- >> Comparative Funding**
- >> Critical Role in Healthcare Workforce**
- >> Community Impact**



# THANK YOU

**NDSU** NORTH DAKOTA  
STATE UNIVERSITY