

# NDSU Overview

- I. 9 NDSU “Did You Know?” Facts
- II. Enrollment, Retention and Graduation Trends
- III. Research and Rankings
- IV. Economic Impact:
  - How We’re Funded
  - What We Return on that Investment



## 10 NDSU “DID YOU KNOW?” FACTS:

- NDSU is North Dakota’s top-ranked research university

- first and only ND institution in Carnegie Commission’s elite category of “very high research”

- that equates to the top 2 percent of all public and private universities in the nation!

- The NSF ranks NDSU as the most productive research university in North Dakota
  - ...in fact, in its *five state* area!
- Standard & Poor's Rating Services credit rating upgrade from "A+" to "AA-"
  - the highest S&P rating of any North Dakota college or university

- New NDSU “Center for Life Sciences Research and Applications”, with focus across life sciences (from agriculture to animal/plant sciences to biomedical)
  - conducting research with private partners, such as Sanford Research and the RJ Lee Group, Inc.

- Music department realigned into the School of Music
  - one of only 49 schools in the nation offering programs up to the doctoral level
- Commodities Trading Room: “real life” training in marketing, logistics, trading and risk management
  - *completely* funded by major agribusiness firms, the Richard Barry Foundation and a number of state commodity organizations



- Center for Computationally Assisted Science & Technology (CCAST)

- ND's largest super-computing facility

- utilized by industry, government and academic leaders in clean energy technologies, smart-grid transmission systems, increased energy production, genomics and bioinformatics research

- Third national (back-to-back-to-back) NCAA Division-I FCS football championship
  - all games televised, three on a nation-wide basis
  - past four years ranked in top ten nationally for “Capital One Cup” (overall best men’s’ D-I programs in nation)
    - tied for 1<sup>st</sup> place w/ Florida State and Notre Dame

- If NDSU was a ND business or city...
  - with over 6,000 employees and 15,000 students, NDSU would be the 6<sup>th</sup> most populated city
  - in terms of employees and annual operating budget, NDSU would be one of the largest businesses in the state
  - with over 22,000 acres, NDSU would physically be the 2<sup>nd</sup> or 3<sup>rd</sup> largest city

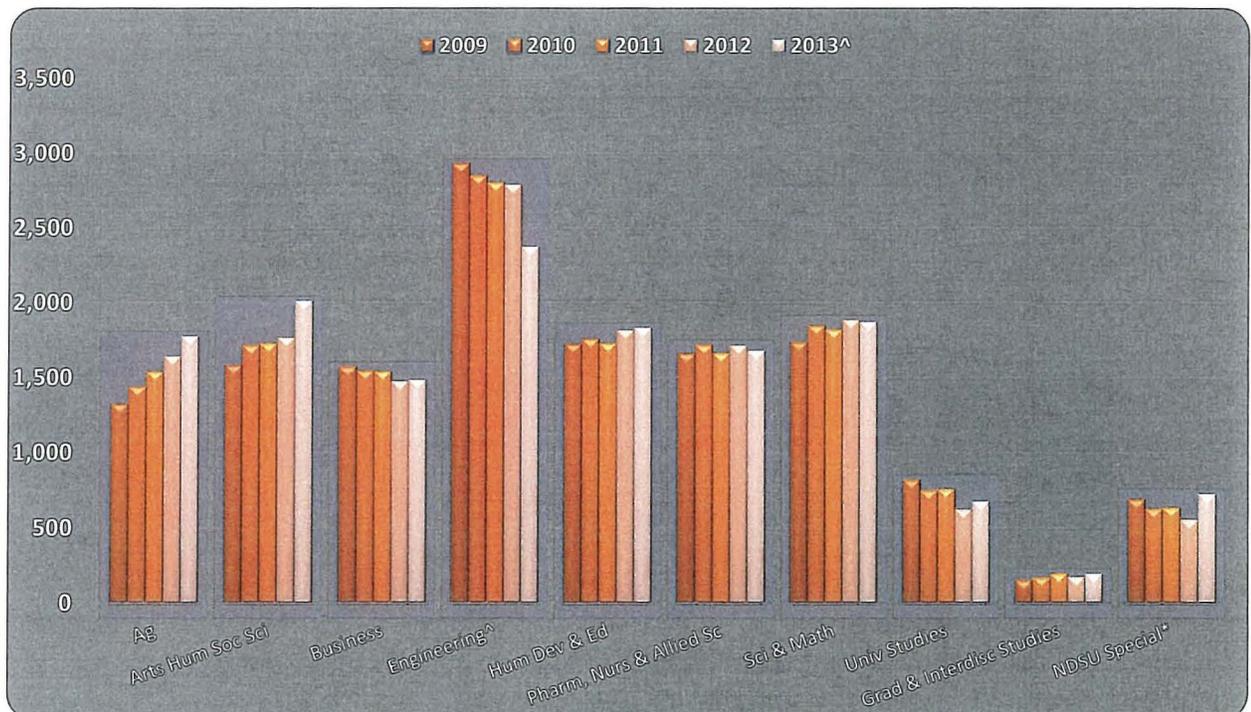
## FALL 2013 ENROLLMENT, RETENTION AND GRADUATION TRENDS

- Largest full-time, face-to-face enrollment student body in the state
  - reflects strategic direction focused on traditional, full-time students oriented to a rigorous research university environment
- Fall 2013 enrollment highest in university history:
  - 12<sup>th</sup> record year of fall enrollment
  - freshman class is largest in state and second largest in NDSU history
    - up 4.6 % from fall 2012

## NORTH DAKOTA STATE UNIVERSITY

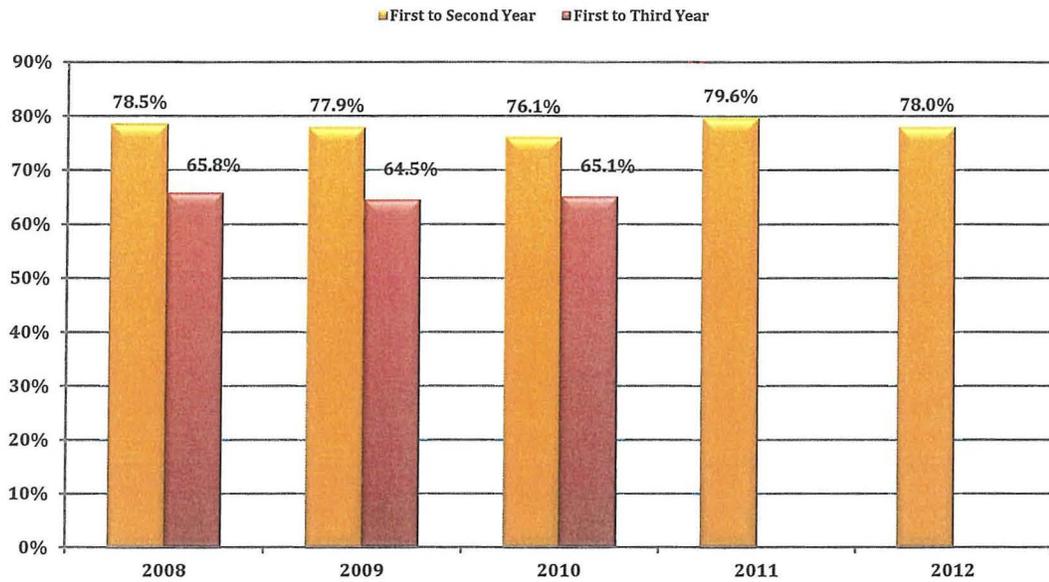
- And a record number of graduate students also enrolled (2,335)
  - up more than 10% from fall 2012
- *But at the same time:*
  - 80% of classes have <40 students
  - faculty to student ratio = 18:1
  - average ACT of incoming class = 23.74

## ENROLLMENT BY COLLEGE

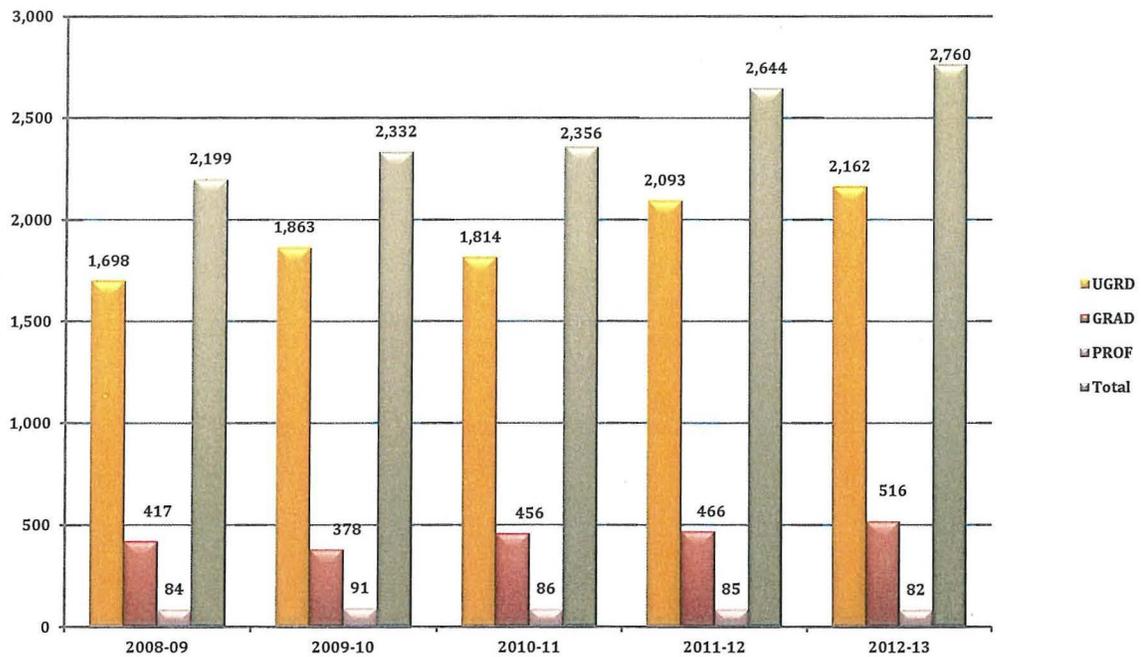


# NORTH DAKOTA STATE UNIVERSITY

## RETENTION RATES

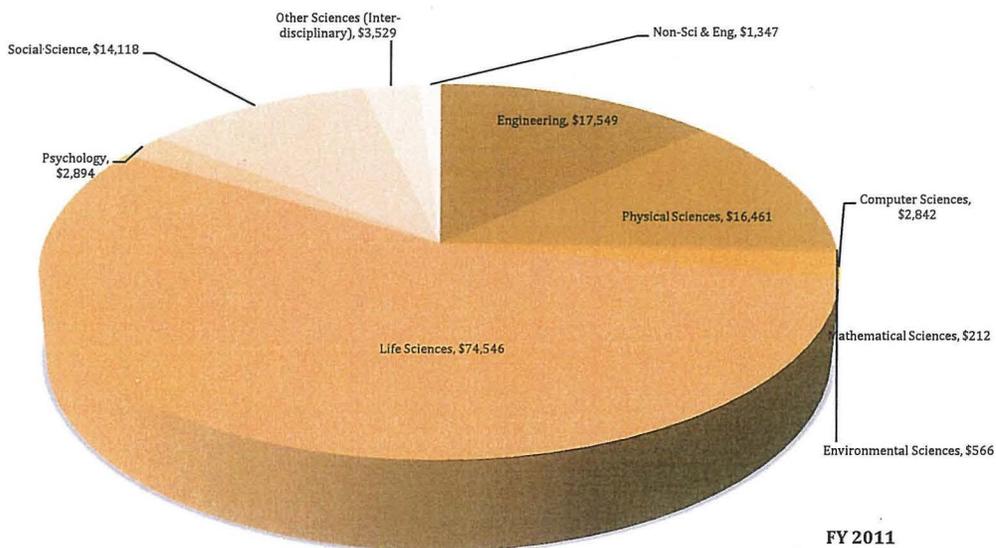
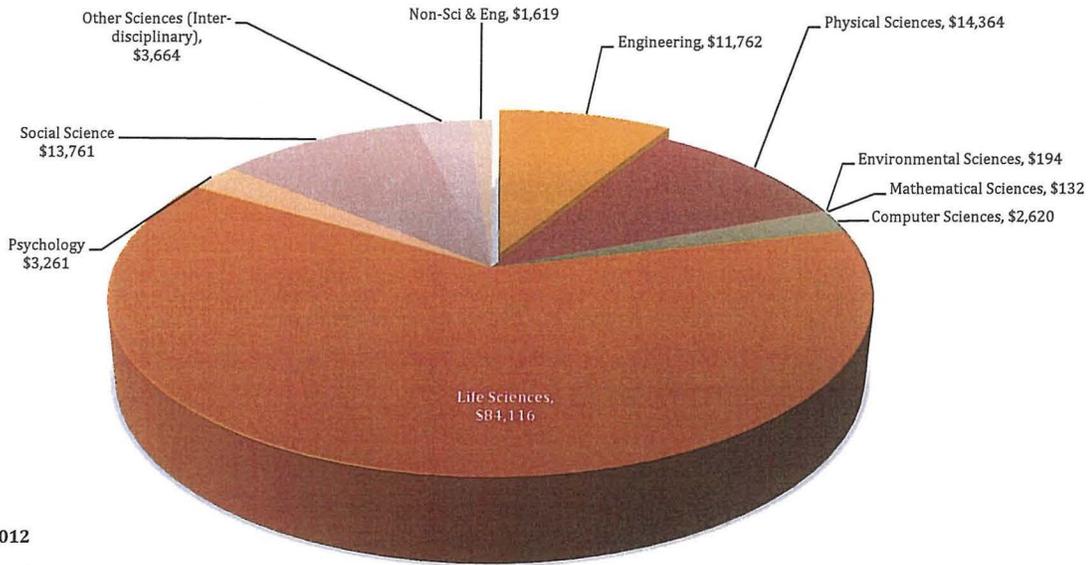


## GRADUATION NUMBERS



# NORTH DAKOTA STATE UNIVERSITY

## RESEARCH

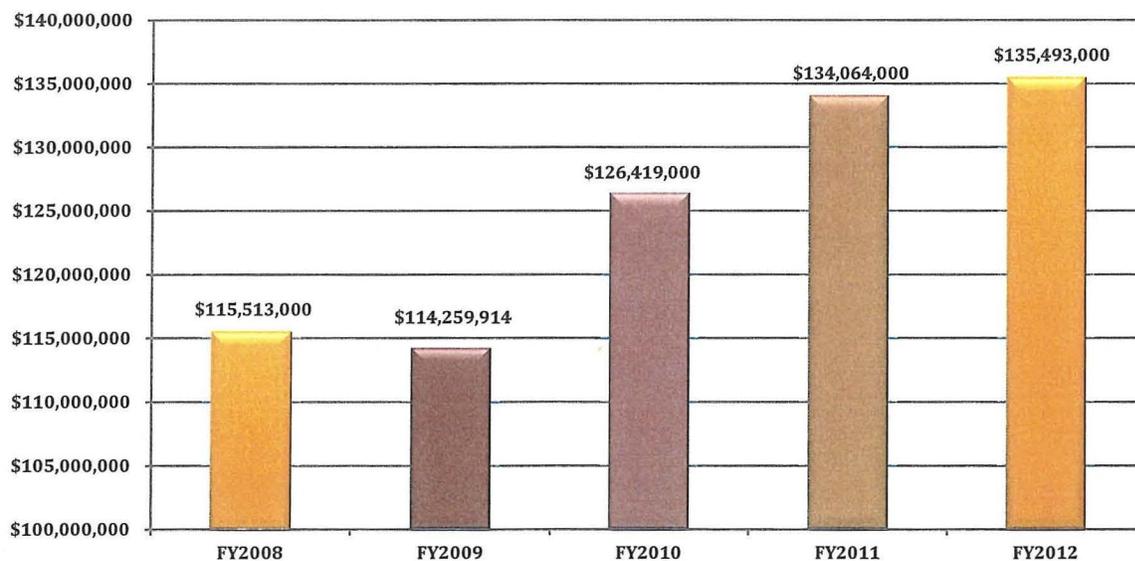


# NORTH DAKOTA STATE UNIVERSITY

NSF Survey of Research & Development Expenditures Summary: FY 2008 – FY 2012

NDSU leads a five-state region in the NSF's survey of R&D expenditures, annual licensing and royalty revenues from research discoveries (a record breaking \$2 million last year), and, when comparing doctoral-granting institutions within its five-state region, major science and engineering fields of study

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## NDSU RESEARCH RANKINGS – A NATIONAL SNAPSHOT

### National Science Foundation Fiscal Year 2012 Research & Development Statistics

North Dakota State University ranks 128<sup>th</sup> out of 655 research universities in the U.S. The ranking is based on total research expenditures reported in fiscal year 2012, according to a National Science Foundation survey. NDSU's total research expenditures were \$135.5 million for fiscal year 2012, the most recent year available in the national survey.

When ranked by *non-medical* R&D expenditures among 655 research universities, NDSU ranks 94<sup>th</sup> among the universities and colleges in the National Science Foundation survey for FY 2012, the latest year for which national survey statistics are available.

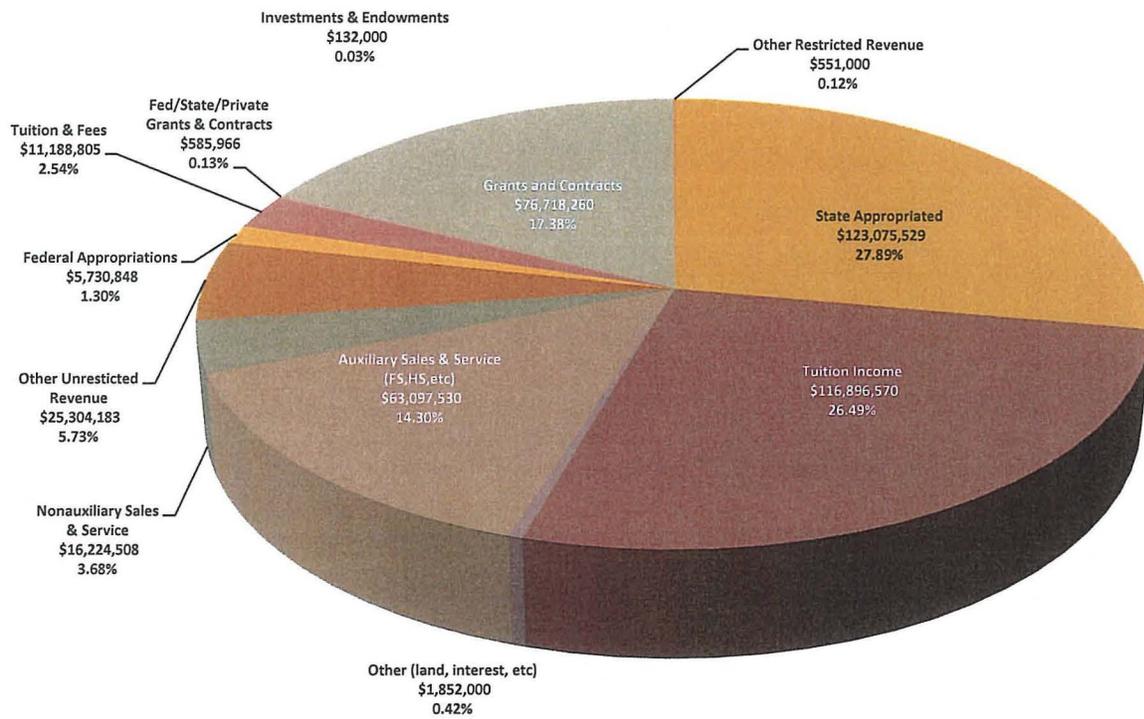
Based on research expenditures, NDSU is listed in the *top 100* research universities in the country in several National Science Foundation research categories for 2012:

FIELD	NDSU'S RANK	RANK IN
Agricultural Sciences	15 <sup>th</sup>	Total research expenditures
Social Sciences	42 <sup>nd</sup>	Total research expenditures
Physical Sciences*	82 <sup>nd</sup>	Total research expenditures
Chemistry	88 <sup>th</sup>	Total research expenditures
Psychology	96 <sup>th</sup>	400 universities & colleges in category
Life Sciences	107 <sup>th</sup>	600 universities & colleges in category

\* Physical sciences includes astronomy, chemistry, physics, and other physical sciences not elsewhere classified

# NORTH DAKOTA STATE UNIVERSITY

## NDSU 2013-2014 ANNUAL BUDGET:

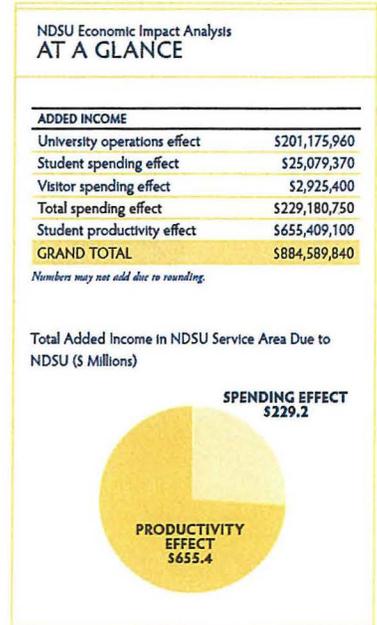


The activities of all NDSU entities are combined in this graph, including the Agriculture Experiment Station and other similar

# NDSU ECONOMIC IMPACT

## Economic Analysis Summary:

- Altogether, the average annual added income due to the activities of NDSU and its former students equals **\$884.6 million**. This is approximately equivalent to 1.9% of the regional economy.



North Dakota State University  
SERVICE AREA



## Investment Analysis

### NDSU Student Perspective

On Average, bachelor's degree graduate vs. high school diploma graduate:

- **\$28,200** more earned annually over course of working lifetime (undiscounted)
- Average income at career midpoint is **\$58,200** in NDSU Service area - **94%** more for NDSU graduate
- Discounted lifetime income increases by **\$5.23** for every dollar invested
- **14.4%** rate of return on educational investment; all costs recovered (including tuition, fees, foregone wages) in 10.6 years

## North Dakota Social Perspective

- **\$83.6 million** annual expanded tax base with higher earnings of NDSU students and associated increased state income
- **\$17 million** in annual social costs avoided due to NDSU students, including savings associate with improved health, reduced crime and reduced welfare and unemployment

## North Dakota Taxpayer Perspective

- State government allocated ~ \$126.5 million in support of NDSU in FY 2010-11
  - Taxpayers see a 7:1 overall return on investment on general fund support of NDSU
  - Taxpayers see **\$1.03** cumulative return over course of students' working careers for every dollar of this support (in form of higher tax receipts and avoided costs)
  - local governments: **3.1%** rate of return on support of NDSU; compares favorably with private sector ROI on similar long-term investments

# The Reach of NDSU...Is State-Wide

**KEY**

- County Extension Offices
- N.D. Agricultural Experiment Stations
- Area Extension Specialists
- State Extension Specialists
- Telepharmacy - Retail
- Telepharmacy - Hospital

