

NDSU

North Dakota State University Bulletin 2004-2006

President's message

North Dakota State University is in an exciting time of transformation, emerging as a model of the contemporary land-grant institution. By emphasizing quality education, outstanding service, and leading-edge research, NDSU is a leader among our peers.



One of our campus themes is "Students are Paramount." It is a phrase that NDSU faculty, staff, alumni, and friends put into action every day. At this university, students are prepared for both life and career through exceptional classroom studies, research opportunities, cultural activities, and social events. Our students work hard, but the challenges of an education at NDSU reap many rewards.

The campus is becoming an institution of choice. NDSU's enrollment stands at about 12,000 students in our undergraduate and graduate programs. We expect our research expenditures to pass \$100 million by 2005. NDSU's new doctoral programs have given us the graduate program mix of a national land-grant university. And we have joined the ranks of NCAA Division I athletics.

Our visitors marvel at the sense of enthusiasm that they see on the NDSU campus. It's clear to me that people from around the country are looking at our state and our university in a different and very positive way.

NDSU's mission statement says much about who we are. It reads: "With energy and momentum, North Dakota State University addresses the needs and aspirations of people in a changing world by building on our land-grant foundation."

I urge you to use this bulletin — join us as the university moves to the next level. I believe that many more successes await us.

Joseph A. Chapman
President

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University Telephone Numbers

	Area Code 701
Admission	231-8643
Business Office	231-7320
Counseling and Disability Services	231-7671
International Programs	231-7895
Multicultural Student Services	231-1029
Orientation and Student Success	231-8379
Registration and Records	231-7981
Residence Life (Housing)	231-7557
Student Affairs	231-7701
Student Financial Services	231-7533
University Switchboard	231-8011

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Disclaimer

The State Board of Higher Education requires that the following announcement be published in all catalogs and bulletins of information issued by the state educational institutions of North Dakota: "Catalogs and bulletins of educational institutions are usually prepared by faculty committees or administrative officers for the purpose of furnishing prospective students and other interested persons with information about the institutions that issue the same. Announcements contained in such printed materials are subject to change without notice, and may not be regarded in the nature of binding obligations on the institutions and the State. In times of changing conditions, it is especially necessary to have this definitely understood."

NDSU Overview

Mission

With energy and momentum, North Dakota State University addresses the needs and aspirations of people in a changing world by building on our land-grant foundation.

Vision

We envision a vibrant university that will be globally identified as a contemporary metropolitan land-grant institution.

Core Values

NDSU is guided by the following key values and principles:

Land-grant

We reflect and serve geographically and culturally diverse populations.

We share institutional success across the university.

We anticipate and welcome growth and service that will occur in ways yet to be conceived.

We embrace our unique complexities as a land-grant university on the Northern Great Plains.

We remain committed to serving people globally.

People

We derive strength and vitality from each other and from the diverse communities we serve.

We care about the current and future welfare of our students, staff, and faculty.

We promote excellence through individuals participating in decisions and value cooperation for the common good.

Scholarship

We are an engaged university and acknowledge and pursue scholarship of all forms, including discovery, teaching, integration, and application.

We uphold the rights and responsibilities of academic freedom.

Teaching and Learning

We provide a superior teaching and learning environment within and outside of the traditional classroom.

We promote and value liberal, graduate, and professional education in a collegial environment where divergent ideas can be shared.

We foster an environment that promotes life-long learning with individually-defined goals.

Ethics

We maintain our integrity through principled action and ethical decision-making.

Culture

We will be the land-grant university that we want to be by welcoming and respecting differences in people and ideas.

We support the goals of the North Dakota University System and value collaboration with colleges and universities around the world.

We foster accessibility to our programs and services.

Accountability

We have a special relationship with, and are accountable to, the people of North Dakota.

We actively strive to contribute to our region's economic prosperity and to improve the quality of life.

Campus Themes

It's About People

At NDSU, student learning is facilitated by faculty and staff guidance. Increased investments in people are critical to attracting and retaining quality faculty and staff, thereby increasing NDSU's educational standards. As part of this increased investment, faculty and staff salaries will be increased to the mid-range of professional peers. NDSU can continue its progress toward being at the midpoint of our peer institutions by being creative in funding its salary pools. Sources of new money will be invested in people through graduate and undergraduate enrollment growth and growth in research activities.

Students are Paramount

NDSU will increase student enrollment to 12,000 students, including increasing graduate student enrollment to 15 percent of total student enrollment. While NDSU exists to serve multiple stakeholders, service to students is paramount. This is accomplished by providing a superior learning environment in and out of the classroom.

Leveraging Support

NDSU, as described in the report of The Roundtable for the North Dakota Legislative Council Interim Committee on Higher Education, will take increasing responsibility for securing the financial resources needed to provide service and education for the people of North Dakota. NDSU plans to accomplish this by leveraging its resources through strategic partnerships with North Dakota, national and global businesses.

Programs

NDSU is an investment by the people of North Dakota in individual and collective economic well being and quality of life. For this reason, the university will aggressively engage in statewide collaborative efforts with North Dakota businesses and with member institutions of the North Dakota University System.

NDSU will use emerging technologies to expand capabilities to meet student demand in the university's traditional areas of focus including agriculture, engineering, applied sciences and extension, as well as expansion into new academic areas and professional fields.

NDSU will emphasize increasing the university's international focus to enhance North Dakota's competitiveness in the global economy.

Stature

NDSU should advance to the level of Doctoral and Research University-Extensive in the new Carnegie classification system. To reach the Extensive classification will require the graduation of 50 or more doctorates in at least 15 academic disciplines per year.

NDSU will build public support for its mission and higher education by increasing public awareness of the many services the university provides.

NDSU in Perspective

A Bit of History

North Dakota had been a state less than a year when Gov. John Miller signed a bill on March 8, 1890, designating a square mile of land adjoining Fargo as the site of the new campus and demonstration farm under the name North Dakota Agricultural College and Agricultural Experiment Station.

With President Horace E. Stockbridge and five faculty members, the university opened for its first collegiate year on Sept. 8, 1891. A total of 30 students were listed in the 1891 Prospectus as being "matriculated in the Special Course."

Through its proud history, the campus has gained a strong reputation for quality in education, research and service. An engaged university and a leader among its peers, NDSU is emerging as a model of the contemporary metropolitan land-grant university.

The Land-Grant Heritage

Honoring the commitment of the Morrill Act of 1862, the land-grant universities were established to provide studies that were a blend of technical and academic subjects. Known as a "people's college," NDSU was part of the bold experiment to provide access to a college education for the common person.

NDSU, the state's first land-grant institution, is well positioned to prepare graduates for the global marketplace and technologically oriented economy. Through a statewide network of centers and electronic technology, NDSU provides a growing capability for delivering education, cultural activities and information to schools and homes throughout North Dakota. NDSU is a publicly supported comprehensive land-grant institution, with a strong agriculture and applied science tradition.

NDSU Today

NDSU is in an exciting time of transformation, with a growing number of faculty in the classroom, expanded choices in academic majors, new and better teaching facilities, and improved living arrangements. Through this commitment to students, NDSU is becoming an institution of choice.

The university's strategic vision calls for advancing to the Doctoral/Research-Extensive classification, the uppermost category of the Carnegie Foundation. The vision also focuses on achieving a national and global reputation, growing enrollment to 12,000 students by 2006, adjusting salaries to the mid-range of peer institutions, developing more business and industry partnerships, and increasing philanthropy.

NDSU is moving forward in all areas because of the energy and dedication of faculty, staff, students, alumni and friends. NDSU's enrollment is at a record level for undergraduate and graduate programs, research funding is expected to pass \$100 million by 2005 and new doctoral programs have given NDSU the graduate program mix of a national land-grant university.

Accreditation

NDSU is accredited as an institution by the North Central Association of Colleges and Secondary Schools. Inquiries may be directed to the North Central Association of Colleges and Schools Commission on Institutions of Higher Education, 30 North LaSalle St., suite 2400, Chicago, IL 60602-2504. In addition, many programs are accredited or approved by their respective professional organizations and agencies. Program accreditation or approval is listed in the college sections of this bulletin.

The Faculty

NDSU has more than 500 resident faculty members. Because of the nature of a land-grant university, many faculty hold joint appointments with affiliated research organizations on the campus.

Divisions

Division of Academic Affairs

The Provost and Vice President for Academic Affairs responsibilities include academic resources and budget, professional faculty matters, academic computing, and the university's curriculum of instruction.

Division of Agriculture, Food Systems, and Natural Resources

NDSU Agriculture is an education, research, and outreach partnership consisting of the NDSU College of Agriculture, Food Systems, and Natural Resources; North Dakota Agricultural Experiment Station; NDSU Extension Service; NDSU Research and Extension Centers; and the Northern Crops Institute. Its mission is to foster North Dakota communities as vital economic and social units through the formation of partnerships that educate the public in agriculture, life, and environmental disciplines; provide creative, cost-effective solutions to current problems; and pursue all relevant fundamental research.

Division of Business and Finance

The Business and Finance operations provide the administrative leadership, planning, and management for university financial affairs, human resources, purchasing, physical plant, and auxiliary services. Business and Finance is committed to creating an environment that provides high-quality support for the instruction, research, and outreach functions of the university.

Division of Research, Creative Activities and Technology Transfer

The Division of Research, Creative Activities and Technology Transfer (RCATT) is dedicated to advancing NDSU research, creative activities, and technology transfer; fostering entrepreneurial projects; interacting with the N.D. Legislature, the Board of Higher Education, federal program officers and administrative personnel, and congressional delegations and their staffs; providing leadership for enhancing NDSU's national status as a research and graduate institution; and establishing NDSU's new Research and Technology Park.

Division of Student Affairs

The Division of Student Affairs at NDSU serves student needs by providing specialized services, educational programs, and offerings directed at academic and student personal growth. Division personnel encourage student involvement within the university and serve as advocates for student concerns. Division functions are provided in a spirit of support for the teaching, research, and public service of the university.

Division of University Relations

The mission of University Relations is to build public understanding of and strong public and private support for North Dakota State University and to continue to attract and retain outstanding students. The mission can be

accomplished through an on-going series of activities designed to inform, educate, and persuade the citizens of North Dakota, the region, and the nation about the areas of excellence at NDSU. In addition, the program is intended to recognize the contributions of the citizens to the university.

The Campus

The NDSU campus includes 98 buildings on nearly 30 square blocks or 258 acres. With an infrastructure of 5.8 miles of streets, 15.5 miles of sidewalks, 53.7 acres of parking lots, 5.2 miles of steam lines, 8.6 miles of water lines, 4,800 miles of outside telephone/data conductor cable, 58 miles of cable TV, 13.1 miles of sewer lines, and 22.3 acres under irrigation, NDSU is a small city within itself. In all, NDSU is located on 22,053 acres of North Dakota land. This includes the main Agricultural Experiment Station in Fargo and eight research centers throughout the state.

Academic Programs

NDSU offers more than 100 undergraduate and graduate programs of study with degrees awarded at the doctoral, master's, and baccalaureate levels. Various undergraduate minors and certificate programs also are available. For a list of programs current at the time of this publication, refer to Majors and Degrees Available in the Academic Information and Regulations section of this bulletin.

University Services and Outreach

Extension and Experiment Stations

(www.ag.ndsu.nodak.edu/research.htm and www.ext.ndsu.nodak.edu)

In keeping with its historical strength in agricultural research, NDSU Extension Service offices are located across the state, and more than 18,000 acres are dedicated to agricultural research. In addition to the main North Dakota Agricultural Experiment Station at Fargo, facilities include:

- Agronomy Seed Farm, Casselton
- Carrington Research Extension Center
- Central Grasslands Research Extension Center, Streeter
- Dickinson Research Extension Center
- Hettinger Research Extension Center
- Langdon Research Extension Center
- North Central Research Extension Center, Minot
- Williston Research Extension Center

Facilities Management (<http://facilities-mgmt.ndsu.nodak.edu>)

Facilities Management provides many services to the NDSU academic community with its 150 person staff. The services include: building maintenance/construction, custodial, grounds/landscape, utilities, public and environmental health and safety, motorpool, telecommunication, mail delivery/moving, 24/7 communication center, and central stores. Most units within Facilities Management are located in the Thorson Maintenance Center on Bolley Drive, 231-7911. However, the Office of Safety and Environmental Health is located in the Animal Nutrition and Physiology Center Annex on 18th Street, 231-7759. Emergencies on weekends and evenings should be directed to 231-8998.

Information Technology Services (<http://its.ndsu.nodak.edu>)

Information Technology Services (ITS) is a strategic partner that helps advance the educational, research, and administrative potential of the university. A wide range of IT resources and support services are available to NDSU students, faculty, and staff. ITS administrative offices are located in the Industrial Agriculture and Communications Center (IACC) building.

Infrastructure:

ITS provides the NDSU campus and student residence halls with high-performance, reliable data networking. NDSU is an Internet2 member with direct access to this highly advanced international network for research and collaboration. NDSU also is a part of North Dakota STAGEnet, a state government, university system and secondary education partnership for in-state data and video networking.