

LAS CRUCES AREA RESOURCES

MAJOR RESEARCH & EDUCATIONAL INSTITUTIONS

NEW MEXICO STATE UNIVERSITY

New Mexico State University, founded in 1888 as an agricultural college and preparatory school, has grown to become a major university categorized by the Carnegie Foundation as a Level One research institution. Offering 74 bachelor's degree programs, 51 masters and 24 doctoral programs, as well as three specialists in education programs, NMSU continues to build on a heritage of teaching, research and service.

Enrollment

Total Fall 2005 enrollment for NMSU main campus and branch campuses was 26,391, with main campus enrollment accounting for 16,072. Of that number, minority enrollment is about 48% (41% Hispanic, 3% American Indian, 3% African-American and 1% Asian-American).

Faculty and Staff

Regular faculty members on the main campus number 1,051. 81% of the full-time faculty hold earned doctoral degrees. The faculty/student ratio is 1 to 18.8. The professional and classified staffs total 3,406.

Research

Classified by the Carnegie Foundation for the Advancement of Teaching as a Research I university, NMSU offers a full range of baccalaureate programs, demonstrates a commitment to graduate education through the doctoral level, and gives high priority to research. They award 75 or more doctoral degrees annually and receive \$40 million or more in federal support annually. Classified by the Carnegie Foundation as a Doctoral/Research University--Extensive, NMSU's research expenditures exceeded \$94 million in 2004-05.

NMSU Research Centers:

Agricultural Experiment Station
Arts & Sciences Research Center
Bureau of Business Research & Services
Education Research Center
Engineering Research Center
Health & Social Services Research Center
Physical Science Laboratory
Water Resources Research Institute

NMSU Research Programs:

Applied Optics
Center for Aerospace Science Technology & Education
Computing Research Laboratory
National Biotechnology Information Facility
New Mexico Climate Center

Accreditation

New Mexico State University is accredited by the Commission on Institutions of Higher Education of the North Central Association of Colleges and Schools.

DOÑA ANA BRANCH COMMUNITY COLLEGE

Located adjacent to the main campus of New Mexico State University, the Branch began offering vocational training programs in 1973 as the Doña Ana County Occupational Education Branch of New Mexico State University. Today, DAB provides students with vocational- technical education opportunities that lead to economic independence in the community. Training for employment, retraining, and upgrading for occupational and career development is offered. In addition, the Branch can provide educational services under contract with local business, industry, and

government in support of economic development.

Educational Facilities

The central campus of Doña Ana Branch Community College is located adjacent to New Mexico State University in Las Cruces, New Mexico. Community college education is also offered at White Sands Education Center at White Sands Missile Range, Gadsden Education Center in Anthony, New Mexico, and the Sunland Park Center in Sunland Park, New Mexico. Doña Ana Branch Community College offers a Customized Training Program for employee development in a variety of business related topics. Courses may be held on campus or onsite to fit employee work schedules. Enrollment for Fall 2005 was 6,570, supported by a faculty & staff of 627.

Accreditation

Doña Ana Branch Community College is accredited by the North Central Association of Colleges and Schools.

Other Area Universities and Research Institutions:

University of Texas at El Paso, El Paso, TX
Texas Tech University School of Medicine, El Paso, TX
El Paso Community College, El Paso, TX
University of Phoenix at Santa Teresa, NM
Webster University at Santa Teresa, NM
Troy State University at White Sands Missile Range, NM

KEY INDUSTRIES

As new businesses continue to come into the BorderPlex region, employers are increasingly utilizing the well trained area workforce in their operations. Examples of the industries in Doña Ana County (excluding state and local government and education) include:

- White Sands Missile Range (U.S. Army, private industry testing facility)
- Memorial Medical Center (hospital)
- NASA LBJ Test Facility (rocket testing)
- Honeywell Technology Solutions (aerospace services)
- Wal-Mart (retail)
- Excel Agent Services (call center)
- Tresco, Inc. (sheltered employment)
- ADC Telecommunications (telephone equipment manufacturer)
- IBP Prepared Foods (meat processor)
- NMSU Physical Science Laboratory (aerospace contractor)
- Frontier Airlines (Reservation Center)
- REA Magnet Wire (Wire Processing)
- Parkview Metals (Metal Stamper)
- Multi-Plastics (Component Parts)
- Taylor Metro (Scales & Measurement)
- Calculex (Electronics)
- Smart Corp (Computerized & Home Systems)
- Aldershot (Wholesale Nursery)
- Foamex, Inc. (Packaging)
- Young Pecan (Food Processing)
- Las Cruces Machine (Machine Parts)

UTILITIES

ELECTRICITY

El Paso Electric's New Mexico Division, under regulation

by the New Mexico Public Utility Commission, provides electrical power throughout the BorderPlex. El Paso Electric offers additional energy utilization services and products through its Energy Services Business Unit (ESBU) including:

- Power Quality Products and Services
- Efficient Equipment Retrofits (HVAC, Lighting, Motors, Processors)
- Backup/Standby Generation
- Electro-technologies to Improve Process/Cost Performance
- Electrical Facilities Maintenance
- Thermal Energy Storage
- Energy Management Systems
- "Green" Technologies
- Engineering Services
- Comparative Economic Advisory Services
- Innovative Financing Mechanisms for Qualified Projects
- Reasonably Priced Power in Strong Supply

NATURAL GAS

The Las Cruces area, including the West Mesa Industrial Park, is served by the Rio Grande Natural Gas Association. The Association provides service south to Chamberino and north to Rincon and Hatch. Long term contracts to assure price stability have been used in the past and are planned for continuing use into the future. Santa Teresa and southern Doña Ana County natural gas service is provided by PNM Gas Services, New Mexico's largest utility. PNM's gas supply is extremely stable and reliable because of many interconnections with several interstate pipelines. Moreover, PNM's system is connected to some of the largest reserves of natural gas in the United States. Natural gas quality is high, averaging 96% methane.

WATER, WASTEWATER, SANITATION

The City of Las Cruces provides water from 31 wells to its private and commercial residents. Maximum capacity is 42.4 million gallons per day. Average daily usage is 17.6 million gallons per day. The city has 500,000 gallons in overhead storage and an additional 24.6 million gallons in underground storage. The city has instituted a water conservation program to protect the valuable resource. Storm sewers collect water and sanitary sewers transport wastewater within the city limits. The Las Cruces sanitary sewer plant has a capacity of 8.9 million gallons per day. Average daily usage is 7.9 million gallons.

Doña Ana County provides water to the BorderPlex with two systems, one capable of producing 300 gallons per minute and the other 750 gallons per minute. Storage capacities are 270,000 gallons each above ground. Doña Ana County's waste water treatment plant located near the Santa Teresa border crossing has a capacity of 300,000 gallons per day with the capability of expanding to 5 million gallons per day.

In Santa Teresa, water is provided by the City of Sunland Park, which also provides wastewater collection and treatment. In the Anthony area, services are provided by the Anthony Water & Sewer District. In addition, Doña Ana County recently launched a series of waste water treatment facilities that will assure service to all areas of the county.

TELECOMMUNICATIONS

Qwest (formerly US West) is the largest local telephone service provider for the BorderPlex, with digital switching offices in Las Cruces and Santa Teresa. The switching facilities are connected directly to fiber optic facilities on the Rio Grande Corridor, which links the area from El Paso,

Texas to Las Cruces, up the middle of New Mexico to Albuquerque and the national laboratories at Los Alamos. T-1 service is available at the West Mesa Industrial Park.

In anticipation of major industrial growth in the Santa Teresa area, Qwest has built a digital switching office near the airport. The facility has a growth capacity of 3,000 additional lines with thirty to forty lines currently in use. To accommodate future usage needs, Qwest has also acquired a separate site near the border crossing for an additional switching facility.

A competitor to Qwest is planning an integrated services digital network to Santa Teresa for the near future. The company will offer complete voice- and data-integrated services including Internet, ATM, frame relay, point-to-point dedicated access and local dial-tone long distance service. This will provide industry-standard T1/DS1 lines allowing high-capacity access for large-volume customers using a 24-circuit high-speed digital stream with a total volume of 1,544 Mbps. D3 data transmission is also available bringing voice, data and video transmission to a superior level of speed, accuracy and information-handling capacity.