

ARIZONA UNIVERSITY SYSTEM

FY 2004-2005

Annual Report

Arizona State University
Northern Arizona University
The University of Arizona





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**ARIZONA UNIVERSITY SYSTEM
FY 2004-2005
ANNUAL REPORT**

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ARIZONA UNIVERSITY SYSTEM FY 2004-2005 ANNUAL REPORT

Overview

In fiscal year 2004-2005, the Arizona University System met the educational needs of a record number of students and successfully undertook and accomplished several major initiatives.

In the first half of this decade, full-time enrollment (FTE) growth for the university system exceeded the growth recorded during the decade of the 1990's. Headcount enrollment in this five-year period has already exceeded the headcount recorded in the prior ten years combined. Projections indicate that student enrollment growth will increase to more than 181,000 students by the year 2020, only 15 years from today.

To address this skyrocketing growth, in June 2004, the Arizona Board of Regents authorized a Feasibility and Planning Study of a Proposed Redesign of the University System. This 11-month study resulted in the approval by the Arizona Board of Regents of the redesign recommendations presented by the Feasibility and Planning Study Work Group in its final report, "A Redesigned Public University System." These recommendations provide the path for the Arizona University System to provide quality education and access to meet the demands of the 21st century. Arizona State University (ASU), Northern Arizona University (NAU), and The University of Arizona (UA) have each developed plans to implement the recommendations outlined in this report.

In August 2004, an historic Memorandum of Understanding establishing an unprecedented collaboration to expand the operations of The University of Arizona College of Medicine in Phoenix was signed by then-Regents President Gary Stuart, UA President Peter Likins, and ASU President Michael Crow. This expansion will be part of the Phoenix Biomedical Campus located in downtown Phoenix and will serve a key role in addressing Arizona's shortage of physicians, pharmacists, and other health care professionals. The Board appreciates the Governor's and Legislature's support in securing \$7 million of state General Fund support in FY 2006 and in FY 2007 for this effort.

As part of the Focused Governance Initiative, the Regents examined the Board's organizational structure, encouraged the review and revision of major policies, and identified strategies to streamline the processes used by the Regents to carry out their responsibilities. Enhanced technological capabilities have been implemented as a result of this initiative, including videoconferencing between and among the central office and the universities, as well as the provision of updated computing equipment for both the Regents and central office staff. The Board's capital review process has been enhanced by the creation of the Capital Committee, whose primary responsibility is the in-depth review of university master plan and capital project detail prior to approval by the full Board.

A presidential search process has begun to name a successor to President Peter Likins, who has served as president of The University of Arizona since 1997. Regent Fred Boice chairs the 30-member search committee, which is on track to request the Board to appoint the new UA president in March 2006.

This report contains information about student enrollments, academic programs, staffing levels, system funding sources and uses, and Arizona Board of Regents and university highlights. A snapshot of the first four sections appears below.

Enrollment and Degrees Awarded

In Fall 2004, 114,235 students enrolled at ASU, NAU, and UA.

During 2004-2005, the universities awarded 25,559 degrees, representing a 3.7% increase over the prior year.

Academic Programs

ASU, NAU, and UA offered 378 Bachelor's degree programs, 276 Master's degree programs, 144 Doctorate programs, and 5 professional degree programs. More than 100 certification programs were also offered.

Sources and Uses of Funds

The university system's FY 2005 operating budget revenues totaled \$3.2 billion. This included \$794.6 million of General Fund support; \$610.2 million of tuition; \$844.9 million in gifts, grants, and contracts; and \$914.6 million in auxiliary and other unrestricted funds.

Total FY 2005 budgeted expenditures of \$2.8 billion included \$898.8 million for instruction; \$414.8 million for research; \$334.8 million for auxiliary operations; \$293.5 million for institutional support; \$181.6 million for academic support; \$249.6 million for scholarships; \$86.5 million for student services; \$75.5 million for public service; and \$299 million for other uses.

Staffing Levels

During FY 2005, the university system employed 29,182 faculty and staff, including 18,644 full-time employees and 10,538 part-time employees. Of this total complement, 4,158 professors and 725 other instructional faculty provided instruction, research, and public service at the universities.

Enrollment and Degrees Awarded

- During the decade of the 1990's, Fall 1990 to Fall 2000, the Arizona University System saw growth in headcount enrollment of 8,509 (8.7%) and growth in FTE enrollment of 10,173 (12.3%). In the first half of this decade, Fall 2000 to Fall 2004, the Arizona University System has seen growth in headcount enrollment of 8,393 (7.9%) and growth in FTE enrollment of 11,960 (12.9%).
- Arizona's universities are expecting tremendous growth in the next two decades, with student enrollments projected to increase to more than 181,000 students by the year 2020.
- Arizona's Hispanic population, currently 28% of the total population, continues to increase. The universities must continue to provide the necessary services to ensure educational access by, and success for, the Hispanic community.
- Distance learning continues to expand to meet the needs of the growing demand for higher education. This medium also allows the universities to reach time- and place-bound students throughout the state. In FY 2002, 12,353 students were enrolled in 520 distance learning courses. In FY 2005, actual enrollments totaled 50,313, with 1,483 courses provided, increases of 307% and 185%, respectively, over FY 2002.

FALL 2004 ENROLLMENT						
	Headcount ¹			Full-Time Equivalent ¹		
	Undergrad	Graduate	Total	Undergrad	Graduate	Total
ASU²	46,670	11,486	58,156	45,271	8,601	53,873
ASU at Tempe ³	39,377	9,794	49,171	37,576	7,756	45,332
ASU at West ³	6,137	1,211	7,348	5,394	553	5,947
ASU at Polytechnic ³	3,312	671	3,983	2,301	293	2,594
NAU	13,333	5,814	19,147	12,977	3,818	16,794
UA	28,368	8,564	36,932	27,583	6,435	34,018
TOTAL	88,371	25,864	114,235	85,831	18,854	104,685

¹ The term "headcount" refers to the total number of students served (part-time and full-time). The term "FTE" refers to the number of Full-Time Equivalent students. Total FTE is generated by calculating one FTE student for each 15 student credit hours produced in lower-division courses; one FTE for each 12 student credit hours produced in upper-division courses; and one FTE for each 10 student credit hours produced in graduate courses.

² This is an unduplicated headcount and represents total headcount for all ASU Campuses.

³ ASU at Tempe, ASU at West, and ASU at Polytechnic headcounts are reported separately here so that the number of students served by each campus can be shown. Some students attend more than one campus; therefore, this count involves some duplication.

- The university system awarded 25,559 degrees in 2004-2005, representing a 3.7% increase over the prior year.

DEGREES AWARDED BY CAMPUS, 2004-2005*					
	Bachelor's	Master's	Doctorate	Professional	Total
ASU	9,729	2,614	314	164	12,821
ASU at Tempe	7,498	2,198	314	164	10,174
ASU at West	1,486	283			1,769
ASU at Polytechnic	745	133			878
NAU	2,829	1,890	111		4,830
UA	5,741	1,471	386	310	7,908
TOTAL	18,299	5,975	811	474	25,559

*Degree totals are subject to verification in November 2005.

Academic Programs

Hundreds of degree programs were offered at Arizona's three public universities during fiscal year 2004-2005.

Arizona State University at the Tempe campus offered 95 Bachelor's degree programs, 95 master's degree programs, 51 Doctorate degree programs, 1 Professional degree program, 36 undergraduate certificate programs, and 16 graduate certificate programs. Programs were offered through the university's 10 colleges and 2 schools, including the College of Design, W. P. Carey School of Business, College of Education, Ira A. Fulton School of Engineering, University College, Herberger College of Fine Arts, Division of Graduate Studies, Barrett Honors College, College of Law, College of Liberal Arts and Sciences, College of Nursing, and College of Public Programs.

Arizona State University at the West campus offered 30 Bachelor's degree programs, 9 Master's degree programs, 4 undergraduate certificate programs, 3 post-baccalaureate certificate programs, and 1 graduate certificate program through the New College of Interdisciplinary Arts and Sciences, College of Teacher Education and Leadership, College of Human Services, and the School of Global Management and Leadership.

Arizona State University at the Polytechnic campus offered 23 Bachelor's degree programs, 9 Master's degree programs, 1 doctoral program, 4 undergraduate certificate programs, and 2 post-baccalaureate certificate programs through East College, the College of Technology and Applied Sciences, and the Morrison School of Agribusiness and Resource Management.

Northern Arizona University offered 95 Bachelor's degree programs, 47 Master's degree programs, 8 Doctorate degree programs, 1 Professional degree program, 30 baccalaureate certificate programs, and 12 Master's certificate programs.

Programs were offered through the university's 7 colleges, including the College of Arts and Letters, College of Business Administration, College of Engineering and Natural Sciences, College of Education, Graduate College, College of Social and Behavioral Sciences, and the Consortium of

Professional Schools which includes the Schools of Nursing, Health Professions, Forestry, and Hotel and Restaurant Management.

The University of Arizona offered 120 Bachelor's degree programs, 115 Master's degree programs, 84 Doctorate degree programs, and 3 Professional degree programs, in 17 colleges and 11 schools. The colleges include The College of Agriculture and Life Sciences, College of Architecture and Landscape Architecture, College of Education, Eller College of Management, College of Engineering, College of Fine Arts, Graduate College, Honors College, College of Humanities, James E. Rogers College of Law, College of Medicine, College of Nursing, College of Optical Sciences, College of Pharmacy, Mel and Enid Zuckerman College of Public Health, College of Science, and the College of Social and Behavioral Sciences.

Schools include the Karl Eller Graduate School of Management; Art; John and Doris Norton School of Family and Consumer Sciences; Architecture; Information Resources and Library Science; Landscape Architecture; Music; Dance; Natural Resources; Public Administration and Policy; and Theatre Arts.

The University of Arizona South offered 2 degree programs unique to UA South and not offered at the main campus – the Bachelor of Applied Science with a major in Applied Science, and the Bachelor of Science with a major in Commerce. In conjunction with the UA main campus, UA South offered 13 Bachelor's degree programs, 1 Master's degree program with two options, 2 post-baccalaureate certificate programs, and 1 certificate program in institutional technologies.

Each university provides complete academic program information on the internet. Link to the lists of degrees and majors at:

ASU: <http://www.asu.edu/programs/>

ASU West: <http://www.west.asu.edu/acprogs/>

ASU Polytechnic:

<http://www.east.asu.edu/academics/degrees/>

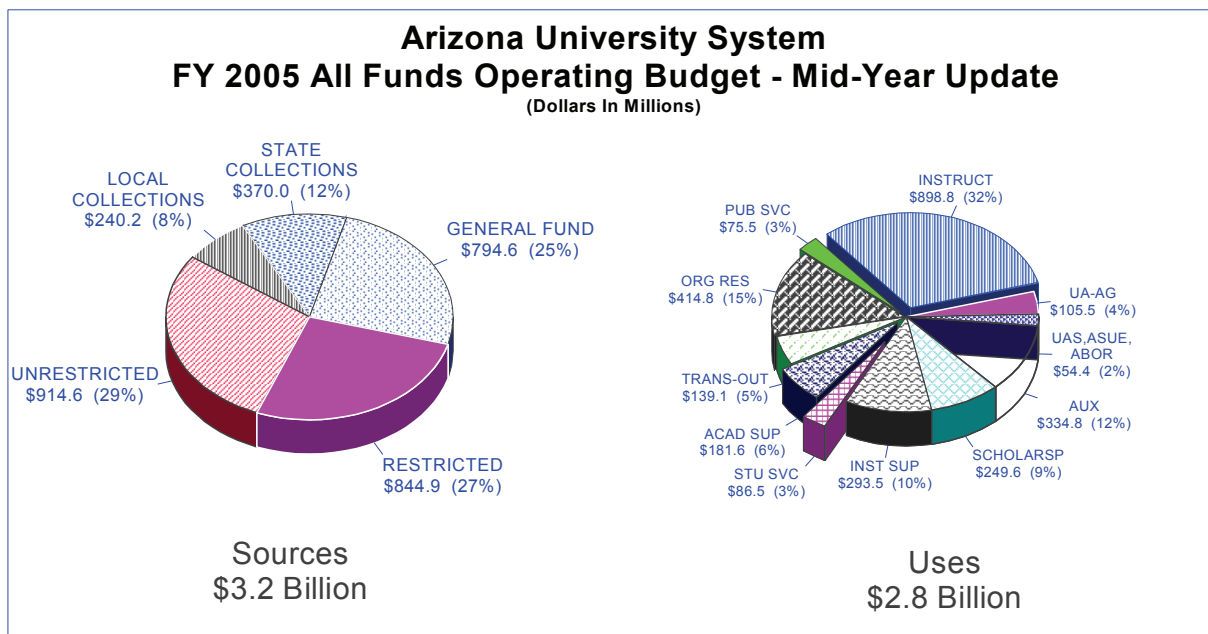
NAU: <http://www4.nau.edu/academiccatalog/2005/academiccatalog.htm>

UA: <http://www.arizona.edu/admissions/undergrad-degrees.shtml>

UA South: <http://uas.arizona.edu/?page=academics>

Sources and Uses of Funds

Sources and uses of funds for FY 2005 are depicted in the charts below:



Tuition rates for the 2005-2006 academic year, approved by the Arizona Board of Regents in March 2005, are:

2005-2006 ACADEMIC YEAR TUITION AND MANDATORY FEES						
Tuition and Fees	ASU		NAU		UA	
	Tempe	Polytechnic/ West	Flagstaff	Statewide	Main	South
Undergraduate						
Resident	\$4,404	\$4,343	\$4,393	\$4,231	\$4,487	\$4,138
Nonresident Current student	\$14,011	\$14,010	\$13,023	\$12,942	\$13,671	\$13,618
Nonresident New Fall 2005 student	\$15,093	\$15,092	\$13,023	\$12,942	\$13,671	\$13,618
Graduate						
Resident	\$5,559	\$5,558	\$4,733	\$4,652	\$4,941	\$4,888
Nonresident Current student	\$14,741	\$14,740	\$13,381	\$13,300	\$13,921	\$13,868
Nonresident New Fall 2005 student	\$15,823	\$15,822	\$13,381	\$13,300	\$13,921	\$13,868

Staffing Levels

University System Employees, Fall 2004

The universities reported the following employee counts for the university system for Fall 2004:

Total professors	4,158	Total full-time employees	18,644
Other Instructional faculty	725	Total part-time employees	10,538
		Total employees	29,182

University Professors, Fall 2004

	ASU at Tempe	ASU at West	ASU at Polytechnic	NAU	UA	Total
Professors	662	31	26	240	821	1,780
Associate Professors	437	69	38	217	517	1,278
Assistant Professors	337	59	19	156	529	1,100
Total	1,436	159	83	613	1,867	4,158

Other Instructional Faculty, Fall 2004

	ASU at Tempe	ASU at West	ASU at Polytechnic	NAU	UA	Total
Instructors	75	1	0	62	63	201
Lecturers	191	40	26	35	127	419
Other	89	0	16	0	0	105
Total	355	41	42	97	190	725

All Employees, Fall 2004

	ASU at Tempe	ASU at West	ASU at Polytechnic	NAU	UA	Total
Full-time Employees	6,291	470	304	2,203	9,376	18,644
Part-time Employees	4,035	56	37	1,302	5,108	10,538
Total	10,326	526	341	3,505	14,484	29,182

Source: IPEDS, Fall 2004

Arizona Board of Regents Highlights

The University of Arizona College of Medicine-Phoenix – In August 2004, then-Regents President Gary Stuart, UA President Peter Likins, and ASU President Michael Crow signed an historic Memorandum of Understanding (MOU) establishing an unprecedented collaboration to expand the operations of The University of Arizona College of Medicine in Phoenix, an effort involving UA and ASU.

The UA College of Medicine-Phoenix will be part of the Phoenix Biomedical Campus located in downtown Phoenix. The Campus will serve a key role in addressing Arizona's shortage of physicians, pharmacists, and other health care professionals.

The Translational Genomics Research Institute (TGen) is a key partner in the expansion of the College of Medicine in Phoenix and will provide opportunities for medical students to engage in translational research.

Milestones occurring during FY 2005 (in addition to the MOU) and to date include:

- ABOR entered into an Interagency Agreement with the City of Phoenix in January 2005 for the land and three historic Phoenix Union High School buildings.
- Governor Janet Napolitano signed SB 1517 in May 2005 providing \$7 million of state General Fund support for the Phoenix expansion.
- Detailed operational and capital plans and budgets were provided to the Joint Legislative Budget Committee pursuant to SB 1517 on September 1, 2005.
- Faculty and administrative recruitments are underway at the College of Medicine-Phoenix.
- Discussions continue with the City of Phoenix regarding financing of a \$90 million Educational building on the Campus (needed by FY 2010 to expand to Level II, with 150 new students each year).

More information can be found online at www.phoenix.arizona.edu.

University System Redesign – In June 2004, the Arizona Board of Regents authorized a Feasibility and Planning Study of the Proposed Redesign of the University System to review the skyrocketing student enrollment growth that Arizona will experience over the next two decades. The 11-month study, led by Regent Chris Herstam, produced the report, *A Redesigned Public University System*, providing recommendations that would set the path for Arizona's University System to carry out its mission by providing quality education and access to meet the demands of the future. The report incorporates input data from a wide range of stakeholders. More information on the Study can be found online at www.azregents.edu.

Nursing Demonstration Project – During the 2005 legislative session, \$4 million annually for five years was appropriated to help Arizona's universities and community colleges double the number of nursing graduates. It is



estimated that Arizona's universities will receive \$1.3 – 1.4 million annually.

Focused Governance – ABOR examined its organizational structure to ensure that it keeps the promise of its Changing Directions initiative to provide quality, affordable, and accessible higher education. Focused Governance is a multi-faceted initiative to revitalize how the Board governs the universities. The creation of a Capital Committee, with a charge to review university master plans and capital projects and to make recommendations to the Board, allows more in-depth review of proposals and improves Board

meeting productivity. The ARU/IT Board Subcommittee was renamed the IT/AZUN Committee, and is charged with oversight and review of Information Technology and e-learning. A number of policy changes were made in conjunction with the universities to update and streamline Board policies. A wide array of enhanced technological improvements has been implemented, including improved computing and telecommunications (videoconferencing) capabilities.

Arizona Universities Network (AZUN) – In November 2004, the Board authorized its Executive Director to enter into a Memorandum of Understanding to outsource the major operations of Arizona Regents University (ARU) to NAU, while retaining policy and budgetary oversight by ABOR. ARU was renamed Arizona Universities Network (AZUN) after the IT/AZUN Committee approved a revised business plan and endorsed the Western Cooperative for Educational Telecommunications (WCET) report on next steps in developing the AZUN Portal.

The Regents approved establishment of an annual grants program, Arizona Regents Reach Out (ARRO), with oversight by the IT/AZUN Committee, to fund faculty proposals for innovation in distance learning.

Learner Centered Education (LCE) – The Regents Innovation Fund, a TRIF initiative, funded 14 LCE grants totaling \$500,000 in FY 2005. Preliminary reports indicate that these 14 grants involved 140 faculty modifying 80 courses serving approximately 8,000 students. Since the FY 2002 inception of the LCE initiative, which is designed to support the Regents' goal of institutionalizing learner-centered education throughout the university system, 68 grants totaling \$2.1 million have been awarded to faculty.

Technology and Research Initiative Fund (TRIF) – During FY 2005, the Arizona Board of Regents invested \$56.7 million of new TRIF (Proposition 301) revenue in biotechnology, water sustainability, optics, environmental, e-learning, technology transfer, and workforce development programs. FY 2005 TRIF initiatives leveraged approximately \$86.1 million in external funding awards; produced 333 invention disclosures, 330 patent applications, 61 patents, 10 start-ups/spin-offs, and 85 signed licenses/options; created 692 partnerships with other entities; and stimulated the relocation to Arizona, or expansion of, 26 companies.

Arizona State University Highlights



- In Fall 2004, student enrollment reached 58,156, and ASU's Tempe campus had the fourth largest enrollment of any campus in the nation. Minority enrollment was 22% of the total.
- For the past six years, ASU has ranked in the top 20 universities in the nation for the number of freshman National Merit Scholars, along with Harvard, Stanford, Yale, UC Berkeley, MIT, and Princeton. ASU ranks fourth among public schools, and twelfth overall. In fall 2004, ASU enrolled 162 freshman National Merit Scholars and 482 overall.
- Two more ASU students made *USA Today's* list of top college academic leaders, with Scott MacIntyre named to the first team and Jared Niska to the second team. Since 1992, 10 ASU students have been named among the top 20 undergraduates in the U.S. on the All-USA College Academic First Team. This is the best record of any public university in the nation. Only Harvard and Yale have had more.
- ASU students' record of winning Fulbright Fellowships is double the national average. Ten percent of applicants nominated from any given university actually will be awarded a Fulbright; ASU has been winning at the rate of 20 percent. In 2005, 14 students won Fulbright awards to study or do research abroad next year, a record for ASU and one of the best records for any public university.
- ASU became the center of interest for over 50 million television viewers worldwide when it hosted the third and final Presidential Debate between Senator John Kerry and President George W. Bush.
- ASU Economics faculty member Edward Prescott received the 2004 Nobel Prize in the economic sciences.
- A record 182 new faculty joined ASU, bringing the total to 2,268 scholars and practitioners committed to teaching excellence.
- ASU's athletics department finished 11th in the U.S. Sports Academy Directors' Cup standings for overall excellence, thanks to ASU's top-10 finishes in baseball, women's golf, and men's and women's cross country.

Infrastructure:

- This year ASU added 182,000 square feet of research space; 131,000 square feet of academic and support space; and 62,000 square feet of residential space to its campuses.
- The first of four state-of-the-art research buildings for the Biodesign Institute opened for operation.
- Construction began on three new Interdisciplinary Science and Technology Buildings, two on the Tempe campus and one on the Polytechnic campus.

Research:

- ASU's research awards grew by 13% to \$167 million. Research expenditures grew by 17% to \$153 million.
- Roy Curtiss, co-director of the Center for Infectious Diseases and Vaccinology in the Biodesign Institute, was awarded a \$14.8 million grant by the Gates Foundation to develop a pneumonia vaccine for newborns.
- The U.S. Army Flexible Display Center opened for operation at the ASU Research Park.

Partnerships and Programs:

- ASU became the first university outside of China to be invited to stage a major exhibit at China's National Science & Technology Week. The exhibit, "Welcome to Mars!" featured ASU's Mars research program and was viewed by tens of thousands of Chinese citizens in Beijing.
- ASU President Michael Crow served as co-host with Sichuan University President Xie Heping at the first China-U.S. Forum on University Design. This roundtable discussion of university leaders focused on the role of higher education in the 21st century.
- Within one year of signing an agreement with the Consejo Nacional de Ciencia y Tecnologia (CONACYT), Mexico's equivalent to the U.S. National Science Foundation, the number of CONACYT fellowships awarded to ASU students more than tripled. ASU also launched a dual MBA program between the Instituto Tecnológico Autonomo de Mexico and the W. P. Carey School of Business.

More information about ASU is available at <http://www.asu.edu>.

Northern Arizona University Highlights



NORTHERN
ARIZONA
UNIVERSITY

- In FY 2005, Northern Arizona University students were awarded over 2,700 baccalaureate and over 1,900 graduate degrees.
 - Asked to rate their overall experience, 98% of alumni and graduating seniors responded "good" or "excellent."
 - One-year retention rate for first-time, full-time freshmen reached a ten-year high of 70%.
 - NAU had an enrollment of 19,147 students in the fall 2004, an increase of 2.5% in full-time equivalent students over the previous year.
 - The university registered increases in enrollment for all underrepresented ethnic groups.
 - Northern Arizona University was recognized on the Peace Corps list of "Top Producing Colleges and Universities," based on the number of alumni who currently serve as volunteers in the organization.
- Numerous strides were made in achieving NAU's goal of being the nation's leading university serving Native Americans:
- Northern Arizona University ranks fifth in the nation for graduating Native Americans with bachelor's degrees.
 - One-year retention for first-time, full-time Native American students increased 16%.
 - The Fort McDowell Yavapai Nation awarded Northern Arizona University \$11,500 to support NAU's Nizhoni Academy, a college preparatory program for Native American students.
 - Greek Life helped Native American students establish a Native American fraternity, Beta Sigma Epsilon, making NAU one of two universities to sponsor a fraternity of this kind.
 - NAU received endorsement of its web-based degree and certificate programs from the Higher Learning Commission of the North Central Association of Colleges and Schools.
 - NAU's online-guided registration process has been recognized as a national best practice by WCET, the technology group of WICHE.
 - NAU currently serves more than 2,400 students through six Phoenix-area campuses.
 - NAU responded to the dire need for nurses and the state legislature's recommendation that nursing programs double their graduates by establishing a bachelor of science in nursing satellite program in collaboration with the Tucson Medical Center.
- NAU continues to receive recognition for their professional programs. Examples include:
- The College of Engineering and Natural Sciences received a \$400,000 grant from the National Science Foundation to increase enrollment of Hispanic students to study in various engineering fields.
 - Northern Arizona University has been selected as one of eight new members of the National Council for Minorities in Engineering Scholars Program. NAU will receive scholarship funds of \$225,000 payable at \$45,000 a year for five years.
 - Northern Arizona University's alternative teacher education program was revamped and reduced from 22 months to 12 months to get teachers into the classroom quickly as part of the Technology and Research Initiative Fund (TRIF). Over 90% of the graduates stay in Arizona to teach.
 - Northern Arizona University's student newspaper, *The Lumberjack*, won four awards, including a first place for reporting, in the 2004 Society of Professional Journalists Mark of Excellence competition.
- Federal and state grant and contract awards again increased in FY 2005. NAU's research initiatives continue to provide students an opportunity to apply and practice the knowledge and skills gained in the classroom. Some examples of specific research awards and projects include:
- Northern Arizona University was selected, along with Duke, Penn State, and Michigan Tech, for a \$10 million award to host the National Institute for Climatic Change Research.
 - Federal legislation was signed naming the Ecological Restoration Institute at Northern Arizona University as one of three regional institutes that will help land management agencies develop treatments to reduce the threat of unnatural fire while addressing forest health problems.
 - A national campaign facilitated by NAU's Center for Sustainable Environments received a \$745,000 three-year grant from the Cedar Tree Foundation.
 - Two NAU faculty members, along with a graduate student, developed a sensor which can be adapted to a variety of uses. It is currently being used by the United States Army in an experimental program to sense the dehydration level of soldiers so that they can better avoid heat-related illnesses.
 - NAU strengthened partnerships with Chinese universities that include the exchange of faculty members to teach English and Chinese languages; development of web-based and web-enhanced educational programs for students; further development of Chinese language and culture programs at NAU; and development of cooperative research activities.
 - The university's top planning priority—faculty and staff compensation—was funded for FY 2006. The university established an annual process for staff reclassifications and salary adjustments to align departmental needs with university priorities.
 - Groundbreaking for the Applied Research and Development building took place. NAU's green building design for this building garnered the first annual Bill Kicksey Environmental Achievement award from Arizona Environmental Leadership through Mentoring.
- More information about NAU is available at <http://www.nau.edu>.

The University of Arizona Highlights

The University of Arizona ranked 16th among public universities in the most recent National Science Foundation (NSF) published rankings of academic research expenditures.



The UA received ABOR approval to expand the College of Medicine in Phoenix. Building on the existing UA College of Medicine in Phoenix that for decades has trained third- and fourth-year UA medical students, the expansion will include training for first- and second-year medical students. Arizona Board of Regents then-President Gary Stuart, UA President Peter Likins, and ASU President Michael Crow signed a Memorandum of Understanding securing a commitment to a single medical school in Arizona.

The UA's \$1 billion fundraising campaign exceeded its billion dollar goal by nearly \$200 million. The highly successful campaign marks the state's first billion-dollar charitable fundraising effort.

Hispanic Business Magazine's 2004 annual ranking of graduate schools placed the James E. Rogers College of Law seventh. It was the second consecutive year the college has been recognized by the magazine as one of the country's top 10 law schools for Hispanic students.

A Spanish-language link was added to the UA website home page in order to accommodate the interests of parents and prospective students.

UA ranked in the top ten of NASA grant recipients and is number one in space science research. UA receives more grants than the next nine top NASA-JPL-funded universities combined.

According to *The Chronicle of Higher Education*, UA was among the top 25 producers of Fulbright awards.

A groundbreaking for the \$43 million Chemical Sciences Building was held. The project will add 46,800 net square feet of laboratory and office space and connect the Marvel, Old Chemistry, and Koffler buildings to create a Chemical Sciences Complex. The analytical chemistry program is ranked 6th in the nation by *U.S. News & World Report*.

The UA Poetry Center broke ground for its new Helen S. Schaefer building. In the most recent *U.S. News & World Report* survey of nearly 200 Creative Writing Programs, UA's graduate program ranks in the top ten.

U.S. News & World Report's America's Best Colleges ranks UA in the top tier of nationwide universities. The ranking makes UA the state's top-ranked school.

The College of Agriculture and Life Sciences was awarded more than \$24 million in maize and rice research funding to enhance the world's food supply. UA researchers are the first to sequence the genome of a food crop.

NASA's Hubble Space Telescope revealed a rare triple eclipse of Jupiter's moons, Io, Ganymede, and Callisto. UA astronomers developed the Near Infrared Camera and Multi-Object Spectrometer to make the revelation possible, and a UA scientist captured the image by speeding up Hubble's tracking system to make the images sharper.

Experiments developed by UA scientists rode on the Cassini spacecraft's Huygens probe, which detached from Cassini and began its cruise to Saturn's largest moon, Titan. The Huygens probe carried six science packages, three with UA ties.

The world's largest, most technologically advanced ground-based telescope—the result of a concept originally proposed by UA astronomers—was dedicated. The Large Binocular Telescope, atop Mount Graham, will have twin 8.4-meter (27-foot) primary mirrors on a single telescope mount. The "two-shooter" will produce images 10 times sharper than those from the Hubble Space Telescope.

UA scientists worked with NASA on the Mercury Surface, Space Environment, Geochemistry, and Ranging Operation, or "Messenger." The probe will yield information about the temperature, core, and magnetic field of the least explored planet in our solar system.

Following a study led by UA's chief of cardiothoracic surgery, the CardioWest Temporary Total Artificial Heart - an air-driven "bridge-to-transplant" device that helps patients facing imminent death stay alive until a human donor heart is available - became the only device of its kind approved by the U.S. Food and Drug Administration.

The McGuire Entrepreneurship Program at the Eller College of Management was the nation's only program to appear among the top twelve of five ranking organizations' listings, including *U.S. News & World Report's* graduate and undergraduate; *Entrepreneur Magazine's* scientific evaluation and peer ranking; and *Princeton Review/Forbes*.

More information about UA is available at <http://www.arizona.edu>.



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