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# General Information

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Arizona State University has emerged as a leading national and international research and teaching institution. Located in the Phoenix metropolitan area, this rapidly growing, multicampus public research university offers programs from the baccalaureate through the doctorate for approximately 58,156 full-time and part-time students through ASU at the Tempe campus; the West campus in northwest Phoenix; a major educational center in downtown Phoenix; the East campus, located at the Williams campus (formerly Williams Air Force Base) in southeast Mesa; and other instructional, research, and public service sites throughout Maricopa County. See the “Fall 2004 Enrollment” table below.

Fall 2004 Enrollment

Type	Students
Total	58,156
East campus	3,983
Tempe campus	49,171
West campus	7,348
National Merit Scholars (incoming freshmen)	162

## MISSION

Arizona State University’s goal is to become a world-class university in a multicampus setting. Its mission is to provide outstanding programs in instruction, research, and creative activity, to promote and support economic development, and to provide service appropriate for the nation, the state of Arizona, and the state’s major metropolitan area. To fulfill its mission, ASU places special emphasis on the core disciplines and offers a full range of degree programs—baccalaureate through doctorate, recognizing that it must offer quality programs at all degree levels in a broad range of fundamental fields of inquiry. ASU will continue to dedicate itself to superior instruction; to excellent student performance; to original research, creative endeavor, and scholarly achievement; and to outstanding public service and economic development activities. As a result of this dedication, ASU was named to Research Extensive (formerly Research I) status in 1994, recognizing ASU as a premier research institution.

## ORGANIZATION

Arizona State University is part of a university system governed by the Arizona Board of Regents, a body with perpetual succession under the constitution and laws of Arizona. The board consists of eight citizens appointed by the governor of the state for terms of eight years, and two students; the elected governor and state superintendent of public instruction are members ex officio.

The regents select and appoint the president of the university, who is the liaison between the Arizona Board of

Regents and the institution. The president is aided in the administrative work of the institution by the provosts, vice presidents, deans, directors, department chairs, faculty, and other officers. Refer to “Administrative Personnel,” page 376.

The academic units develop and implement the teaching, research, and service programs of the university, aided by the university libraries, museums, and other services.

The faculty and students of the university play an important role in educational policy, with an Academic Senate, joint university committees and boards, and the Associated Students serving the needs of a large institution.

## ACADEMIC ACCREDITATION AND AFFILIATION

See “Accreditation and Affiliation,” page 525.

## EQUAL OPPORTUNITY AND AFFIRMATIVE ACTION

It is the policy of ASU to provide equal opportunity through affirmative action in employment and educational programs and activities. Discrimination is prohibited on the basis of race, color, religion, national origin, citizenship, sex, gender identity, sexual orientation, age, disability, special disabled veteran, other protected veteran, or Vietnam-era veteran status. Equal employment opportunity includes but is not limited to recruitment, hiring, promotion, termination, compensation, benefits, transfers, university-sponsored training, education, tuition assistance, and social and recreational programs.

ASU is committed to taking affirmative action in increasing opportunities at all levels of employment and to increasing participation in programs and activities by all faculty, staff, and students. Affirmative action is directed toward minority persons, women, special disabled veterans, other protected veterans, Vietnam-era veterans, and persons with disabilities.

## University Policy Prohibiting Discriminatory Harassment

**Harassment Prohibited.** Subject to the limiting provisions of “Freedom of Speech and Academic Freedom” specified below, it is a violation of university policy for any university employee or student to subject any person to harassment on university property or at a university-sponsored activity.

**Harassment Defined.** Actions constitute harassment if (1) they substantially interfere with another’s educational or employment opportunities, peaceful enjoyment of residence, or physical security, and (2) they are taken with a general intent to engage in the actions and with the knowledge that the actions are likely to substantially interfere with a protected interest identified above. Such intent and knowledge may be inferred from all the circumstances.

**Freedom of Speech and Academic Freedom.** Neither this nor any other university policy is violated by actions that amount to expression protected by the state or federal constitutions or by related principles of academic freedom. This limitation is further described in the ASU First Amendment Guidelines, the current version of which supplements this policy and is available in the Office of General Counsel.

**Relationship to the Work of the Campus Environment Team.** If harassment is discriminatory, it falls within the education, monitoring, reporting, and referral functions of the Campus Environment Team. Harassment is discriminatory if taken with the purpose or effect of differentiating on the basis of another person's race, sex, gender identity, color, national origin, religion, age, sexual orientation, disability, or Vietnam-era veteran status.

### **Student Antiretaliation Statement**

Students have the right to be free from retaliation. Threats or other forms of intimidation or retribution against a student who files a complaint or grievance, requests an administrative remedy, participates in an investigation, appears as a witness at an administrative hearing, or opposes an unlawful act, discriminatory practice or policy, are prohibited. Individuals making such threats are subject to university disciplinary procedures. Students with complaints of retaliation should utilize the procedures available under the *Arizona Board of Regents Student Code of Conduct*, the Graduate Student Grievance Procedure, the Student Employee Grievance Procedure, the Sexual Harassment Policy, non-discrimination policies, or other available administrative procedures as appropriate. For assistance with procedures, students should contact the dean of the particular college if the circumstances relate to a course or academic evaluation, or the dean of students for all other circumstances.

### **INTERGROUP RELATIONS CENTER**

The first-of-its-kind, student-founded Intergroup Relations Center (IRC) enhances the university's primary directives of teaching and learning through the application of social justice approaches to diversity, intergroup relations programming, and scholarship in partnership with campus and external communities.

Through structured interaction programs for faculty, staff, and students—including intergroup dialogues, retreats, institutes, and educational and training workshops—the center promotes diversity as one of the university's greatest assets. The educational work of the center encompasses gender, race, age, ethnicity, sexual orientation, disability status, nationality, adult re-entry, and other salient social identities found at ASU.

The center offers student programs that complement courses. For example, the Voices of Discovery intergroup dialogue program brings together small groups of students from different backgrounds for honest, reflective dialogue guided by trained facilitators. Additional programs include weekend retreats on diversity in the professions and on service leadership, and research and practicum internships on diversity and social justice issues.

For faculty and staff, the center offers initiatives addressing issues of diversity in the workplace and the classroom.

These include the annual Faculty Diversity Conference which explores research, pedagogy, and curriculum resources for instructors, and the Diversity Summit Series which provides opportunities to talk and work with nationally and internationally recognized scholars, master teachers, and policy experts.

IRC participates in and offers involvement opportunities with national research. These include program and publication initiatives on intergroup dialogues, anti-bias education, women of color in academia, and diverse democracy outcomes.

For more information regarding diversity resources and ways to get involved, visit the Intergroup Relations Center in SSV 278, call 480/965-1574, or access the IRC Web site at [www.asu.edu/provost/intergroup](http://www.asu.edu/provost/intergroup).

### **HISTORY OF ARIZONA STATE UNIVERSITY**

On February 26, 1885, House Bill 164, "An Act to Establish a Normal School in the Territory of Arizona," was introduced in the 13th Legislative Assembly of Arizona Territory by John Samuel Armstrong. The bill, strongly supported by Charles Trumbull Hayden of Tempe, passed the House on March 6 and the Council on March 11 and was signed by Governor F.A. Tritle on March 12, 1885, thereby founding the institution known today as Arizona State University. Under the supervision of Principal Hiram Bradford Farmer, instruction was instituted on February 8, 1886, when 33 students met in a single room on land donated by George and Martha Wilson of Tempe.

The institution began with the broad obligation to provide "instruction of persons...in the art of teaching and in all the various branches that pertain to good common school education; also, to give instruction in the mechanical arts and in husbandry and agricultural chemistry, the fundamental law of the United States, and in what regards the rights and duties of citizens."

With the growth of the state, especially the surrounding Phoenix metropolitan area, the school has carried forward this charter, accompanied by successive changes in scope, name, and governance.

**The Early Years.** For the first 14 years, the school was governed by six principals. At the turn of the century and with another new name, Normal School of Arizona, President Arthur John Matthews brought a 30-year tenure of progress to the school.

He assisted in changing the school to an all-college student status; the Normal School had enlisted high school students who had no other secondary educational facilities in Arizona. He embarked on a building schedule that included the state's first dormitories. Of the 18 buildings constructed while Matthews was president, six are still in use. His legacy of an "evergreen campus," with the importing of many shrubs and trees and the planting of Palm Walk, continues to this day; the Tempe campus is a nationally recognized arboretum.

Matthews also saw to it that the Normal School was accredited outside the state. His service on national education organization boards was conducive to this recognition. The school remained a teacher's college in fact and theory

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during Matthews' tenure, although the struggle to attain status as a university was ongoing.

An extraordinary event occurred March 20, 1911, when former President Theodore Roosevelt visited the Tempe school and spoke from the steps of Old Main. He had dedicated the Roosevelt Dam the day before and was impressed with Arizona. He noted that construction of the dam would benefit central Arizona's growth and that of the Normal School. It would be another year before the territory became a state.

During the Great Depression, Ralph W. Swetman was hired as president for a three-year term. This was a time of uncertainty for educational institutions. Although enrollment increased due to the depression, many faculty were terminated and faculty salaries were cut. The North Central Association became the accrediting agency for Arizona State Teachers College.

**The Gammage Years.** In 1933, Grady Gammage, then president of Arizona State Teachers College at Flagstaff, became president of Arizona State Teachers College at Tempe, a tenure that would last for nearly 28 years.

The Graduate Division was created in 1937, and the first master's program was established the same year.

On March 8, 1945, the three state institutions of higher learning came under the authority of one Arizona Board of Regents, which oversees ASU today.

The phenomenal growth of the college began after the end of World War II. Dr. Gammage had foreseen that the G.I. Bill of Rights would flood campuses everywhere with returning veterans. Many of the veterans who had received military training in Arizona had fallen in love with the state and vowed to return after the war. The numbers within one year were staggering: in the fall semester of 1945, 553 students were enrolled; over the weekend semester break in January 1946, enrollment increased 110 percent to 1,163 students. Successive semesters saw continuing increased enrollment.

Like his predecessor, Dr. Gammage oversaw the construction of a number of buildings. His greatest dream, that of a great auditorium, came to fruition after his death. He laid the groundwork for it with Frank Lloyd Wright, who designed what is now the university's hallmark building, Grady Gammage Memorial Auditorium, built in 1964.

**Years of Growth and Stature.** During the 1960s, with the presidency of Dr. G. Homer Durham, Arizona State University began its academic rise with the establishment of several new colleges (the College of Fine Arts, the College of Law, the College of Nursing, and the School of Social Work) and the reorganization of what became the College of Liberal Arts and Sciences and the College of Engineering and Applied Sciences. Perhaps most important, the university gained the authority to award the Doctor of Philosophy and other doctoral degrees.

The next three presidents—Harry K. Newburn, 1969–71, John W. Schwada, 1971–81, and J. Russell Nelson, 1981–89—and Interim President Richard Peck, 1989, led the university to increased academic stature, expansion of the campuses, and rising enrollment.

Under the leadership of Dr. Lattie F. Coor, from 1990 to June 2002, ASU grew to serve the Valley of the Sun through

multiple campuses and extended education sites. His commitment to diversity, quality in undergraduate education, research, and economic development underscored the university's significant gains in each of these areas over his 12-year tenure. Part of Dr. Coor's legacy to the university was a successful fund-raising campaign. Through private donations, primarily from the local community, more than \$500 million was invested in targeted areas that significantly impact the future of ASU. Among the campaign's achievements were the naming and endowing of the Barrett Honors College, the Katherine K. Herberger College of Fine Arts, and the Morrison School of Agribusiness and Resource Management at the East campus; the creation of many new endowed faculty positions; and hundreds of new scholarships and fellowships.

**A New Vision.** ASU entered a new era on July 1, 2002, when Michael M. Crow joined the university as its 16th president. At his inauguration, President Crow highlighted his vision for transforming ASU into a New American University—one that is open and inclusive; that embraces its cultural, socioeconomic, and physical setting; and that promotes use-inspired research. As the only research university serving the entire metropolitan Phoenix area, ASU is in a unique position to evolve together with the city into one of the great intellectual institutions in the world.

A strong foundation already is in place to move Dr. Crow's vision forward. ASU admitted its largest and highest-quality freshman class ever in fall 2003 and has developed nationally recognized programs in a number of fields, including accounting, astrobiology, design science, creative writing, music, ecology and evolutionary biology, electron microscopy, nanotechnology, psychology, solid-state science, and supply chain management.

In addition, ASU has embarked on its most aggressive capital building effort in more than a decade. The university is adding one million square feet of world-class, grade A research infrastructure, with the first building—Phase I of the Biodesign Institute at Arizona State University—was completed in October 2004. ASU will take a leading role in biomedicine and biotechnology, designing new therapies, new vaccines, new diagnostic devices, and better delivery methods.

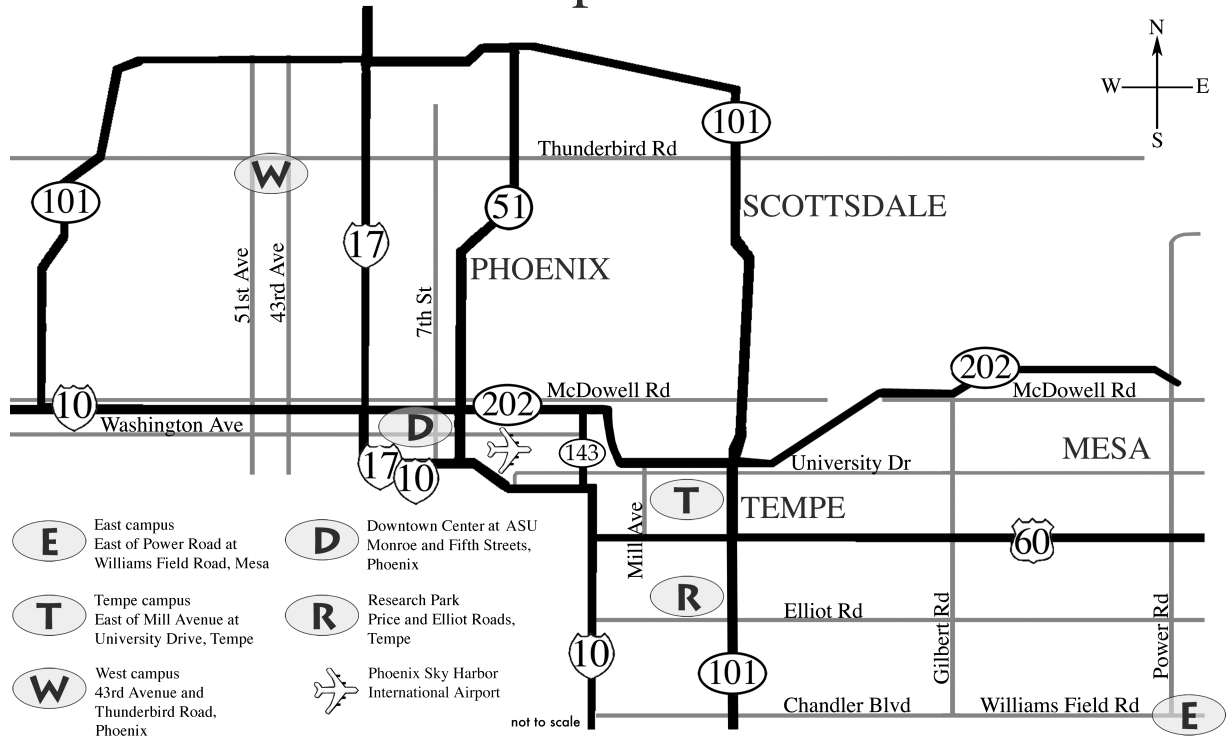
In addition, the university has undertaken a significant realignment initiative known as "One University in Many Places," which adopts a college/school-centric model for restructuring ASU across four distinct full-service campuses Valley-wide.

**Research Extensive Status.** ASU was named to Research Extensive (formerly Research I) status by the Carnegie Foundation for the Advancement of Teaching in early 1994. Nationally, 88 universities have been granted this status, indicating successful garnering of support for research projects and educating future scientists.

### Athletics

The original nickname for the Normal School of Arizona athletic teams was the Owls. Athletics other than Sunday hikes and lawn tennis were not part of the early curriculum.

# ASU Campus Locations



During President Matthews' tenure, some team competition began. The Tempe Bulldogs saw some interesting and rough competition with the University of Arizona Wildcats. In the 1940s, the college's teams became the Sun Devils.

In 1979, the university joined the Pacific-10 Conference. In 1987, ASU became the first Arizona football team to play in the Rose Bowl, defeating the University of Michigan Wolverines 22–15. ASU made its second appearance in 1997 against Ohio State.

In 2003, ASU finished 10th nationally in the Sears Directors' Cup, which recognizes the top athletic programs in the country. Ten teams finished in the top 20 nationally with five teams posting top 10 finishes. Wrestling finished fifth; men's golf, sixth; baseball, seventh; gymnastics, ninth; and women's swimming/diving, 10th.

## Division of Graduate Studies

Graduate education at ASU began with the creation of the Graduate Division in 1937 and the establishment of the first master's program the same year. For the first 20 years, graduate education focused exclusively on professional programs in education. During the 1950s as the campus grew and broadened its mission, a number of new degree programs appeared, significantly enhancing the role of graduate studies on the campus. By the early 1960s, graduate programs were established in many disciplines; humanities, social science, and science fields were well represented, as were professional programs in business, engineering, fine arts, and public administration. With this expansion of the

mission of the campus came new facilities and the development of a wider range of research interests and activities.

Major changes in the nature and role of graduate education came in the early 1960s when the first PhD programs were established in chemistry, education, engineering, English, physics, and psychology. The research focus of campus programs grew at a rapid pace. Master's programs matured as doctoral programs were added. From the late 1960s to the present, campus facilities for instruction, research, and advanced study significantly expanded to support university programs with the construction of new laboratories, classroom structures, and two large libraries—including a new main library and a separate science and engineering library.

## UNIVERSITY CAMPUSES AND SITES

ASU comprises the East campus, Tempe campus, West campus, Downtown Phoenix campus, the ASU Research Park, and various other entities and facilities. See the "ASU Campus Locations" map, on this page.

**Downtown Phoenix Campus.** See "Downtown Phoenix Campus," page 380.

**East Campus.** The polytechnic campus of the university, the East campus opened in 1996 and serves more than 3,500 undergraduate and graduate students. Located in the East Valley, the 600-acre campus offers many of the features of a small residential college in a suburban area while providing

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access to the resources of the Tempe campus and the amenities of the metropolitan Phoenix area.

The East campus offers a variety of bachelor's and master's degrees, certificate programs, and, through partnerships with programs at the Tempe campus, select doctoral degrees. Sharing the campus with the East campus are two community colleges, an elementary school, a regional airport, a golf course, and several corporate research facilities. A partnership with Chandler-Gilbert Community College provides lower-division general education, general interest, and major prerequisite courses to East campus students and transfers the credits seamlessly to ASU.

Fully mediated classrooms and specialized educational facilities such as the Microelectronics Teaching Factory, the Graphic Information Technology Facility, and the flight program's Altitude Chamber offer unique teaching-learning opportunities for East campus students.

On-campus housing for married students and families in addition to traditional residence halls for single students are available at East campus. The Freshman Year Experience residence halls at East campus offer a specialized community that integrates a variety of academic resources into residential life.

A shuttle service provides transportation between the East campus and the Tempe campus. The campus, located at Power and Williams Field Roads in Mesa, is easily accessible via major interstate routes. For more information, see "East Campus," page 381.

**Tempe Campus.** The Tempe campus is located near the heart of metropolitan Phoenix in the city of Tempe (population 159,615). Nearby are the municipalities that make up the fast-growing Valley of the Sun: Chandler, Gilbert, Glendale, Mesa, Scottsdale, and other communities.

The Tempe campus comprises more than 700 acres and offers outstanding physical facilities to support the university's educational programs. The campus is characterized by broad pedestrian malls laid out in an easy-to-follow grid plan, spacious lawns, and subtropical landscaping.

**West Campus.** The West campus of ASU, located in northwest Phoenix, is a vital component of ASU. The campus serves more than 7,300 students, offering a highly personalized, student-centered education. It offers an interdisciplinary education for undergraduates, as well as an array of professional programs grounded in the liberal arts. The West campus offers 30 bachelor's degree programs, nine master's degrees, and eight professional certificates.

West campus's colleges and schools are a force in the creation and communication of knowledge through its interdisciplinary teaching, research, and outreach programs. West campus faculty are active scholars engaged in a wide variety of research to enhance the community, build new knowledge, and expand the frontiers of science. Research activities are diverse, including quality-of-life issues in the metropolitan region, applied leadership challenges for public and private organizations, and enhanced teacher education. Students benefit from the unique blend of interactive, classroom-based learning communities, community- and field-based learning experiences, and faculty-student research partnerships that address important societal issues.

The West campus commitment to integrated learning extends to Las Casas, an apartment-style, living-learning-based housing facility. Las Casas features faculty and academic advisors who live in the residence, faculty mentors, courses taught on site at the community center, and student affinity groups focusing on topics such as global awareness, leadership, and the arts.

As a full-service campus, West campus includes a child development center, student health center, bookstore, fitness center, credit union, computer center, food service facilities, theater, and meeting rooms. The campus offers valuable resources for the community, including fine arts and cultural programs, consulting for public and private organizations, workshops, and special events.

The campus is located in northwest Phoenix between 43rd and 51st Avenues on West Thunderbird Road, easily accessed from Interstate 17 and Loop 101.

For more information, see "West Campus," page 474. For complete information and course listings, see the *West Campus Catalog*.

**Downtown Center at ASU.** The Downtown Center at ASU is located in central Phoenix at 502 E. Monroe. The center offers a variety of daytime and evening courses and degree programs of interest to employees in private businesses and government agencies and to individuals seeking personal growth and enrichment. These offerings are scheduled at a variety of convenient times and offered through various modes of delivery. Professional continuing education, certificate programs, and lecture series are also available. Access to ASU library information and resources, ASU computing resources, and the Internet is available through the center's computer lab.

**ASU Research Park.** The mission of the ASU Research Park is to enhance Arizona's high-value research-based economic development and to build the university's capacity to educate and advance knowledge. To this end, the Research Park serves to attract new corporate and regional headquarters and research and development firms to Arizona—headquarters and firms that broaden the base for potential research, interact with graduate students, consult with university faculty, cosponsor seminars on research topics, and provide employment opportunities for ASU graduates.

The Research Park has numerous major tenants, including ASML, Avnet Technology Solutions, Bright Horizons Family Solutions, Edward Jones, Iridium Satellite, the ASU Macro Technology Works, Philips Semiconductors, and many others. The Research Park contains more than 1.6 million square feet of developed space on 324 acres.

For more information, access the Web site at [researchpark.asu.edu](http://researchpark.asu.edu).

**Camp Tontozona.** Located in the famed Mogollon Rim country near Kohl's Ranch, northeast of Payson, this continuing education facility serves the needs of academic departments conducting teaching and research in mountain terrain. The camp is also available to faculty, staff, graduate students, and alumni for family use. For more information, call 480/965-6851.

**Deer Valley Rock Art Center.** Deer Valley Rock Art Center, located two miles west of the Black Canyon Freeway on Deer Valley Road, is operated by the ASU Department of Anthropology in consultation with the Hopi, Yavapai, and Gila River Indian tribes. It includes more than 1,500 petroglyphs that cover the eastern slope of Hedgpeth Hills. For more information, call 623/582-8007.

**The Arboretum.** The Arboretum at Arizona State University is the entire 722-acre Tempe campus. The Arboretum is home to a flourishing oasis of plants from around the world. This virtual outdoor classroom includes more than 300 species of trees and other woody ornamental and herbaceous plants from diverse geographic regions as well as the Sonoran Desert. The Arboretum contains one of the best collections of palms and conifers in the desert Southwest and a growing collection of native Southwestern plants. The Arboretum's date palm collection has received international recognition by the American Association of Botanical Gardens and Arboreta North American Plant Collection Consortium.

The Arboretum's collection began with Arthur J. Matthews. By the time Matthews' 30-year presidency was finished, nearly 1,500 trees of 57 species and more than 5,700 feet of hedges were planted. One of his most enduring landscape projects was the planting of Mexican Fan Palms along Palm Walk in 1916, which extends from University Drive south to the Student Recreation Complex. Today the Arboretum has expanded its collection to include nearly 4,000 trees of 164 species/varieties.

The Arboretum is open to the public free of charge 365 days a year from dawn to dusk. Walking tours of the various collections and points of interest are designated by signage denoting those areas. Many of the plants in the collection throughout campus are marked with identification plaques.

**U.S. Passport Acceptance Office.** Located in the International Programs Office, TMPCT 198, this office serves the public Monday through Friday from 9 A.M. to 4 P.M. For more information, call 480/965-0877, or access the Department of State Web site at [travel.state.gov](http://travel.state.gov).

## UNIVERSITY LIBRARIES AND COLLECTIONS

### Tempe Campus Libraries

Collectively, the ASU University Libraries ([www.asu.edu/lib](http://www.asu.edu/lib)) is one of the premier research libraries in the country. University Libraries consists of Hayden Library, the Architecture and Environmental Design Library, the Music Library, and the Noble Science and Engineering Library. All the libraries promote academic success by connecting students and faculty to a wide range of information resources available in the library and/or accessible via the Internet.

The nationally ranked collections comprise nearly 4 million volumes, more than 34,000 periodical and serial subscriptions, thousands of sound recordings and videos, and hundreds of thousands of government documents and maps. ASU is a member of the Association of Research Libraries and the Center for Research Libraries.

The library's Web site ([www.asu.edu/lib/find](http://www.asu.edu/lib/find)) serves as a gateway to the library's catalog, hundreds of scholarly data-

bases, thousands of electronic books and journals, and RefWorks, a citation management tool. Computing workstations with Internet access are available for use in all library facilities. Wireless networks in each library allow for laptop connectivity to library and campus resources. Borrowing privileges and access to collections vary from unit to unit. Orientation tours are scheduled throughout the year, and library staff are available for consultation on resources and services. In addition to in-house assistance, the ASU University Libraries provides students with 24/7 research assistance through an online "Ask a Librarian" live chat service ([www.asu.edu/lib/help](http://www.asu.edu/lib/help)).

For telephone numbers, see "Libraries," page 397. For more information, access the Web site at [www.asu.edu/lib](http://www.asu.edu/lib).

**Charles Trumbull Hayden Library.** The Charles Trumbull Hayden Library, designed by Weaver and Drover in 1966, houses the largest multidisciplinary collection at ASU. In addition to the open stack areas, separate collections and service areas include Access for Disability Accommodations; Circulation; Periodicals/Videos/Microforms; Government Documents Services; Interlibrary Loan and Document Delivery Services; Library Information, Systems, and Technology (L.I.S.T.); Reference; Reserve; and seven archival repositories available at the Luhrs Reading Room; see "Archives and Special Collections," page 32. For more information about Hayden Library, access the Web site at [www.asu.edu/lib/hayden](http://www.asu.edu/lib/hayden).

### Architecture and Environmental Design Library.

Located on the first floor of the College of Architecture and Environmental Design/North building, this library's main collection focuses on architecture, design, graphic design, interior design, landscape architecture, and planning. The library's Special Collections and Archives, Architectural Drawings Collection, and Materials Resource Center provide additional opportunities for specialized research. For more information, access the Web site at [www.asu.edu/lib/arch](http://www.asu.edu/lib/arch).

**Music Library.** A large collection of music scores, recordings, books, music reference materials, and listening facilities for individuals and groups is located on the third floor of the Music Building, West Wing. For more information, access the Web site at [www.asu.edu/lib/music](http://www.asu.edu/lib/music).

**Daniel E. Noble Science and Engineering Library.** The Daniel E. Noble Science and Engineering Library houses the Map Collection; and books, journals, and microforms in the sciences, engineering, and nursing. For more information, access the Web site at [www.asu.edu/lib/noble](http://www.asu.edu/lib/noble).

### College of Law Library

The John J. Ross-William C. Blakley Law Library is located on McAllister Avenue. See "Law Building and Law Library," page 234, for more information.

### Fletcher Library

The holdings of the Fletcher Library at West campus include more than 331,000 volumes, 9,600 videos, and 15,000 slides. For more information and to take a virtual tour of the library, access the Web site at [library.west.asu.edu](http://library.west.asu.edu).



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### University Collections

**Arizona Historical Foundation.** Under a cooperative agreement with ASU, the Arizona Historical Foundation houses a library of several thousand volumes, manuscript collections, maps, and photographs, and a large collection of audiovisual materials. Housed in the Charles Trumbull Hayden Library, the collection's focus is on the history of Arizona and the Southwest. For more information, access the Web site at [www.ahfweb.org](http://www.ahfweb.org).

**Archives and Special Collections.** ASU Libraries offers eight archival repositories and collections of special published materials: Arizona Collection, University Archives, Special Collections, Child Drama Collection, Benedict Visual Literacy Collection, Labriola National American Data Center, Chicano Research Collection, and the Archives and Special Collections of the Architecture and Environmental Design Library. All of these repositories preserve and make accessible manuscript and archival collections, photographs, videotapes, books, periodicals, and other materials of rarity or special significance. ASU also serves as the host for the Arizona Historical Foundation, a non-profit organization that also offers fine archival collections and services. Thousands of archival materials have been digitized and are available through the Web sites associated with each repository. Reference assistance and traditional or digital duplication services are offered at four reference service points, and some materials are made available through on-campus, online, and traveling exhibits. The Luhrs Reading Room offers evening and weekend service hours during the fall and spring semesters.

### PERFORMING AND FINE ARTS FACILITIES

**ASU Art Museum.** The ASU Art Museum serves students and scholars within and beyond the university and as a cultural resource for the Phoenix metropolitan area. The museum serves the global public through traveling exhibitions, publications that contextualize art in the larger issues of society, and its Web site.

Exhibitions, education programs, and publications are interdisciplinary and designed to engage viewers with art that is relevant to their lives. New technologies in the content of art and in the approaches to reaching new audiences are eagerly and openly adopted.

Collections and exhibitions focus on contemporary art, particularly new media and new methods of presentation; art by Latin American artists; art from the Southwest; prints, both historic and contemporary; and crafts, emphasizing ceramics. In 2002, the Ceramics Research Center was opened, presenting exhibitions and giving access to research in ceramics. The museum was founded by a gift of historic American paintings, which are on continuous display, including works by Gilbert Stuart, Albert Pinkham Ryder, Winslow Homer, Georgia O'Keeffe, and Romare Bearden. The contemporary art holdings include works by Nam June Paik, Lorna Simpson, Vernon Fisher, Sue Coe, and Enrique Chagoya. Ceramics, with a focus in 20th-century examples, include Peter Voulkos, Ken Price, Lucie Rie, and Robert Arneson. Exhibitions and collections are housed in galleries

and study rooms within the international award-winning Nelson Fine Arts Center.

Educational programs include artist residencies and dialogues with classes, a student docent program, internships, research assistantships, lectures and symposia, in-gallery materials, community video projects with children, and school and public tours. For information on upcoming exhibitions and programs, call 480/965-2787.

**Computing Commons Gallery.** Located on the ground floor of ASU's high-traffic, centrally located Computing Commons, the gallery extends the arts to a diverse community. This Institute for Studies in the Arts' (ISA) exhibition space has highly adaptable power and lighting options and more than 30 Ethernet connections to facilitate work with a focus on art and technology.

**Dance Multimedia Learning Center.** The Department of Dance Multimedia Learning Center is a facility designed to promote and encourage the use of media and computer technology in dance education and performance at ASU.

**Dance Studio Theatre.** The Dance Studio Theatre is a 300-seat performance space that is the mainstage performance site for the 12 formal and informal concerts produced annually by the Department of Dance. The theatre is designed with both interactive and telematic capabilities. The facility uses video-based motion sensing and enables dancers to interact with sound, lighting, images, and video in performance. High-speed Internet connectivity enables this space to connect with other telematic spaces for dual, multisite, and Web performances.

**Digital Arts Ranch.** The Institute for Studies in the Arts' (ISA) Digital Arts Ranch includes a black box theatre. The theatre features a matrix of video, audio and movement sensors, controllable projection screens, surround sound capable of Dolby 5.1 and DTS reproduction, shops for design and fabrication using a variety of materials, including wood, aluminum, brass, steel and plastic, and a CAD unit. The theatre space serves as the ISA's principal venue for arts and technology performance events.

**Galleria.** The Galleria features work by ASU faculty, staff, and local artists. Exhibits rotate monthly. Located in downtown Phoenix in the Downtown Center at ASU, the Galleria participates in the monthly and annual art tours—First Friday and Art Detour—sponsored by a local arts group, ArtLink, Inc. For information on exhibitions, call 480/965-3046.

**Gallery of Design.** Housed in the College of Architecture and Environmental Design, the Gallery of Design is used to display student work, semester end final critiques, shows exhibiting faculty work, an annual alumni show, and special exhibits. Exhibits tend to focus on architecture, design, and planning and landscape design. It is open Monday through Friday from 8 A.M. to 5 P.M., except when the university is closed.

**Paul V. Galvin Playhouse.** Built to stage the largest productions of the ASU Theatre, the Paul V. Galvin Playhouse is a 496-seat proscenium-stage theatre set at the east end of the Nelson Fine Arts Center. The Department of Theatre's

annual season of 12 to 15 plays also includes productions in the Lyceum and Prism theatres and the Nelson Fine Arts Center Studios.

**Grady Gammage Memorial Auditorium.** A versatile center for the performing arts designed by Frank Lloyd Wright and named for the late ASU President Grady Gammage, Grady Gammage Memorial Auditorium seats 3,000 and has won wide acclaim for its design and acoustics. In addition to the great hall and related facilities—including the Aeolian-Skinner organ contributed by Hugh W. and Barbara V. Long—the building contains classrooms and workshops for the Katherine K. Herberger College of Fine Arts.

**The Intelligent Stage.** The Intelligent Stage is a research environment and performance space at the Institute for Studies in the Arts (ISA). It is dedicated to the expansion of studies in interactive performance technologies. Current research includes 3-D motion capturing and 2-D sensing technologies, body sensors for real-time control of digital media, and multisite performances through the use of shared data and streaming digital media. The Intelligent Stage serves as the Interdisciplinary Research Environment for Motion Analysis, which includes faculty from 12 departments across campus.

**Katzin Concert Hall.** Located in the new music building expansion, the Katzin Concert Hall seats 350 people. Primarily used for solo and chamber music recitals, the hall houses a nine-foot Hamburg concert Steinway piano. The acoustics are enhanced by the maple-paneled stage and the multifaceted walls and ceiling.

**Louise Lincoln Kerr Cultural Center.** Located in Scottsdale, the Louise Lincoln Kerr Cultural Center offers cultural events, especially in the performing arts, to the community.

**Lyceum Theatre.** A 164-seat proscenium theatre, the Lyceum Theatre is a venue for faculty productions and a laboratory for the work of student playwrights, directors, and actors in the Department of Theatre.

**J. Russell and Bonita Nelson Fine Arts Center.** Designed by Albuquerque architect Antoine Predock, the J. Russell and Bonita Nelson Fine Arts Center is a spectacular, 119,000-square-foot, village-like aggregate of buildings that includes five galleries of the ASU Art Museum, the Paul V. Galvin Playhouse, the University Dance Laboratory, seven specialized theatre and dance studios, a video studio, and a variety of scenic outdoor features, including courtyards, fountains, pools, and a 50-by-100-foot projection wall designed for outdoor video.

**Northlight Gallery.** The Northlight Gallery is dedicated to museum-quality exhibitions of historical and contemporary photography. Located in Matthews Hall, it is open during the academic year.

**Organ Hall.** Located in the Music Building, the Organ Hall houses the Fritts Organ. This tracker-action pipe organ is designed to capture the qualities of baroque European organs. The hall is designed to complement the organ with a barrel-vaulted ceiling and wooden benches to seat 166 persons.

**Prism Theatre.** The Prism Theatre is an alternative black-box space devoted to student productions.

**Recital Hall.** Located on the fifth floor of the Music Building, the Recital Hall is an intimate 125-seat facility that opens onto a rooftop courtyard.

**Evelyn K. Smith Music Theatre.** As part of the music complex, the Evelyn K. Smith Music Theatre, modeled after the Wagnerian Theatre in Bayreuth, Germany, rises five stories and seats an audience of 500. This theatre is the home of many operatic and musical productions.

**Step Gallery.** Located in the Tempe Center, the Step Gallery is dedicated to exhibitions by undergraduate students.

**Sundome Center for the Performing Arts.** As America's largest single-level theatre, the Sundome Center for the Performing Arts in Sun City West has 7,169 seats. The theatre is equipped with sophisticated, state-of-the-art lighting systems, and a single-span roof affords each seat a clear view. As one of Arizona's premier entertainment venues, the Sundome provides an array of top entertainment from Las Vegas-style concerts to classical ballets to celebrity lectures.

**Television Station KAET.** KAET, Channel 8, is the university's PBS station. Studios of the award-winning station are located in the Stauffer Communication Arts Building. To operate 24 hours a day, KAET employs more than 50 ASU students and interns. To learn more about KAET-TV, access its Web site at [www.kaet.asu.edu](http://www.kaet.asu.edu), or call 480/965-8888.

**University Dance Laboratory.** A flexible performance space within the Nelson Fine Arts Center, the University Dance Laboratory is designed specifically for experimental dance productions. Along with the Dance Studio Theatre in the Physical Education Building East, the University Dance Laboratory is used by the Department of Dance for experimental performances.

**Harry Wood Gallery.** Housed in the Art Building (ART 120), the Harry Wood Gallery provides temporary exhibitions of the visual arts during the academic year. Works by undergraduate and graduate students, as well as the general public, are showcased.

**Gallery 100.** The art gallery is located on the Tempe campus opposite the ASU Bookstore in ECA 100. The exhibition space features art work in a variety of media created by graduating seniors in the School of Art.

## COMPUTING FACILITIES AND SERVICES

Computers are fundamental tools for learning, instruction, and research in every college and department at ASU. The Information Technology (IT) department provides a variety of computing equipment and services available for use by students, faculty, and staff. IT also provides a wide variety of applications, including those required for development, research, and other learning needs. University-wide productivity software and knowledge-sharing resources are accessible through a high-speed campus network and from off campus via the Internet.

A wide range of university information is available online at [www.asu.edu](http://www.asu.edu), the official ASU Web site. Prospective and



## GENERAL INFORMATION

current students can find details regarding undergraduate and graduate degree programs, financial assistance, housing, and student activities. The ASU Web site is also the gateway to many online services, including

1. finding and registering for classes;
2. viewing online grade reports;
3. checking e-mail, accessing courses online, utilizing Web-based university services, and reading customizable content via myASU ([my.asu.edu](http://my.asu.edu));
4. creating personal and course Web pages;
5. viewing campus event calendars;
6. searching the student-faculty-staff directory;
7. browsing general and graduate catalogs; and
8. obtaining information about ASU athletics.

IT provides several service centers, described below, for the ASU academic community.

**Computing Commons.** The Computing Commons building (CPCOM) provides a “technology hub” that draws together students, faculty, and staff from all disciplines on campus in an environment conducive to maximum creative interaction. The building and its facilities have drawn national recognition and acclaim as a model for the support of instruction and research in a technology-based environment. The Computing Commons houses a 254-workstation computing site, seven computer classrooms, one instructor mediated classroom, two Classroom Support Centers, the Customer Assistance Center, the ASU Computer Store, and the Computing Commons Gallery which is described under Performing and Fine Arts Facilities (see “Computing Commons Gallery,” page 32).

**Classroom Support.** Classroom Support provides the campus community with a variety of tools and services to help faculty, staff, and students integrate technology into the educational process at ASU. Support services for university classrooms include technical assistance, instructor training, equipment installation and maintenance; multimedia equipment loans for classroom instruction and faculty-sponsored student projects; equipment and classroom demonstrations of new and current technologies; and hands-on orientation. For more information, access the Web site at [www.asu.edu/classroomsupport](http://www.asu.edu/classroomsupport).

**Computing Sites.** In addition to the Computing Commons Atrium, there are four additional Information Technology computing sites located on the Tempe campus, available for ASU faculty, staff, and students with an ASURITE UserID. Site configurations and hours of operation vary; current information is available on the Web at [www.asu.edu/it/tempe/sites](http://www.asu.edu/it/tempe/sites).

**Computer Accounts.** Computer Accounts, located on the second floor of the Computing Commons in room 202, assists users with account access issues (including lost passwords), disk space quotas, accounts for non-ASURITE services (including mainframe computer access), and other account-related services. Most computing services are accessible through the standard ASURITE UserID and password, available online at [www.asu.edu/asurite](http://www.asu.edu/asurite). Additional

information about Computer Accounts is available on the Web at [www.asu.edu/it/tempe/cac](http://www.asu.edu/it/tempe/cac).

**Customer Assistance Center.** The Customer Assistance Center, located on the second floor of the Computing Commons in room 202, offers a library of reference manuals and other information concerning computing systems and software. Self-paced training is available for various software applications running under the Windows or Unix operating systems. The Customer Assistance Center also distributes some site-licensed software, including computer security software. “Print on demand” help documents are available on the Web at [www.asu.edu/it/quicklook](http://www.asu.edu/it/quicklook). Additional information about the Customer Assistance Center is available on the Web at [www.asu.edu/cacenter](http://www.asu.edu/cacenter).

**Digital Media and Instructional Technologies.** Digital Media and Instructional Technologies (DMIT) is a development center for the effective use of technology in the design and delivery of instruction. Staffed with faculty, researchers, and students skilled in the areas of system design, graphics, interactive software, Web-based instructional design and delivery, and digital video production, this innovation-driven group enables faculty to maximize the impact of their instruction through the use of technology. From this perspective, DMIT fosters technological innovation by serving as a research and development unit, a production group, and a training facility.

DMIT collaborates with faculty in the coordination of cross-disciplinary research and production projects relating to the integration of technology with education. Through partnerships with ASU faculty and researchers, other educational institutions, as well as public and private community entities, grant-writing teams are assembled to leverage support not otherwise available to a single academic unit or faculty member. Central to effective support services is the establishment of a partnership among the various support units within the university. DMIT coordinates the efforts of these groups—which include the School of Extended Education, University Libraries, the Disability Resource Center for Academic Access and Achievement, and the Office for Research and Sponsored Projects Administration—to provide faculty with a wide array of instruction support services.

DMIT offers consultation and workshops tailored toward enhancing the instructional use of technology by the university teaching community. Sessions range from an introduction to technology in education through advanced and customized approaches for instructors in specific programs.

For more information about DMIT, access the Web site at [dmit.asu.edu](http://dmit.asu.edu).

**DMIT Instruction Support Lab.** The Instruction Support (IS) Lab provides an environment in which faculty may seek and receive one-on-one, guided, or independent support for course development and delivery. Expert staff work closely with faculty to refine and develop their skills and confidence in the design and delivery of instruction through a variety of technology-supported means, both synchronous and asynchronous. Located in CPCOM 213, the IS Lab provides faculty, university professionals, and graduate students with a unique opportunity to integrate technology

with instruction. The IS Lab sponsors workshops and demonstrations and serves as a dynamic clearinghouse of information and referrals for effective integration of technology with education. For more information about IS Lab resources, support, and workshops, access the Web site at [dmit.asu.edu/islab](http://dmit.asu.edu/islab).

**Downtown Center at ASU Computer Labs.** The Downtown Center at ASU offers two state-of-the-art computer labs. These facilities feature Pentium IV-class computers with the latest versions of software, high-speed laser printers, a color flatbed scanner, and a ceiling-mounted video projection system. The labs are located in central Phoenix. The center is a unique educational, applied-research, and community-service facility designed to address the multifaceted urban opportunities of the central Phoenix community. For more information, call 480/965-3046, or access the Web site at [www.asu.edu/xed/computerlab](http://www.asu.edu/xed/computerlab).

**Help Desk/Consulting.** The IT Help Desk provides ASU students, faculty, and staff with centralized systems information and first-level assistance in resolving computing problems. The IT Help Desk assists with AFS filespace and permissions for Web sites; communication, e-mail, and virus protection software; file recovery from floppy disks; and computing and equipment problem referral. Services are available by telephone at 480/965-6500, and by walk-in at the Customer Assistance Center, CPCOM 202. For more information, access the Web site at [www.asu.edu/it/tempe/cac](http://www.asu.edu/it/tempe/cac).

## ALUMNI ASSOCIATION

Founded in 1894, the Alumni Association is a volunteer-led organization committed to serve and unite alumni for the purpose of advancing the interests of ASU and its alumni. The association, located in MAIN 200, provides a variety of services for ASU alumni, as well as a series of events scheduled around the country.

With more than 250,000 alumni living in the United States and throughout the world, the association plays an important role as the university's primary support organization. Comprising more than 42 groups, the campus, college, club, and chapter organizations (4Cs) of the association provide opportunities for all alumni to stay involved with the part of ASU that interests them most.

Members of the Board of Directors are elected each spring. For more information about the association or its board of directors, call 1-800-ALUMNUS or 480/965-ALUM (2586), or access the Web site at [www.asu.edu/alumni](http://www.asu.edu/alumni).

## LEARNING AND TEACHING EXCELLENCE

The Center for Learning and Teaching Excellence is dedicated to enhancing teaching and learning possibilities at ASU. To support this mission, the center provides a variety of training, support, and professional development programs for faculty, academic professionals, graduate students who have teaching responsibilities, and academic departments throughout the university. The center's resources and services specifically focus on advancing improvements in student learning, especially the manner in which teachers promote and foster that learning.

Some of the center's goals are

1. assisting faculty, programs, and departments to assess and develop instructional approaches;
2. providing workshops designed to enhance specific instructional practices for all who teach;
3. serving as a clearinghouse of information about activities, events, resources, and projects that may enhance teaching and learning;
4. developing synergistic relationships with existing campus units;
5. providing instructional assistance to new faculty on campus;
6. encouraging reflective use of instructional technologies; and
7. collaborating with other campus units to secure grant moneys for new course development, exploration of innovative teaching methods, and/or research in effective instruction.

For more information, call 480/965-9401.

## LEARNING AND TEACHING EXCELLENCE (LTE)

### LTE 598 Special Topics. (1–4)

*selected semesters*

Topics may include the following:

- Diversity in the Classroom: Prospects and Challenges. (1)
- Improving Teaching Through Assessment. (1)
- Strategies for Effective Lecturing. (1)
- Strategies for Promoting Active Learning. (1)
- Teaching with Technology. (1)
- Teaching with Writing. (1)

**Omnibus Courses.** For an explanation of courses offered but not specifically listed in this catalog, see "Omnibus Courses," page 56.

## RESEARCH CENTERS, INSTITUTES, AND LABORATORIES

See "Research Centers," page 36.