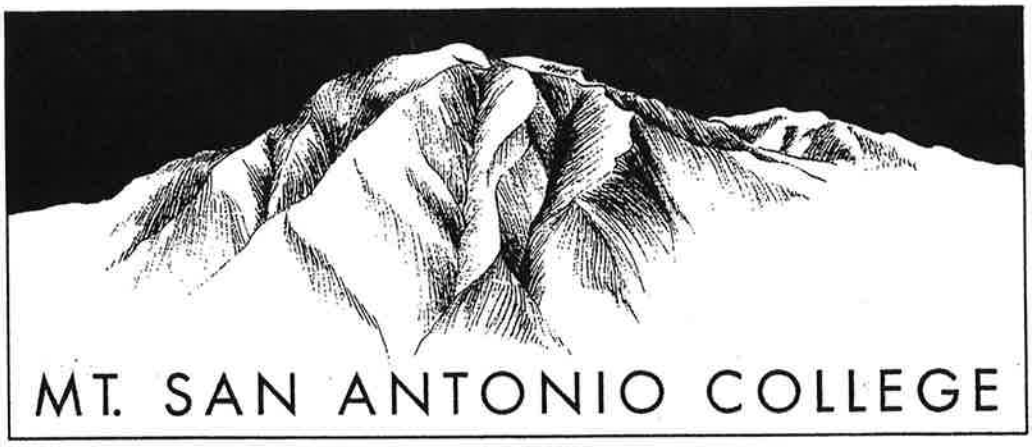

2020 VISION STRATEGIC PLAN

CAMPUS MASTER PLAN BOND PROJECTS

Mt. San Antonio College
2020 Vision Strategic Plan
Campus Master Plan Bond Projects

The list of Bond Projects is the product of the College's 18-month **2020 Vision** Strategic Planning process and the new **Campus Master Plan** that was developed from facilities planning research associated with the work of College's 2020 Vision Task Force. The Task Force of faculty, staff and students worked with a consultant and GPRA architects to produce the most comprehensive Master Plan in the history of the College. As part of the process and prior to facilities planning, a special external environmental scan and a projection of enrollment growth for the next 20 years was conducted. Also taken into consideration were changes in teaching methodology and the deployment of web-based learning and technology across the curriculum. The **2020 Vision Strategic Plan** revealed that 67 of the College's 78 campus buildings are such poor condition that they need major remodeling or replacement. At the same time, the study showed that Mt. SAC currently has critical space shortages resulting in waiting list and cancelled classes. Within five years over 5,000 students will be turned away unless additional classrooms and laboratories are constructed. The following list of Bond Projects addresses the problem of both aging facilities and enrollment growth. These projects will be completed in four phases over the next ten years. The result will be the complete transformation of the campus and the addition of satellite facilities to maintain community and student access to a safe and effective learning environment for the 21st Century.

August 2001

MT. SAN ANTONIO COLLEGE

PROJECT 1 – SCIENCE LABORATORY BUILDING

Replace old, outdated science labs with a new Science Laboratory Building

This project will provide:

1. Removal of the temporary Learning Communities building to prepare the site adjacent to the current Chemistry and Physical Sciences buildings for the new laboratory building.

2. Construction of a new 128,000 SF laboratory building for biology, anatomy, botany, marine sciences, zoology, microbiology, anthropology, histotechnology, chemistry, environmental sciences, astronomy, geology, oceanography, meteorology, physics, physical science, and engineering. Special emphasis will be placed on exemplary systems for health, safety, and environmental sensitivity.

3. Exhibit and demonstration areas, including an interactive "exploratorium" and instructional museum designed to promote scientific inquiry and exploration for students and the general public.

4. Modern instructional laboratories; student collaborative activity areas; faculty, staff, and division offices; meeting and conference rooms; laboratory support areas, including stock rooms, specimen and supply storage, instrumentation and hazardous and pathogen materials control. .

5. Rooftop instructional areas, including astronomical observation center, specimen greenhouse, meteorological receiving stations, and demonstration solar panel array.

6. Site work that will include walkways, emergency vehicle access, electric vehicle charging stations for energy conservation, handicap access, a student amphitheater, a biology stock pond, and landscaping in support of earth and life science instruction.

7. Instructional equipment, laboratory instrumentation, classroom technology, and furnishings to support science programs.

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PROJECT 2 – WORKFORCE TRAINING CENTER

Construct new Workforce Training Center to meet the job training needs of the business and industry community

This project will provide:

1. A new 28,500 SF Workforce Training and Conference Center that will be the focal point on campus for training services to business, industry, and government.

2. Interdisciplinary, business and computer laboratories.

3. Food services laboratories, a demonstration kitchen and dining facilities.

4. Conferencing facilities, faculty and staff offices, and technological support.

5. Site work that will include walkways, emergency vehicle access, handicap access, parking for 300 cars, and landscaping.

6. Instructional equipment and furnishings to support business programs and conferences.

7. Customized training and services to employers through The Training Source (contract education) office.

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PROJECT 3 – CAMPUS-WIDE ENERGY CONSERVATION PROGRAM

Reduce energy use by 35% by completing a campus-wide energy conservation program

This project will provide:

1. Efficient College energy use and adequate electric service to support its instructional programs and support services.

2. Construction of a central plant for campus-wide cooling and heating.

3. Modern, energy-efficient and digitally controlled air distribution systems throughout campus buildings.

4. An automatic, centralized irrigation control system to conserve water.

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PROJECT 4- OFF-CAMPUS LEARNING CENTERS

Improve educational opportunity and access by establishing two new off-campus Neighborhood Learning Centers – one in Pomona and one in the Baldwin Park/La Puente/Hacienda Heights area.

This project will provide:

1. Two new Neighborhood Learning Centers, one to the east of the main Walnut campus and one to the west. Each Center will be approximately 20,000 SF. These Centers will either be in remodeled existing buildings or in new buildings depending on space availability, optimal cost/benefit analysis and neighborhood need.

2. The Centers will have classrooms equipped with appropriate technology to support instruction in English, English as a second language, American language, reading, math, business, child development, health careers, electronics, computer graphics, Spanish, and computer systems.

3. Faculty and staff offices, meeting and conference rooms; staff and lab preparation areas; and spaces designed for student collaborative activities.

4. Depending on the sites selected, site work may include walkways, emergency vehicle access, handicap access, utilities, communication systems, parking, and landscaping.

5. Instructional equipment and furnishings to support the academic programs listed above.

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PROJECT 5 – AGRICULTURAL SCIENCE

Expand and improve the College Farm by constructing agricultural science classrooms and laboratories, by modernizing farm buildings, and by improving the farm site to better serve growing partnerships with Cal Poly and the community.

This project will provide:

1. Removal of the temporary English as a Second Language building to prepare the site for The College Farm expansion and improvements. Removal of substandard student housing trailers, deteriorating animal unit structures and small agricultural laboratory units that will be vacated through the proposed construction of this project.

2. Construction of a new 40,000 SF classroom and laboratory building for the Agriculture Department which offers horticulture, animal science, and registered veterinary technology programs.

3. Modern instructional laboratories and classrooms with spaces designed for student collaborative activities; faculty and staff offices, meeting and conference rooms; laboratory support and storage areas; animal surgery and radiology facilities; showers and locker rooms.

4. Environmentally responsible farm buildings including production and demonstration greenhouses; landscape construction, irrigation and water technology facilities; large animal barns and pastures/pens/paddocks for beef, swine, sheep, horses and exotic animals; a vivarium for small animals; an avian rehabilitation center; and sheltered storage structures for farm equipment.

5. Housing for full-time students responsible for weekend and evening animal care.

6. A College Farm Store operated as a student enterprise to provide merchandising experience with agricultural and horticultural products raised and grown on The College Farm.

7. Architectural enhancements will integrate farm buildings with a common theme. Landscaping and hardscape enhancements will define a new, self-paced Agricultural Literacy Trail for public education.

8. Site work that will include signage, information kiosks, walkways, roadways, emergency vehicle access, handicap access, parking, bus turnouts, pastures, fields, fencing, and landscaping. Shade for the Agricultural Literacy Trail may be provided by trees, trellises or arcades.

9. Instructional equipment and furnishings to support agricultural and veterinary science programs.

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PROJECT 6 – CHILD DEVELOPMENT CENTER/EARLY CHILDHOOD LEARNING LAB

Expand, consolidate and improve the Child Development Center and create an Early Childhood Education Laboratory.

This project will provide:

1. Demolition of three temporary Child Development Center buildings to prepare the site for construction and improvements.

2. Construction of a new 42,000 SF building that houses child development classrooms, laboratories, observation spaces, and all required facilities for providing child care for up to 300 children, ages birth to 5 years old. This facility will meet all State licensing requirements and will serve as a model for combining child care training programs with child care services.

3. College classrooms with observation windows to adjacent child care areas in order to offer on-site psychology and nursing classes in childhood development.

4. Faculty and division offices, meeting and conference rooms; staff and lab preparation areas; children's meal preparation and serving spaces to provide three meals a day; nursing and isolation areas for infants and children; and spaces designed for student collaborative activities. Support facilities will also include specialized bathrooms for small children.

5. Site work that will include walkways, roadways, emergency vehicle access, parking enhancements for a convenient drop-off parking area, handicap access, play areas, fencing, and landscaping.

6. Instructional equipment and furnishings to support child development and early childhood education programs.

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PROJECT 7 – CAMPUS CLASSROOM IMPROVEMENTS

Renovate natural science, social science, English, communication, American language, foreign language, art history and mathematics classrooms that do not meet current educational standards for safety, efficiency and effectiveness.

This project will provide:

1. Approximately 50,000 ASF of renovated classrooms for natural science, social science, English, communication, American language, foreign language, art history, and mathematics.

2. Efficiently sized and energy efficient classrooms that can adapt to unique technologies appropriate to each program. Large self-paced computer labs for the study of mathematics and writing. Specialized labs for such programs as psychology and journalism.

3. Construction of classrooms needed to meet student demand for mathematics.

4. Faculty and division offices, meeting and conference rooms and spaces designed for student collaborative activities.

5. Renovation of outdated and inefficient building mechanical, electrical, communications, data, and audio-visual systems.

6. Instructional equipment and furnishings to support natural science, social science, English, communication, American language, foreign language, art history, and mathematics programs.

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PROJECT 8 – BUSINESS/COMPUTER LAB REMODEL

Remodel a thirty-year old "row" building for Business classrooms and computer laboratories.

This project will provide:

1. Remodeling and renovation of approximately 9,000 SF in the former Agricultural Science classroom building after the completion of Project 5.

2. Seismic strengthening and safety upgrades to the structure.

3. Efficiently sized and energy efficient classrooms that can adapt to unique technologies appropriate to each program, including computer information systems laboratories, demonstration areas, and business classrooms.

4. Faculty and division offices, meeting and conference rooms; staff workspaces; network server and telecommunications support spaces; and spaces designed for student collaborative activities.

5. Site work that will include walkways, emergency vehicle access, parking, handicap access and ramps due to extreme grade changes, and landscaping.

6. Instructional equipment and furnishings to support business and computer information systems programs.

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PROJECT 9 – BUSINESS & COMPUTER TECHNOLOGY CENTER

Demolish World War II – era "row" buildings and construct a new Business and Computer Technology Building

This project will provide:

1. Demolition of four World War II - era row buildings which are safety and seismic hazards and which are not economical to renovate. Preparation of this site for new construction.

2. Construction of a new 98,000 SF classroom building adjacent to Project 8 to form a Business Complex.

3. Efficiently sized and energy efficient classrooms that can adapt to the unique technologies appropriate to each program, including business administration, accounting, management, computer information systems, office technology and family and consumer sciences.

4. Faculty and division offices, meeting and conference rooms; staff workspaces; network server, teleconferencing and telecommunications support spaces; and spaces designed for student collaborative activities.

5. A law library, courtroom lab, and caucus rooms to support the paralegal program.

6. Restaurant- hospitality labs, a small restaurant for training in the food services program and a fashion-interior design display gallery.

7. Site work that will include walkways, roadways, emergency vehicle access, parking, handicap access, and landscaping.

8. Instructional equipment and furnishings to support business, computer information, office technology, and family and consumer sciences programs.

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PROJECT 10 – DESIGN & ON-LINE TECHNOLOGY CENTER

Construct new Design and Online Technology Center to consolidate computer-based design programs such as animation, architecture, graphic arts, photography, and GIS (geographic information systems). This facility will also provide technical support for our rapidly expanding on-line programs and services.

This project will provide:

1. Demolition of two rented, modular units which are used for the graphics arts program.

2. Construction of a new 82,000 SF studio, exhibition, and classroom building with connections to the classroom building which will be renovated in Project 7.

3. Highly-secure, state-of-the art computer-based design studios for animation, architecture, graphics arts, photography, and GIS. A shared student computer studio for independent study of design, collaborative and interdisciplinary student design projects, and for the practice, display and review of student design skills.

4. Computer-based digital and wet labs for photography, photography studio, photographic waste recovery support systems appropriate for hazardous materials. Specialized classrooms to support animation, architecture, graphic arts, photography, and GIS.

5. An exhibition gallery with projection capability for the animation program and a teleconferencing facility to connect college programs with the design community.

6. An online instruction resource center for the development and support of all College computer- based instructional materials. This facility will include a training center, web page and curriculum development resources, and on-line student support services, such as on-line tutoring.

7. Support spaces for data processing, telecommunication systems, and network servers.

8. Faculty and staff offices, meeting and conference rooms; staff and studio preparation areas; and spaces designed to promote interdisciplinary design teams. Faculty offices will be in close proximity to the computer studio to encourage faculty and student collaboration. Conference spaces will be designed to connect instructional programs with the design community.

9. Site work that will include landscaping, walkways, emergency vehicle access, handicap access, parking expansion and improvements to accommodate additional cars and increased traffic flow.

10. Instructional equipment and furnishings to support computer-based design programs.

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PROJECT 11 – PHYSICAL EDUCATION/WELLNESS FACILITY

Replace 50-year old gym with new Physical Education/Wellness facilities and remodel existing physical education buildings

This project will provide:

1. Construction of a new 76,000 SF Physical Education and Wellness facility adjacent to the College pool and locker rooms.

2. Demolition of the irreparable gymnasium which was constructed in 1950.

3. Replacement of the old gymnasium with a gymnasium equipped for indoor sports, including wheelchair events. The new gymnasium will include improved spectator seating and facilities for the broadcast of athletic competitions.

4. Training and rehabilitation spaces for team sports.

5. Support spaces for physical education and athletic programs such as laundry, equipment storage, concessions, ticket sales, and trophy display.

6. A pedestrian bridge that will link the athletic fields south of Temple with the facilities north of Temple.

7. New and improved athletic facilities for championship competition: men's baseball, women's softball.

8. New dance studios to replace those demolished in Project 14.

9. Expanded parking for an additional 225 cars adjacent to the men's field.

10. Faculty and division offices, meeting and conference rooms; staff preparation areas; and spaces designed to promote athletics, lifelong fitness, and wellness concepts.

11. Site work that will include landscaping, walkways, emergency vehicle access, handicap access, and parking improvements to accommodate additional cars and increased traffic flow.

12. Instructional equipment and furnishings to support athletics, physical education, lifelong wellness, and an expanded role within our community.

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PROJECT 12 – CAMPUS CENTER

Construct new Campus Center to replace 70-year old Campus Café, Mountie Grill, and temporary Express Stop facility and to provide a centralized place on campus for student life activities and community functions

This project will provide:

1. Demolition of 1930's Campus Café, Mountie Grill, and temporary Express Stop.

2. Demolition of 1950's era Row Buildings which are safety and seismic hazards and which are not economical to renovate. Preparation of this site for new construction along Miracle Mile, in the center of the campus.

3. Construction of a new 50,000 SF Campus Center which will include meeting rooms for College and community organizations, offices for student and staff organizations, and student health services facilities (examination, treatment, education, prevention, and offices).

4. Large banquet and dining facility for special campus and community events.

5. Commercial kitchen, large food court, catering and dining facilities for 600 guests. Flexible spaces to accommodate meetings of various sizes.

6. A Center for Student and Campus Life.

7. Site work that will include landscaping, walkways, emergency vehicle access, handicap access, and parking improvements to accommodate additional cars and increased traffic flow.

8. Appropriate equipment and furnishing to support student organizations, students, campus and community meetings.

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PROJECT 13 – STUDENT SUPPORT SERVICES RENOVATIONS

Renovation of student support services spaces

This project will provide:

1. Redesign of existing circulation spaces to increase usable space for student services.

2. Additional offices and storage space for student files.

3. Redesign of admissions, counseling, career placement, transfer, assessment, re-entry, outreach and financial aid service areas.

4. Building-wide data systems for computer networks and internet access. Building-wide communication systems such as electronic bulletin boards, public information systems, kiosks, and online access.

5. Improved sound attenuation between work and service spaces for a more efficient work environment and improved student privacy.

6. Increased building security and improved protection of student confidential files.

7. Repair and replacement of deteriorating interior finishes.

8. Remodel existing Health Services space to relieve overcrowding of other Student Services.

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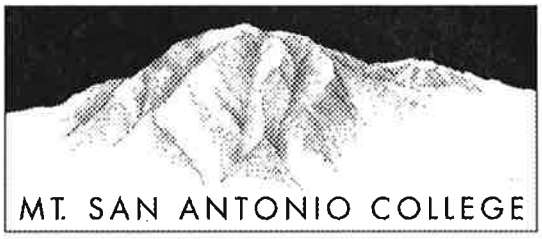

PROJECT 14 – WELDING/AIR CONDITIONING PROGRAMS

Classrooms and laboratories for welding and air conditioning instructional programs

This project will provide:

1. Demolition of existing, deteriorating welding, dance, air conditioning facilities which were constructed in the 1940's. Site preparation of this area for improved parking serving Project 12.

2. Either construction of a new welding and air conditioning instructional spaces or remodeling space in the existing Technology building to accommodate the programs depending on results of a cost/benefit analysis.

3. Special power and exhaust systems to support smart classrooms and laboratories for welding, air conditioning and refrigeration.

4. Faculty and staff offices, meeting and conference rooms; staff preparation areas; and spaces designed to promote occupational training programs.

5. Site work that will include landscaping, walkways, emergency vehicle access, handicap access, and parking improvements to accommodate additional cars and increased traffic flow.

6. Instructional equipment and furnishings to support welding, air conditioning, and refrigeration programs.

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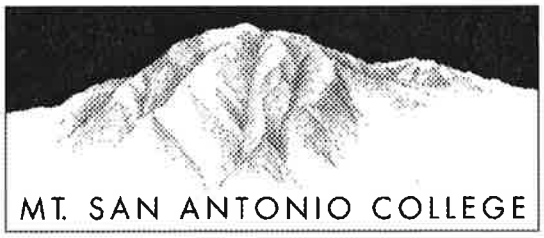

PROJECT 15 – ENGLISH AS A SECOND LANGUAGE BUILDING

Replace temporary English as a Second Language (ESL) facility with a permanent and larger ESL building to accommodate student demand.

This project will provide:

1. Demolition of temporary ESL building located on the College Farm.

2. Construction of a new 50,000 SF ESL technologically smart general classroom and laboratory facility with student study spaces.

3. Faculty and administrative offices, meeting and conference rooms; staff preparation areas; interview rooms, a vending machine/convenience center, and a reception area with a children's corner.

4. Site work that will include landscaping, walkways, emergency vehicle access, handicap access, and parking improvements to accommodate additional cars and improved traffic flow.

5. Instructional equipment and furnishings to support ESL.

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PROJECT 16 – HEALTH CAREERS CENTER

Construct a new Health Careers building to consolidate rapidly expanding health care programs

This project will provide:

1. Demolition of temporary health career facility serving mental health and nursing programs. Relocation of these programs into newly constructed facility.

2. Construction of a new 60,000 SF technologically smart general classroom and laboratory facility with student study spaces to support training for licensure in health careers. This facility will simulate a hospital environment and will closely link faculty offices to classrooms.

3. Relocation of EMT/paramedic, radiology technician and respiratory therapist programs to consolidate all health programs. This consolidation will support teamwork and the sharing of resources. Remodel and renovation of spaces in Technology building for general classroom use.

4. Faculty and administrative offices, meeting and conference rooms; staff preparation areas; flexible lecture spaces, and shared resource rooms.

5. Expansion of the Health Careers Resource Center which provides resource materials, skills practice, and a variety of both credit and noncredit specialized health care educational programs.

6. Site work that will include landscaping, walkways, emergency vehicle access, handicap access, and parking improvements to accommodate additional cars and improve traffic flow.

7. Instructional equipment and furnishings to support health career programs.

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PROJECT 17 – CAMPUS-WIDE IMPROVEMENTS

Implementation of campus-wide improvement projects, providing campus-wide access for persons with disabilities, incorporate campus-wide consistency in purchasing and maintenance, computerization of keying system to reduce costs, and user-friendly signage; elimination of unsafe classrooms; upgrading of campus technology infrastructure, and provision of additional parking to accommodate student growth.

This project will provide:

1. Scheduled maintenance matching funds for State funded maintenance projects (50% College, 50% State match):
   a. Repair and replace roofing
   b. Repair, replace, and upgrade utilities (electrical, lighting, alarm, water, sewer, drainage, data and communications systems, and energy management systems).
   c. Repair, replace, and upgrade mechanical systems (chillers, boilers, cooling towers, air handlers)
   d. Repair and maintain exteriors (masonry, stucco, siding, doors, waterproofing, painting)
   e. Other critical needs (erosion control, fencing, walkways, flooring)
2. Campus-wide access to persons with disabilities.
3. Renovation and upgrading telecommunications and campus networking infrastructure.
4. Implementation of a parking master plan to address the growth of college enrollments.
5. Implementation of a security master plan that includes a swipe-card lock system to eliminate the need for expensive re-keying and to enhance building security.
6. Established construction standards to reduce purchasing costs and to increase maintenance efficiency.
7. Campus signage in compliance with ADA requirements and to improve traffic flow and safety:
   a. Building identification and entry
   b. Room, office and restroom identification
   c. Elevator, stairwell, exit and evacuation routes
   d. Campus entrances
   e. Directions for vehicles, parking lot identification, shuttle and bus stop signs
   f. Pedestrian maps and directories
8. Expansion of growing music program by adding 8,000 SF to the existing Performing Arts Center. This expansion provides acoustically safe instrumental music rehearsal and practice spaces.
9. Implementation of an environmentally responsible landscaping master plan.