

FACILITIES RECOMMENDATIONS

OVERVIEW

The essence of Mt. SAC’s mission is “to support all students in achieving their educational goals in an environment of academic excellence.” The College’s facilities play a very important role in providing this environment by supporting the learning and working activities that occur on the campus and in its community. This chapter recommends land-use concepts and projects that would improve Mt. SAC’s facilities. These improvements would better support the ways that the College’s mission will be achieved in the next decade and beyond, as envisioned by the many voices that have informed this EFMP.

INTEGRATED PLANNING

These facilities planning recommendations are linked to the EFMP’s educational planning as well as existing facilities and site conditions on campus—as described in Chapter 7: *Existing Facilities and Site Analysis* and Chapter 8: *Environmental Analysis*. These links are described in Chapter 9: *Framework for Facilities Recommendations* and demonstrate the ways that the facilities recommendations are informed by themes from the master plan interviews with faculty and staff, by the input of students and community members, and by space planning standards based on the Colleges’ projected enrollment.

The facilities recommendations are described in the following categories.

- o Campus-wide Projects—Campus-wide facilities improvement initiatives with a specific focus. These initiatives could be implemented flexibly through adding scope to major new

building projects, major renovations, and other facilities projects, or through dedicated projects

- o New Major Buildings—Capital construction projects that build major new facilities
- o Major Renovations—Capital construction projects that renovate existing facilities
- o Other Facilities Projects—Minor construction projects that build new facilities or renovate and repair existing facilities

ENVIRONMENTAL SUSTAINABILITY

The facilities planning recommendations are also linked to building construction and renovation project recommendations in Mt. SAC’s *Climate Action Plan*. These recommendations are summarized in the *2018 Climate Action Plan Sustainability Objectives*, (presented in Chapter 9: *Framework for Facilities Recommendations*). The College will periodically update its sustainability recommendations to reflect progress toward its goal of carbon neutrality.

Chapter 10: *Facilities Recommendations* focuses on long-term, big picture concepts that are intended to be flexible and that will remain valid over time. While the graphics in this chapter may appear specific, they are conceptual sketches that illustrate general locations, adjacencies, and sizes of recommended facilities. The final design of each recommended facilities project will take place as it is funded, and a detailed program and design will be developed with the participation of College-defined stakeholders.

FACILITIES RECOMMENDATIONS

2018 FACILITIES MASTER PLAN

This EFMP envisions the use of the Mt. SAC campus as shown in the Recommended Land Use Plan on the opposing page. These land uses organize campus development in a manner that promotes collaboration, efficient operation, wayfinding, and access. Land uses are paired with land areas to make the highest and best use of the campus.

AGRICULTURAL ZONE

This zone will continue to house laboratories for the Agricultural Sciences Programs. The EFMP recommends projects that will improve its utilization and organization, and complete the infrastructure systems that support its use.

AGRICULTURAL RETAIL ZONE

As it has for many years, this zone will continue to accommodate the sale of produce from Mt. SAC's Farm, such as christmas trees, pumpkins, and nursery plants. Any permanent development within this zone will be planned in collaboration with the City of Walnut.

AGRICULTURAL/SUSTAINABLE DEVELOPMENT ZONE

This zone will incorporate contouring and landscaping elements to create visually appealing and environmentally friendly rolling pasture lands. In the long-term, options linked to curriculum and educational planning will be explored for sustainable development of this area.

ATHLETICS AND SUPPORT ZONE

This zone is intended for all of Mt. SAC's kinesiology, wellness, and athletics facilities, as previously planned. The EFMP recommends projects that continue the co-location of these

currently-dispersed facilities into a portion of the campus that is dedicated for their use.

LAND MANAGEMENT AND ATHLETICS ZONE

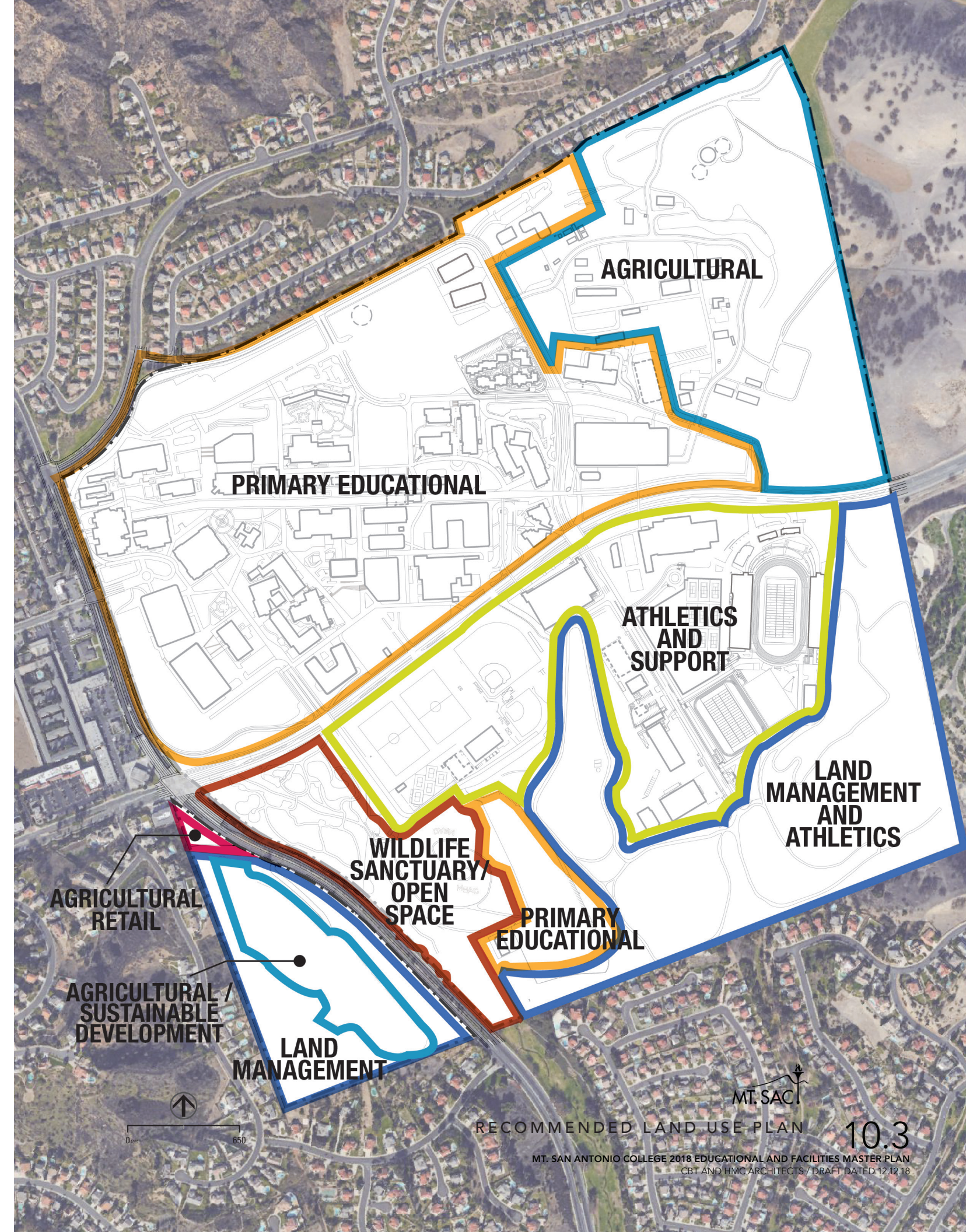
The land in this zone will continue to serve many uses—as the setting for Mt. SAC's cross-country course, as grazing pastureland for the Agricultural Sciences and Animal Science Programs, and as natural open space—and will be preserved for the possibility of more intensive use in the future. The portions of this zone located on the West Parcel and protected by the Declaration of Restrictive Covenants will continue to provide high quality habitat for sensitive animal and plant species such as the California gnatcatcher, coastal cactus wren, Venturan coastal sage scrub, and mule fat scrub in perpetuity.

PRIMARY EDUCATIONAL ZONE

This zone is intended for educational programs and services, with the exception of instructional laboratories for agricultural sciences, kinesiology, wellness, and athletics. The EFMP recommends projects that will develop additional facilities for these purposes. It recommends the expansion of the portion of this zone that lies to the south of Temple Avenue. This expansion will provide additional space adjacent to new educational facilities in this area.

WILDLIFE SANCTUARY / OPEN SPACE ZONE

This zone will continue to provide students and visitors with unique learning experiences within natural environments that are becoming increasingly scarce in Mt. SAC's community context. The EFMP recommends projects to improve the Wildlife Sanctuary by protecting and preserving it and by supporting its uses.



2018 FACILITIES MASTER PLAN

BUILDING KEY

ID No.	BUILDING NAME	ID No.	BUILDING NAME	ID No.	BUILDING NAME
1B/C	Art Center / Gallery	60	Science Laboratories	F9	Livestock Pavilion
2T/M	Performing Arts Center	61	Math and Science	F10	Building F10
4	Administration	66	Language Center	FA	Fine Arts
6	College Services	67A	Health Careers Center	G1	Greenhouse
6A	Information Kiosk	67B	Health Careers Center	G2	Greenhouse
7	Science South	69	Welding, Heating/Air Conditioning	G4	Greenhouse
8	Mountie Café	70-73	Child Development Complex	G5	Greenhouse
9B	Student Services	77-79	Business and Computer Technology	G7	Greenhouse/The Conservatory
9E	Student Success Center	80	Agricultural Science	HH	Heritage Hall
10	Founders Hall	BF	Brackett Field (Off Campus)	LLR	Library/Learning Resources
11	Science North	AE	Adult Education	MS	Makerspace
12	Building 12	AUD	Auditorium	NC	Nature Center
12C	Elevator Tower	BH	Block House	PEC	Physical Education Complex
13	Design Technology	BK	Bookstore	PEP1	Physical Education Projects: Phase 1
23	College Services	CS	Campus Safety	PS-B	Parking Structure B
23A	Data Center	CT	Communications Tower	PS-F	Parking Structure F
26A	Humanities/Social Sciences North	DL	Dry Lot Shade Structure	PS-R	Parking Structure R
26B	Humanities/Social Sciences East	EHB	Equine Hay Barn	PS-S	Parking Structure S
26C	Planetarium	F1	Horticulture Unit	RD	Reuse Depot
26D	Humanities/Social Sciences South	F1A	Sherman Park Restrooms	SC	Student Center
28A/B	General Instructional Space	F2A	Farm Offices	SCE	School of Continuing Education
29	Central Plant	F2B	Horticulture Storage	SCI	Science
40	Building 40	F2C	Irrigation + Landscape Construction	SS	Storage Shed
44	Athletics Modular	F3	Equipment Barn	SSN	Student Services North
45	Kinesiology/Athletics/ Dance	F4A	Swine Market Pens	TC	Transit Center
46	Emergency Operations Center	F4B	Swine Farrowing House	TE	Technical Education
47	Facilities Planning + Management / Maintenance + Operations	F5A	Vivarium	TES	Thermal Energy Storage System
48	Receiving/Transportation	F5B	Small Animal Care Unit	TS	Tool Shed
51	Athletics Storage	F6A	Equine Breeding Barn	WT	Water Tank
		F6B	Equine Mare Motel		
		F6C	Equine Hay Barn		
		F7	Farm Storage		
		F8	Hay Barn		

LEGEND

---	PROPERTY LINE
▬	EXISTING PERMANENT FACILITIES
- - -	EXISTING TEMPORARY FACILITIES
■	NEW MAJOR BUILDINGS
■	PARKING STRUCTURES
■	MAJOR RENOVATIONS
■	MINOR PROJECTS
●	EXISTING UTILITIES INFRASTRUCTURE (UNDERGROUND)
●	NEW UTILITIES INFRASTRUCTURE (UNDERGROUND)





CAMPUS-WIDE PROJECTS

FACILITIES RECOMMENDATIONS

CAMPUS-WIDE PROJECTS

INDEX

- o Collaborative Office Suites
- o Energy
- o Informal Student Spaces
- o Learning Environments
- o Public Art
- o Universal Design
- o Utilities Infrastructure
- o Wayfinding

FACILITIES RECOMMENDATIONS

CAMPUS-WIDE PROJECTS

Campus-wide Projects respond to broad facilities-related initiatives with strategies that would be implemented throughout Mt. SAC's campus. The description of each project demonstrates its linkage to educational planning needs by listing the master plan themes to which it responds. Whether they are about public art, informal student spaces, enhanced learning environments, or universal design, these projects would enhance the environment of academic excellence that Mt. SAC provides to its students.

Because the scope of these projects covers the entire campus, the EFMP recommends a flexible approach. Implementation could occur in one phase, in several phases, or as part of other projects. Each campus-wide project would include an initial study and stakeholder discussions to identify detailed needs, set objectives, and select an approach to the design and implementation of the project.

Because these projects could be implemented step-by-step through individual facilities and site improvement projects, it is important for readers of the EFMP that are involved in the programming, budgeting, design, and construction of these projects—such as administrators, construction program and project managers, students, faculty, and staff serving in user groups, and design professionals—to understand the objectives of the campus-wide projects and to seek opportunities to incorporate them into individual projects.



FACILITIES RECOMMENDATIONS: CAMPUS-WIDE PROJECTS

COLLABORATIVE OFFICE SUITES

Campus-wide Collaborative Office Suites would support the following Master Plan Themes.

INSTRUCTIONAL PROGRAMS

- o Theme #1: Expand intrusive/ or proactive counseling and tutoring to increase student completion of courses, degrees, and certificates
- o Theme #3: Expand interdepartmental collaboration to leverage resources and enrich student understanding

STUDENT SERVICES

- o Theme #1: Create a welcoming and inclusive environment that promotes student engagement and academic success
- o Theme #5: Achieve a balance of course offerings and integrated student services across the campus
- o Theme #6: Build and expand facilities that establish environments that are welcoming and safe, value open access, and promote active student engagement

ADMINISTRATIVE SERVICES AND HUMAN RESOURCES

- o Theme #1: Maintain services while adapting to a rapid pace of changes in regulations, equipment, and emerging technologies
- o Theme #2: Increase services to accommodate College-wide growth
- o Theme #3: Expand the quality of services

PRESIDENT'S CABINET

- o Theme #1: Expand and support innovation in teaching, learning, support, and management within the College

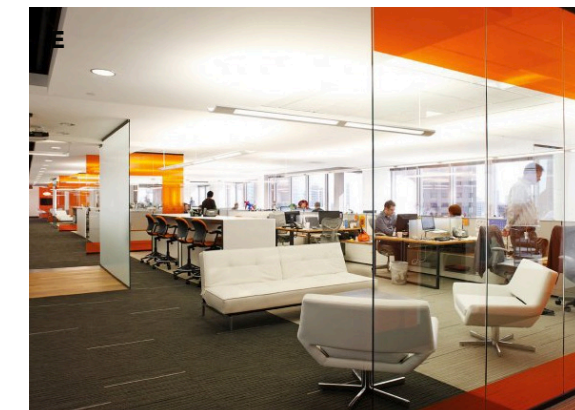
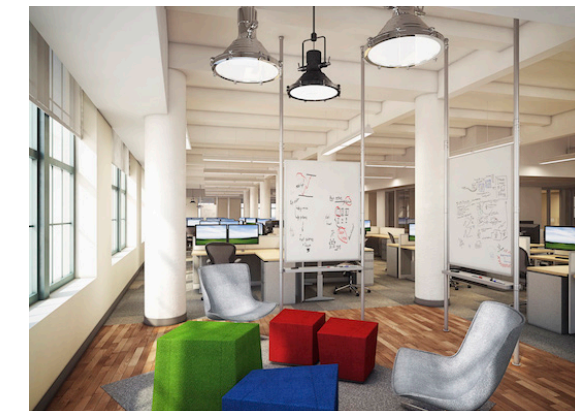
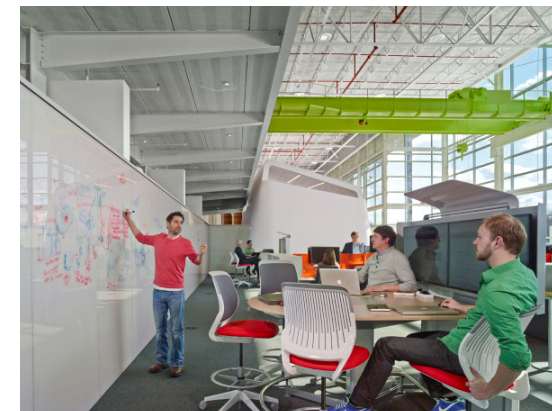
These projects would provide a collaborative office suite for each instructional division, co-located with faculty offices and a learning center. Space could be reconfigured or repurposed in existing buildings, or provided in new buildings. These projects would be implemented as major new building or major renovation projects.

These projects would be intended to provide students with “go to” places, embedded among classrooms and class laboratories, where they could receive additional support to help them to succeed in college. They would be located close to instruction to reach students that may not have the time or knowledge to seek these services. Because these places would naturally be the best locations for faculty to have offices where they would be available to students, these suites have the potential to become hubs for intra- and interdepartmental collaboration.

These collaborative office suites would be designed to provide space for students, faculty, and staff to hang out and interact. These include open areas among clusters of offices, widened alcoves in hallways, meeting rooms for both small and large groups, and outdoor courtyards. Their key amenities would include adequate but comfortable lighting, furnishings, Wi-fi, power outlets, and shade for outdoor spaces.

The impact of these collaborative office suites would be maximized by co-locating them with Instructional Division Offices and Learning Centers with open computer labs and by placing them in highly visible locations where the interest of passing students would be piqued by the activity and displays featuring student work.

Images of similar facilities at other colleges:



FACILITIES RECOMMENDATIONS: CAMPUS-WIDE PROJECTS

ENERGY

Campus-wide Energy projects would support the following Master Plan Themes.

ADMINISTRATIVE SERVICES AND HUMAN RESOURCES

- o Theme #1: Maintain services while adapting to a rapid pace of changes in regulations, equipment, and emerging technologies
- o Theme #2: Increase services to accommodate College-wide growth
- o Theme #3: Expand the quality of services

PRESIDENT'S CABINET

- o Theme #2: Ensure fiscal stability and effective and efficient use of resources

Instruction, Student Services, and college life are increasingly dependent on maintaining a technology-rich campus environment. Energy systems will be relied on to power communication and information systems, instructional technologies, indoor and outdoor lighting, building ventilation, security and life-safety systems, and the campus fleet of vehicles. As enrollment grows, how Mt. SAC uses energy will impact the cost of its energy and its carbon footprint.

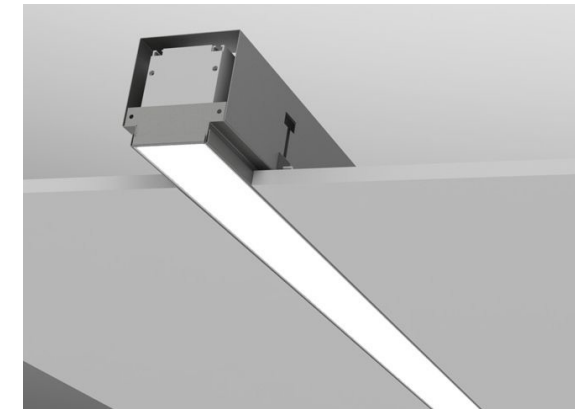
Energy projects would focus on two objectives. The first would be to reduce Mt. SAC's energy use. Facilities construction projects would enable new and renovated buildings to be designed for optimal energy efficiency using strategies that harness environmental and climate conditions, such as daylight harvesting, passive solar heating, and natural ventilation. Mt. SAC's LEED-certified buildings are good examples of energy efficient design.

The second objective would be to obtain and manage the use of reliable and affordable sources of energy to help Mt. SAC meet its climate action commitment. To achieve this objective, the Campus-wide Energy projects would begin with an update of Mt. SAC's *Campus Utilities Infrastructure Plan*. This plan would project the College's future energy needs, investigate the costs and benefits of alternative energy strategies, and recommend projects that would meet targets that have been identified through Mt. SAC's *Climate Action Plan*. For example, the *Campus Utilities Infrastructure Plan* will study the integration of solar power on the campus to achieve Mt. SAC's current goal of building an additional 4–6.5 megawatts of electrical generating capacity. Rooftop photovoltaics (PV) on both new buildings and parking structures and ground-mounted PV on surface parking lots will be explored. It will also study the integration of energy storage and management systems, such as a campus-wide microgrid that would provide the College with smart-grid technology to efficiently manage the distribution of power from all sources to all uses.

Mt. SAC's existing central cooling plant and thermal energy storage tank have been successfully providing the campus with energy efficient space cooling. The *Campus Utilities Infrastructure Plan* would establish the additional space cooling capacity needed by the growing campus and would study and identify the location of an additional chiller and cooling tower, most likely in the Library/Learning Resources facility.

For more information, please refer to the Next Steps For Implementation section in Chapter 12: *Implementation* and the Utilities Infrastructure section in the *Appendix*.

Images of similar facilities at other colleges:



INFORMAL STUDENT SPACES

Informal Student Spaces projects would support the following Master Plan Themes.

INSTRUCTIONAL PROGRAMS

- o Theme #3: Expand interdepartmental collaboration to leverage resources and enrich student understanding
- o Theme #5: Expand opportunities for experiential learning to increase student equity, engagement, retention, and success

STUDENT SERVICES

- o Theme #1: Create a welcoming and inclusive environment that promotes student engagement and academic success
- o Theme #6: Build and expand facilities that establish environments that are welcoming and safe, value open access, and promote active student engagement

PRESIDENT'S CABINET

- o Theme #5: Ensure access, equity, and completion of educational goals for all current and future Mt. SAC students

Many themes from the master plan interviews recognize the importance of engaging students through programs and services that would be housed with space for student interactions with their peers, faculty, and staff. The importance of providing informal student spaces cannot be underestimated as a way to encourage students to stay on the campus and participate in all that Mt. SAC offers.

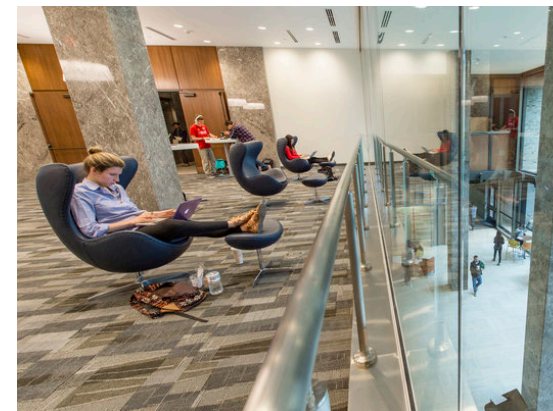
This view is supported by the opinions of students that participated in the EFMP Student Focus

Groups. As noted in Chapter 9: *Framework for Facilities Recommendations*, students expressed their desire for a variety of spaces that include spaces for quiet study, spaces with a moderate noise-level where students can work individually and in groups, and spaces for recreation and social gathering. They stressed the importance of including access to food options, Wi-Fi, and electrical outlets in these spaces.

Campus-wide informal student spaces would seek every opportunity to provide space for students to hang out and interact with others, such as alcoves in hallways and seating areas in lobbies. Outdoor opportunities would include portions of plazas and courtyards, and paved nodes along paths and next to buildings. The College has initiated a few examples with great success, including the Atrium in Building 6 and spaces throughout Math and Science Building 61.

These projects would seek opportunities to encourage students to hang out close to services and near faculty and staff that they may be waiting to see. The spaces would be designed in keeping with the character of the surrounding programs, with regard to noise level, number of occupants, and types of furnishings. Key amenities would include adequate, but comfortable lighting, seating and other furnishings, Wi-Fi, power outlets, and shade for outdoor spaces. Opportunities to offer modest food options, such as coffee and snack carts and vending machine kiosks would be considered. Opportunities would be sought to implement this project in every major new building, renovation, and site improvement project.

Images of similar facilities at other colleges:



FACILITIES RECOMMENDATIONS: CAMPUS-WIDE PROJECTS

LEARNING ENVIRONMENTS

Campus-wide Learning Environments projects would support the following Master Plan Themes.

INSTRUCTIONAL PROGRAMS

- o Theme #1: Expand intrusive/ or proactive counseling and tutoring to increase student completion of courses, degrees, and certificates
- o Theme #3: Expand interdepartmental collaboration to leverage resources and enrich student understanding
- o Theme #5: Expand opportunities for experiential learning to increase student equity, engagement, retention, and success

STUDENT SERVICES

- o Theme #1: Create a welcoming and inclusive environment that promotes student engagement and academic success
- o Theme #6: Build and expand facilities that establish environments that are welcoming and safe, value open access, and promote active student engagement

PRESIDENT'S CABINET

- o Theme #1: Expand and support innovation in teaching, learning, support, and management within the College

Current instructional approaches are increasingly reliant on experiential learning activities that engage students and align with ways that many students absorb, process, and retain information. This assertion is strongly reinforced in the master plan interviews with Instructional Program faculty, staff, and administrators. Faculty expressed the benefits of teaching in flexible classrooms and

class laboratories that are equipped with flexible furnishings that can be quickly reconfigured to support experiential pedagogies, such as performance-based and project-based learning.

These projects would upgrade and outfit existing instructional spaces, and would remove barriers to flexible use. They would provide furniture, fixtures, and equipment, including audio-visual and instructional technology systems, in accordance with Mt. SAC's design and technology standards. These projects could be implemented with major renovations, which would build or reconfigure classrooms and class laboratories with sufficient space to effectively implement experiential learning pedagogies, while maintaining efficient use of instructional rooms to meet space utilization standards.

These projects could reconfigure, furnish, and equip space in existing or new buildings and outdoor instructional class laboratories. Opportunities would be sought to implement this project through every major new building project and major renovation project.

Images of similar facilities at other colleges:



FACILITIES RECOMMENDATIONS: CAMPUS-WIDE PROJECTS

PUBLIC ART

The **Campus-wide Public Art** project would support the following Master Plan Themes.

INSTRUCTIONAL PROGRAMS

- o Theme #5: Expand opportunities for experiential learning to increase student equity, engagement, retention, and success

STUDENT SERVICES

- o Theme #1: Create a welcoming and inclusive environment that promotes student engagement and academic success

PRESIDENT'S CABINET

- o Theme #1: Expand and support innovation in teaching, learning, support, and management within the College

Throughout its development, works of art have distinguished Mt. SAC's campus and opened minds to new ways of seeing the world. The Campus-wide Public Art project would build on this tradition of support for the arts that is exemplified by the fine examples of murals in the Library and Art Center. It would also support the local and regional creative community. The initiative would create a *Public Arts Plan* that would be incorporated into Mt. SAC's *Design Guidelines and Landscape Master Plan*, and would add works of art to new and renovated buildings and outdoor spaces. As directed by Mt. SAC's *Public Arts Plan*, opportunities would be sought to integrate planning for public art early on in the programming and design processes of every major new building project, major renovation project, and site improvement project.

The *Public Arts Plan* would better position the College to seek contributions that would fund the acquisition of artwork, potentially through Mt. SAC's Foundation or through individual donations. It would allow the College to plan and budget for essential ancillary work, such as lighting and structural supports.

The well-planned incorporation of public art on the campus would provide many benefits. Public art can be a unifying element across aesthetically diverse campus environments, as well as a way to distinguish them and aid wayfinding. Works of art serve as landmarks for the campus community as they become interwoven in the campus' social and cultural landscape and identity. They can be a key learning resource within the campus living laboratory that teaches lessons in every academic discipline, connects diverse cultures, speaks of the past, and envisions possibilities for the future. Most importantly, the initiative seeks to build appreciation among students for the value and transformative potential of art.

LEGEND

- PROPERTY LINE ---
- PERMANENT FACILITIES
- TEMPORARY FACILITIES
- INDOOR PUBLIC ART OPPORTUNITY SITE
- EXISTING PUBLIC ART/MONUMENT INSTALLATION
- EXISTING PUBLIC ART: IMPACTED BY CAMPUS DEVELOPMENT
- OUTDOOR PUBLIC ART OPPORTUNITY SITE
- UTILITIES INFRASTRUCTURE (UNDERGROUND)

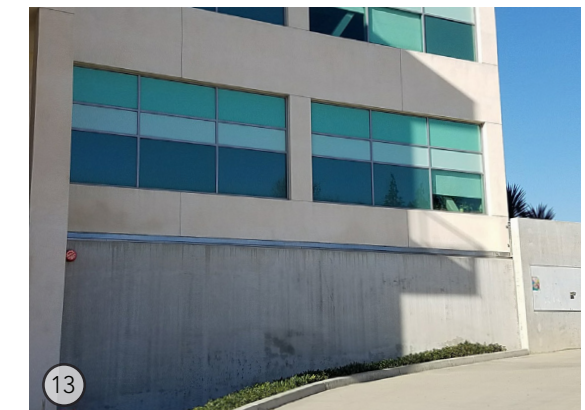


FACILITIES RECOMMENDATIONS: CAMPUS-WIDE PROJECTS
PUBLIC ART: OUTDOOR OPPORTUNITY SITES

1. Installation, to be determined, associated with the Healthy Living Loop and Fine Arts Building
- ② Vertical 2-D installation on existing retaining walls
- ③ Vertical 2-D installation on Building 2M wall
- ④ 3-D and/or vertical 2-D installation on existing retaining walls and planters
- ⑤ 3-D and/or vertical 2-D installation on existing retaining walls and planters
6. 3-D installation associated with Auditorium building plaza
7. Vertical 2-D installation on Auditorium building wall
8. 3-D installation associated with Science building courtyard



- ⑨ 3-D installation associated with Building 60 landscape
- ⑩ 3-D installation associated with Building 7 courtyard
- ⑪ Ground plane 2-D installation associated with Sciences buildings
- ⑫ Vertical 2-D installation on Building 60 stairs wall
- ⑬ Vertical 2-D installation on Building 60 wall



FACILITIES RECOMMENDATIONS: CAMPUS-WIDE PROJECTS
PUBLIC ART: OUTDOOR OPPORTUNITY SITES

- 14 3-D installation associated with Building 11 landscape
- 15 3-D installation associated with Founders Green
- 16 3-D installation associated with Founders Green, identified location for Veterans Core Memorial



- 17 3-D installation associated with Kern's Lawn
- 18 Vertical 2-D installation on Building 9B wall
- 19 3-D installation and/or ground plane 2-D installation associated with Student Services North covered courtyard
- 20 Vertical 2-D installation on Building 9B wall
- 21 Vertical 2-D installation on Elevator Tower
- 22 3-D installation associated with Building 12 landscape



FACILITIES RECOMMENDATIONS: CAMPUS-WIDE PROJECTS

PUBLIC ART: OUTDOOR OPPORTUNITY SITES

- 23. 3-D installation associated with Building 12 landscape
- 24. Ground plane 2-D installation associated with Buildings 26 courtyard
- 25. Vertical 2-D installation on Building 26B wall
- 26. Vertical 2-D installation on pedestrian bridge
- 27. Vertical 2-D installation on pedestrian bridge
- 28. Vertical 2-D installation on pedestrian bridge
- 29. Vertical 2-D installation on pedestrian bridge
- 30. 3-D installation (or specimen tree) associated with Library/Learning Resources plaza
- 31. Installation associated with Transit Center
- 32. Vertical 2-D installation on pedestrian bridge
- 33. Vertical 2-D installation on Building 67A wall



- 34. 3-D installation associated with BCT lawn
- 35. Installation associated with School of Continuing Education
- 36. Installation associated with Adult Education
- 37. Vertical 2-D installation on PS-F wall
- 38. Vertical 2-D installation on pedestrian bridge
- 39. Vertical 2-D installation on pedestrian bridge
- 40. Installation associated with athletics complex
- 41. 3-D installation associated with Bonita Promenade
- 42. Vertical 2-D installation on PS-S wall
- 43. Vertical 2-D installation on pedestrian bridge
- 44. 3-D installation associated with Wildlife Sanctuary entrance
- 45. Installation associated with Nature Center



FACILITIES RECOMMENDATIONS: CAMPUS-WIDE PROJECTS

UNIVERSAL DESIGN

The **Campus-wide Universal Design** projects would support the following Master Plan Themes.

INSTRUCTIONAL PROGRAMS

- o Theme #5: Expand opportunities for experiential learning to increase student equity, engagement, retention, and success

STUDENT SERVICES

- o Theme #1: Create a welcoming and inclusive environment that promotes student engagement and academic success
- o Theme #6: Build and expand facilities that establish environments that are welcoming and safe, value open access, and promote active student engagement

PRESIDENT'S CABINET

- o Theme #5: Ensure access, equity, and completion of educational goals for all current and future Mt. SAC students

Universal Design is the design and composition of an environment so that it can be accessed, understood, and used to the greatest extent possible by all people, regardless of age, size, ability, or disability. Because Universal Design is intended to equitably meet the needs of all people who use the campus, it is a fundamental condition of good design and will guide the design and construction of every recommended new building and renovation project, as well as the integration of technologies, equipment, and furnishings.

Mt. SAC is in the process of implementing its *Americans with Disabilities Act Transitional Access Plan*, which is a publicly reviewed plan that was

completed in 2010. The plan identifies policy-related, administrative, and physical barriers that impede access to Mt. SAC's services, as defined by the Americans with Disabilities Act. It sets a process, priorities, methods, and a timetable for the removal of these barriers. The objective of the plan is compliance with the accessibility standards of the Americans with Disabilities Act. Adherence with the objectives of Universal Design would be a higher standard that would be carefully considered for existing facilities, due to the cost and effort that might be required.

Campus-wide Universal Design would complete the implementation of Mt. SAC's Americans with Disabilities Act Transitional Access Plan. In addition, this initiative would create design standards and a plan for the incorporation of Universal Design principles in existing and new building and site improvements. It would identify the projects that would redesign and reconfigure specific physical elements to meet the objectives of Universal Design.

As directed by Mt. SAC's current *ADA Transitional Access Plan* and its successor, the *Universal Design Plan*, opportunities would be sought early on to remove barriers and integrate Universal Design standards in the programming and design processes of every major new building project, major renovation project, and site improvement project.

Images of similar facilities at other colleges:



UTILITIES INFRASTRUCTURE

Campus-wide Utilities Infrastructure projects would support the following Master Plan Themes.

ADMINISTRATIVE SERVICES AND HUMAN RESOURCES

- o Theme #1: Maintain services while adapting to a rapid pace of changes in regulations, equipment, and emerging technologies
- o Theme #2: Increase services to accommodate College-wide growth
- o Theme #3: Expand the quality of services

PRESIDENT'S CABINET

- o Theme #2: Ensure fiscal stability and effective and efficient use of resources

Utility services such as power, communications, water, sanitary sewer, and storm drainage are essential to the use of every building and outdoor space. Although much of it is hidden, the campus contains a complicated network of equipment, pipes, and cables that are intricately interwoven underground and in buildings. It is essential to plan up front for the evolution of these infrastructure systems to support the College's growth, to take advantage of technological advancements, and to address governmental regulations.

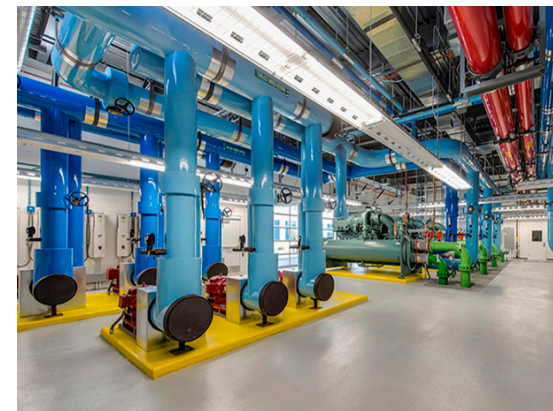
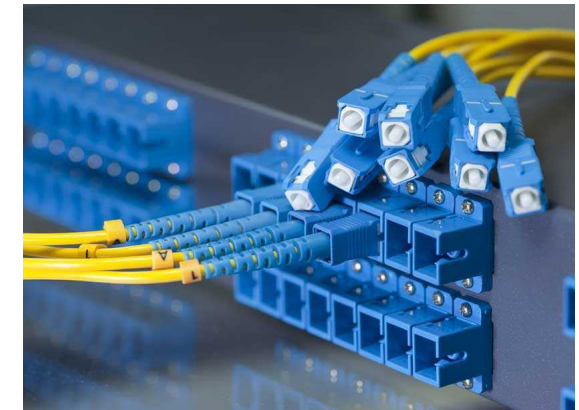
Utilities infrastructure planning is also germane to campus sustainability. Mt. SAC is a recognized leader among its peer institutions in environmentally sustainable campus facilities management. Much of their work in this area has focused on infrastructure systems for energy, water, and stormwater. This work has helped to reduce facilities operational costs and the campus' carbon footprint.

The objective of these projects would be to maintain a high level of support that would address Mt. SAC's increasing needs, while at the same time reducing the overuse of resources and minimizing impacts on the regional environment. To achieve this objective, the Campus-wide Utilities Infrastructure projects would begin with an update of Mt. SAC's *Campus Utilities Infrastructure Plan*. The plan would project the College's future needs, investigate the costs and benefits of alternative strategies, and recommend projects. The projection of future utilities needs would be based on the EFMP's facilities recommendations and would help ensure that essential services and systems would have enough capacity and would be available in time for the new facilities that will depend on them.

The *Campus Utilities Infrastructure Plan* would provide an overall description of the many systems that would be implemented through individual infrastructure, site improvement, and building projects; which is why it must be prepared before site and facilities projects are programmed and designed. For example, underground utility lines would be constructed to align with and be in place before permanent pedestrian paths are built on the surface. Buildings would be designed to include on-site infrastructure and utility connections.

For more information, please refer to the section titled Next Steps for Implementation in Chapter 12: *Implementation* and the section titled Utilities Infrastructure in the *Appendix*.

Images of similar facilities at other colleges:



FACILITIES RECOMMENDATIONS: CAMPUS-WIDE PROJECTS

WAYFINDING

Campus-wide Wayfinding would support the following Master Plan Themes.

STUDENT SERVICES

- o Theme #1: Create a welcoming and inclusive environment that promotes student engagement and academic success
- o Theme #6: Build and expand facilities that establish environments that are welcoming and safe, value open access, and promote active student engagement

PRESIDENT'S CABINET

- o Theme #5: Ensure access, equity, and completion of educational goals for all current and future Mt. SAC students

Wayfinding refers to how people understand their location within a physical environment and are able to orient and navigate themselves to their desired destinations. Wayfinding may be facilitated through information systems, such as maps and signage, as well as identifiable landmarks and other physical design cues. Community members have commented that the campus could be improved by the addition of prominent gateways or entrances onto campus and the addition of signage to improve internal campus navigation.

The Campus-wide Wayfinding project would first develop a campus *Wayfinding Signage Plan*, to identify strategic locations for directional signage and campus maps within campus and around its periphery that serve people using every mode of circulation and transportation. As one of its priorities, the wayfinding signage plan would facilitate equitable access throughout

the campus and be developed together with the Campus-wide Universal Design project. The project would also provide standards for campus wayfinding and site signage, to ensure that the aesthetic character of all campus signage is consistent with and contributes to overall campus branding and character. Development of a consistent design hierarchy for pedestrian, vehicular, and bicycle entrances and circulation routes will also facilitate wayfinding (refer to the Pedestrian Circulation Hierarchy Site Enhancement Concept in Chapter 11: *Site and Infrastructure Improvements Recommendations* for more details). Refer also to the Wayfinding and Signage section of the Landscape Guidelines in the *Appendix* for additional wayfinding and signage recommendations.

The *Wayfinding Signage Plan* would also support Mt. SAC's new building numbering system, which establishes campus "neighborhoods" and simplifies navigation to buildings (refer to the section titled Building Renumbering in Chapter 12: *Implementation*).

The *Wayfinding Signage Plan* would be implemented through dedicated signage projects as well as individual facilities and site improvement projects. As directed by the Plan, Mt. SAC's site signage design standards would inform the programming and design of every major new building project, major renovation project, and site improvement project.

Images of similar facilities at other colleges:





NEW MAJOR BUILDINGS

10.32

MT. SAN ANTONIO COLLEGE 2018 EDUCATIONAL AND FACILITIES MASTER PLAN
CBT AND HMC ARCHITECTS / DRAFT DATED 12.12.18

FACILITIES RECOMMENDATIONS

NEW MAJOR BUILDINGS

INDEX

- o Adult Education
- o Auditorium
- o Bookstore
- o Campus Safety
- o Fine Arts
- o Library/Learning Resources
- o Makerspace
- o Nature Center
- o Physical Education Complex
- o School of Continuing Education
- o Science
- o Student Center
- o Student Services North
- o Technical Education
- o Transit Center

FACILITIES RECOMMENDATIONS

NEW MAJOR BUILDINGS

The New Major Buildings projects are opportunities to house programs and functions that support the educational and economic needs of Mt. SAC's community. Some of these projects would build facilities for new programs that train students for employment and further study in emerging fields. Others would replace outdated existing facilities that are no longer adequately serving students for reasons that cannot be feasibly addressed by renovation and repair work.

Every new facility would support the use of advanced pedagogies and learning technologies under the skilled guidance of Mt. SAC's faculty and staff. These projects would construct additional space that would support Mt. SAC's projected enrollment, organize its programs and functions in accordance with the Recommended Land Use Plan (shown on page 10.3), and better utilize the College's land by building multi-story facilities and setting aside room for open space. These projects would also implement the campus-wide projects that are described in the previous section of this chapter.

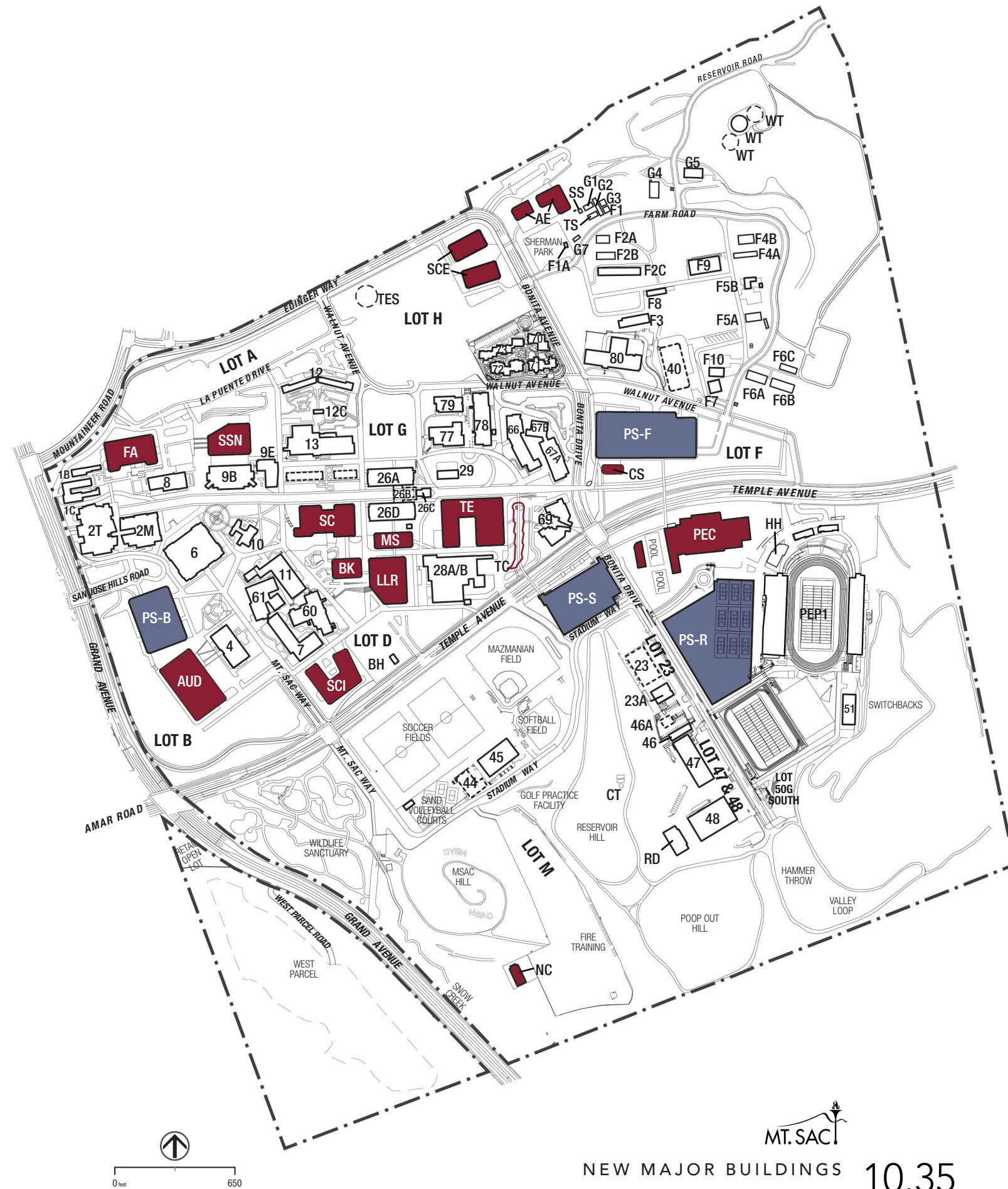
Each new major building is described by answering the following questions.

- o What would this project build?
- o Why is this project needed?
- o How would this project address educational planning needs? (Specifically, how would it address the implications for facilities of the challenges and opportunities described in Chapters 3, 4, 5, and 6?)
- o Why is this project located here and how does it relate to outdoor spaces and circulation?

The development of new major buildings would be guided by construction standards and design guidelines, which are important tools for developing high quality facilities. The creation of these and other tools are recommended in Chapter 12: *Implementation*. Readers of the EFMP that are involved in the programming, budgeting, design, and construction of facilities projects—such as administrators, construction program and project managers, faculty and staff serving in user groups, and design professionals—are encouraged to refer to these standards and guidelines, as well as to Chapter 9: *Framework for Facilities Recommendations*, and to the sections in Chapter 3: *Instructional Programs*, Chapter 4: *Student Services*, Chapter 5: *Administrative Services and Human Resources*, and Chapter 6: *Master Plan Themes* that describe the programs and services to be housed in the new buildings.

LEGEND

- PROPERTY LINE ---
- PERMANENT FACILITIES
- TEMPORARY FACILITIES
- NEW MAJOR BUILDINGS
- PARKING STRUCTURES
- UTILITIES INFRASTRUCTURE (UNDERGROUND)



FACILITIES RECOMMENDATIONS: NEW MAJOR BUILDINGS

ADULT EDUCATION

WHAT WOULD THIS PROJECT BUILD?

The new multi-story **Adult Education** facility would house classrooms, class laboratories, learning resources such as tutoring and open-use computer stations, and offices for the Adult Basic Education Program, which is a major program in Mt. SAC's School of Continuing Education.

WHY IS THIS PROJECT NEEDED?

The Adult Basic Education Program serves a critical and growing need in the community to make it possible for students to complete their high school equivalency, prepare for the workplace, and/or transition to college-level credit education. Given the educational needs of adults in Mt. SAC communities, this program is projected to keep pace with Mt. SAC's College-wide growth rate. Currently, the program is housed in Building 30 and the adjacent temporary facilities—buildings that are not designed for today's technologies and pedagogy. The program has outgrown these facilities, which are recommended for removal due to age, poor condition, and inadequate site circulation and stormwater infrastructure.

HOW WOULD THIS PROJECT ADDRESS EDUCATIONAL PLANNING NEEDS?

The new Adult Education facility would provide up-to-date technology and space large enough to implement strategies that have proven to be successful in supporting students' achievement of their educational goals, such as embedding counseling and tutoring in classrooms and laboratories.

WHY IS THIS PROJECT LOCATED HERE AND HOW DOES IT RELATE TO OUTDOOR SPACES AND CIRCULATION?

The new Adult Education project would reconfigure its building site to be welcoming and universally accessible. It would be designed to give priority to pedestrians as they enter the site from Bonita Avenue and find their way to building entrances. Students would be welcomed into a generous outdoor courtyard with shaded study and gathering areas. A signalized and enhanced street crossing would be provided at Bonita Avenue to improve the pedestrian link to the campus core and to the new School of Continuing Education facility (described later in this chapter). Parking and a generous passenger loading zone would be conveniently provided in the adjacent lot.



Images of similar facilities at other colleges:



FACILITIES RECOMMENDATIONS: NEW MAJOR BUILDINGS

AUDITORIUM

WHAT WOULD THIS PROJECT BUILD?

The new multi-story **Auditorium** would be a 1,200- to 1,500-seat multi-use facility that is needed to host large meetings, ceremonies, and performances. The Auditorium would also be available to the community for events and gatherings. This facility would include a modern and universally accessible space for Mt. SAC's Art Gallery.

WHY IS THIS PROJECT NEEDED?

Since Mt. SAC does not currently have an assembly space that seats more than 415 people, the College must often rent off-campus venues at a significant cost. As one of the largest single-campus community college districts in the State, Mt. SAC routinely holds meetings and events that cannot be accommodated by the assembly rooms that exist on campus. These include commencement, scholarship, and transfer ceremonies; dance recitals; faculty and staff "town hall" meetings; and community outreach events that highlight and acknowledge student achievement, promote a spirit of collaboration among faculty and staff, and build connections between the College and its community. The intention to build a large assembly hall has long been part of Mt. SAC's master plans, and the need for one has grown with time.

HOW WOULD THIS PROJECT ADDRESS EDUCATIONAL PLANNING NEEDS?

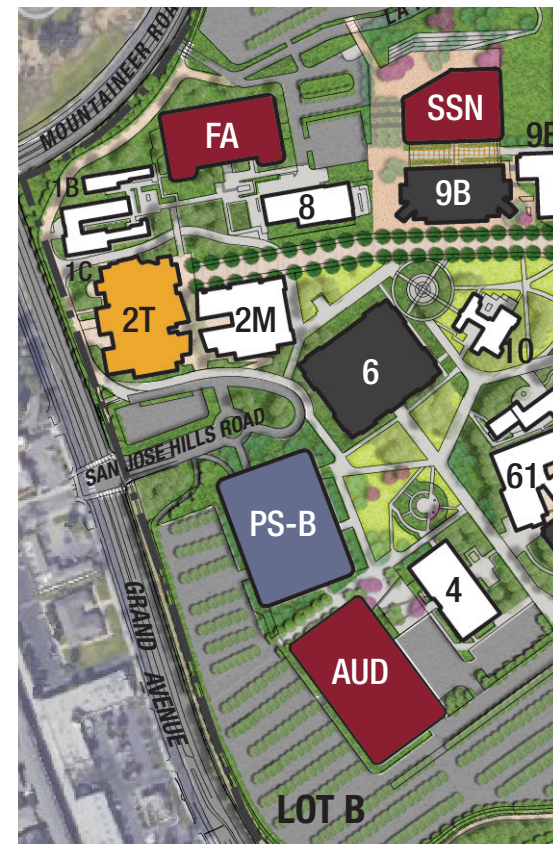
Both Student Services and the Event Services unit within Administrative Services described the need for such a venue, as did community members during the Trustee-hosted public meetings held in February and March 2017. An analysis by Mt.

SAC Event Services found that a performance venue of this size does not currently exist within Mt. SAC's District Service Area; the largest is the 700-seat Bonita Center at Bonita High School. The new Auditorium would be marketable to full-sized stage productions and other types of performances and events.

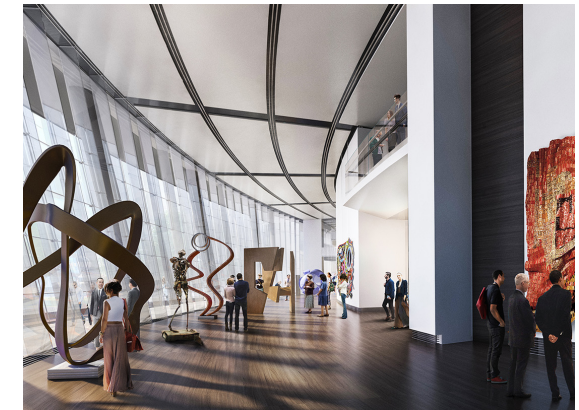
WHY IS THIS PROJECT LOCATED HERE AND HOW DOES IT RELATE TO OUTDOOR SPACES AND CIRCULATION?

The new Auditorium would anchor Mt. SAC's Community-oriented Development Zone, described in Chapter 12: *Implementation* in the Future Asset Development section, and be a signature building announcing Mt. SAC's presence along its most well-viewed street frontage—Grand Avenue. The main campus entry and passenger loading zone at San Jose Hills Road would welcome visitors to this destination. Ample event parking would be conveniently located in Parking Structure B (described in Chapter 11: *Site and Infrastructure Improvements Recommendations*). The Auditorium would be equally well-connected to the campus. Visitors approaching from both directions would be received in the Events Plaza and Rose Garden (described in Site Enhancement Concept: West in Chapter 11: *Site and Infrastructure Improvements Recommendations*), which would be the hub for pedestrian paths from the campus core.

The Auditorium would attract students, staff, and community members to explore Mt. SAC's Community-oriented Development Zone and visit other programs that—like Mt. SAC's Art Gallery—would benefit from the increased public exposure that the zone invites.



Images of similar facilities at other colleges:



FACILITIES RECOMMENDATIONS: NEW MAJOR BUILDINGS

BOOKSTORE

WHAT WOULD THIS PROJECT BUILD?

The new multi-story **Bookstore** would sell new and used textbooks, College merchandise, and school supplies; rent textbooks; and issue student ID cards. The facility would include an upper floor(s) that would provide much needed flexible space for the growth of programs and services, such as Administrative Services, college initiative programs, and others that would be determined during the programming of this project.

WHY IS THIS PROJECT NEEDED?

The existing single-story Bookstore 9A is in poor condition and renovation would not be feasible because asbestos that is currently encapsulated safely within the building would require costly remediation if disturbed. Once the new Bookstore is built, existing Bookstore 9A would be recommended for demolition.

HOW WOULD THIS PROJECT ADDRESS EDUCATIONAL PLANNING NEEDS?

The Bookstore is an important component in the creation of a welcoming and enriching college environment, which offers a comprehensive array of on-campus services for students and community members that visit the campus.

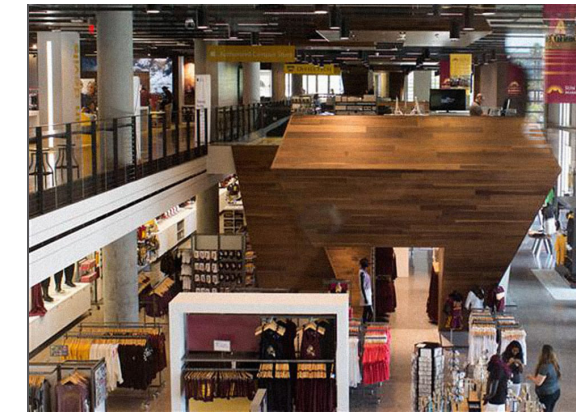
WHY IS THIS PROJECT LOCATED HERE AND HOW DOES IT RELATE TO OUTDOOR SPACES AND CIRCULATION?

The new Bookstore would be located next to the new Library/Learning Resources facility and near the new Student Center (both described later in this chapter)—an ideal location near parking and passenger loading at Lot D to be seen and visited by many students as they enter the campus

from Temple Avenue. Service vehicles would be accommodated by the shared receiving area at the adjacent Student Center. The Bookstore would support the activity in the outdoor areas shown in Site Enhancement Concept: Central—described in Chapter 11: *Site and Infrastructure Improvements Recommendations*.



Images of similar facilities at other colleges:



FACILITIES RECOMMENDATIONS: NEW MAJOR BUILDINGS

CAMPUS SAFETY

WHAT WOULD THIS PROJECT BUILD?

The new **Campus Safety** facility would be the central base for the Mt. SAC Police and Campus Safety Department. It would house staff workrooms and offices, a customer service area, security monitoring systems, secure storage, and secure covered parking for department vehicles and equipment.

WHY IS THIS PROJECT NEEDED?

Mt. SAC Campus Safety anticipates growth to keep pace with the College's enrollment and facilities. It is transitioning to become a POST-participating police force. As such, Campus Safety would be subject to POST standards for personnel and training. Campus Safety is currently housed in a portion of Building 23, which does not have interior space for future growth. It also lacks covered vehicle storage. Following the construction of the new Campus Safety facility, the space in Building 23 would be repurposed and reassigned to meet other campus needs.

HOW WOULD THIS PROJECT ADDRESS EDUCATIONAL PLANNING NEEDS?

The new Campus Safety facility would provide space for the department to fulfill services that were deemed important by students and community members in their feedback, as noted in Chapter 9: *Framework for Facilities Recommendations*. It would provide a welcoming and easy to find customer service area for the many students, employees, and community members that visit the department for assistance, such as directions to campus destinations and jump-starts, as well as law enforcement incidents. The facility's larger staff work areas would

accommodate a well-equipped dispatch office and safety- and security-related technology systems and equipment that would support the department's transition to a full-service police department. Covered and secured outdoor storage would protect and maintain the department's vehicles.

WHY IS THIS PROJECT LOCATED HERE AND HOW DOES IT RELATE TO OUTDOOR SPACES AND CIRCULATION?

The location of the new Campus Safety facility would be visible and accessible to the members of Mt. SAC's community that may seek its services. It also would provide campus safety vehicles with improved access to both campus and public roads from an area not impacted by the heavy traffic that is common during times of peak student attendance.



Images of similar facilities at other colleges:



FACILITIES RECOMMENDATIONS: NEW MAJOR BUILDINGS

FINE ARTS

WHAT WOULD THIS PROJECT BUILD?

The new multi-story **Fine Arts** facility would house classrooms, class laboratories such as studios and shops, learning resources including tutoring and study spaces, exhibition and display space, storage, and offices for Mt. SAC's Fine Arts Program. The project would replace the existing Art Center 1A and include work to adapt existing space elsewhere on campus to provide temporary instructional space during the construction of this project.

WHY IS THIS PROJECT NEEDED?

The Fine Arts Program is projected to keep pace with Mt. SAC's College-wide growth rate, due to strong recent demand that reflects growth in the region's market for jobs in fields related to the fine arts. This project would replace Building 1A, which was constructed in 1973 and no longer provides the amount of space and many of the types of studios/class laboratories needed to support the program's current and future instructional objectives. The Fine Arts project is one of two projects that focus on the Fine Arts Program's facilities. Also recommended is a Scheduled Maintenance Project for Art Buildings 1B and 1C, described later in this chapter.

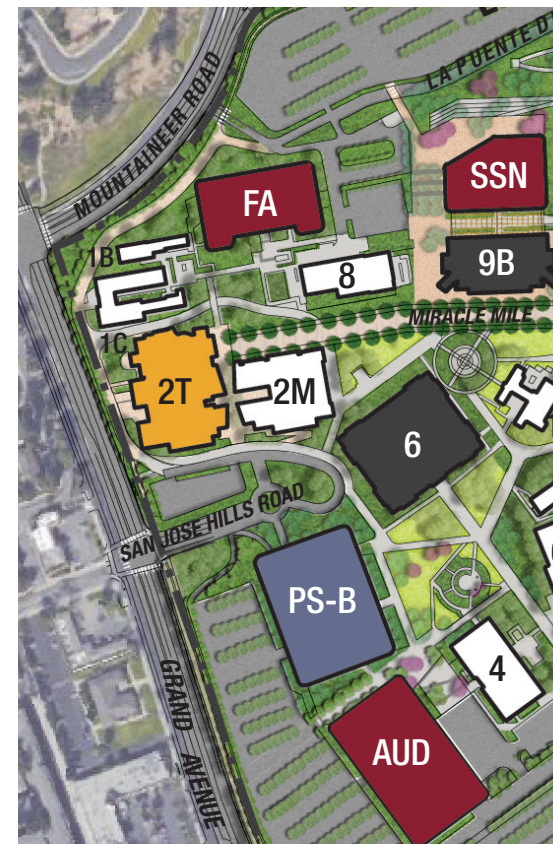
HOW WOULD THIS PROJECT ADDRESS EDUCATIONAL PLANNING NEEDS?

The project would build new art studio space to align with the focus on experiential learning in the program's current and emerging curriculum. These studio spaces would increase student access to industry-appropriate technology and equipment for three-dimensional art, such as computers for computer-aided design/computer-aided

manufacturing equipment. The project would also provide sufficient space for a balance in instruction between analog and digital techniques. These new learning environments would be supported by up-to-date building technologies, such as audio-visual systems, communications technology systems, and lighting and ventilation systems that improve health and safety. Adequate storage and preparation space would be located adjacent to instructional spaces and exhibition space for student work would be incorporated in highly visible locations.

WHY IS THIS PROJECT LOCATED HERE AND HOW DOES IT RELATE TO OUTDOOR SPACES AND CIRCULATION?

The Fine Arts facility would be built in the location of the existing single-story Art Center 1A that it replaces. Rebuilding in this location would keep its programs in the hub of Mt. SAC's well-established Fine and Performing Arts Precinct, while better utilizing the site with a multi-story facility. The facility would open onto the Arts Garden Plaza (described in Chapter 11: *Site and Infrastructure Improvements Recommendations*) that would anchor Miracle Mile at its western terminus. Service vehicle access would be provided by the adjacent service road.



Images of similar facilities at other colleges:



FACILITIES RECOMMENDATIONS: NEW MAJOR BUILDINGS

LIBRARY/LEARNING RESOURCES

WHAT WOULD THIS PROJECT BUILD?

The new multi-story **Library/Learning Resources** facility would be the central place for students, faculty, staff, and community members to access and use information and information technologies. It would be designed to welcome the College community to connect, collaborate, and interact with their peers from across the campus as well as the surrounding community.

WHY IS THIS PROJECT NEEDED?

The Library and Learning Resources programs are projected to grow faster than Mt. SAC's College-wide growth rate. The programs are currently housed in Building 6, which is not large enough for current needs and is not designed for today's technologies and pedagogy. Once the new Library/Learning Resources facility is built, it is recommended that Building 6 be renovated and repurposed for different functions.

HOW WOULD THIS PROJECT ADDRESS EDUCATIONAL PLANNING NEEDS?

The emerging role for Library/Learning Resources services require flexible spaces to accommodate both individuals and groups for a variety of activities. This facility would invite students to stay on campus to study and pursue research in comfortable environments that are supported by technology and multi-media tools. Space would be provided for expanded collections, course offerings, and collaborative and independent work, such as, potentially, space for a sustainability center. The facility would house the central management for Mt. SAC's decentralized network of learning centers, which would support the coordination and integration of services offered by the individual Learning Centers. The facility would house learning centers that provide non-subject-

specific learning assistance, such as the Tutoring Center and the Learning Assistance Center. These spaces would be configured and furnished to meet the diverse pedagogical strategies that have been developed to meet varied student needs.

The new Library/Learning Resources facility would house the campus-wide hubs for professional development and support for initiatives such as distance learning, including the Faculty Center for Learning Technology and the Professional and Organizational Development offices that would feature welcoming and collegial environments that promote collaboration.

WHY IS THIS PROJECT LOCATED HERE AND HOW DOES IT RELATE TO OUTDOOR SPACES AND CIRCULATION?

The new Library/Learning Resources facility would be at the center of the academic core, next to the new Bookstore, the new Student Center, and the new Makerspace (all described in this chapter), as well as many instructional buildings. Seen by the community from Temple Avenue, it would be a prominent and inviting visual symbol of Mt. SAC's excellence. The Transit Center (described later in this chapter) and visitor parking and passenger loading in Lot D would be located nearby. The shared receiving area at the adjacent Student Center would accommodate service vehicles. This facility will likely be the location for additional chiller and cooling tower capacity for the growing campus. The Library/Learning Resources facility would be enhanced by visual and physical connections to three significant outdoor spaces: the Lower Lobby Plaza, the Seating Steps, and the Sunken Lawn (described in Site Enhancement Concept: Central, in Chapter 11: *Site and Infrastructure Improvements Recommendations*).



Images of similar facilities at other colleges:



FACILITIES RECOMMENDATIONS: NEW MAJOR BUILDINGS

MAKERSPACE

WHAT WOULD THIS PROJECT BUILD?

The new multi-story **Makerspace** facility would house a variety of indoor and outdoor spaces that support hands-on, project-based, and collaborative learning. The spaces would be tailored and equipped to support a variety of learning activities and their use would be shared among Mt. SAC's instructional divisions, as well as with local businesses, other educational institutions, and community organizations.

WHY IS THIS PROJECT NEEDED?

Mt. SAC was one of several colleges that successfully competed for a Makerspace grant in 2017. In October 2017, the College's first dedicated Makerspace facility opened, housed in a small building (F7) on Mt. SAC's Farm that was adapted into a makerspace. At the same time, the College started to plan for a larger permanent facility in a central campus location. This facility would house spaces that are tailored to a variety of learning activities, such as a business-focused computer-based hackerspace; a high-bay STEM, technical education, and health-focused project space; as well as a library/learning resources-focused collaboration space.

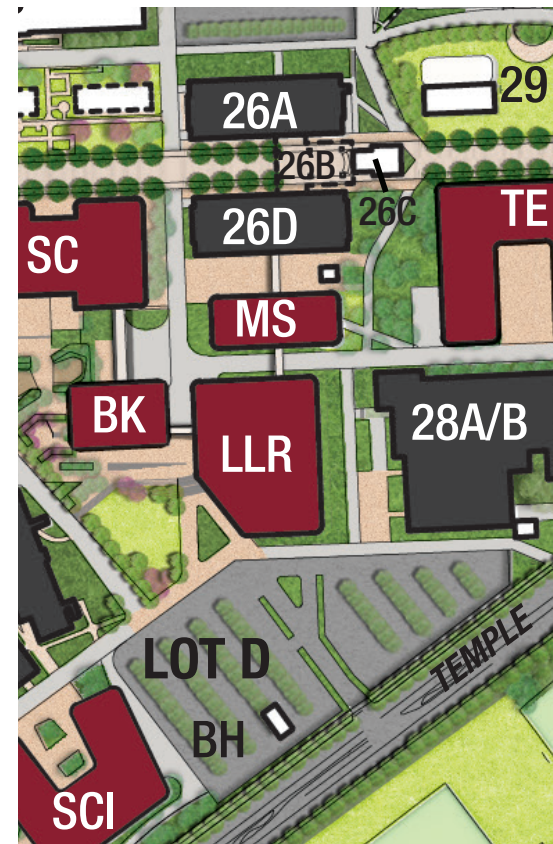
HOW WOULD THIS PROJECT ADDRESS EDUCATIONAL PLANNING NEEDS?

The Makerspace would expand the College's ability to use experiential teaching and learning methods that increase student equity, engagement, retention, and success. Experiential teaching and learning methods create a more level playing field because students learn from a similar set of experiences regardless of their socio-economic status, prior academic experiences,

and learning styles. The Makerspace would also support inter-departmental student, faculty, and staff collaboration by providing space and equipment that could be shared through multi-disciplinary projects and learning activities. It would also support distance and hybrid courses by offering access to laboratory space and resources that are not scheduled for classes and are therefore open for student use.

WHY IS THIS PROJECT LOCATED HERE AND HOW DOES IT RELATE TO OUTDOOR SPACES AND CIRCULATION?

The Makerspace is intended to be a shared resource. It would be appropriately located in the central academic core near other facilities, such as the Student Center and the Library/Learning Resources facility, that serve students across every instructional division. Convenient access by community members would be facilitated by nearby passenger pick-up/drop-off zones and visitor parking in Lot D, as well as public transit access at the Transit Center (described later in this chapter). The shared receiving area at the adjacent Student Center would accommodate service vehicles.



Images of similar facilities at other colleges:



FACILITIES RECOMMENDATIONS: NEW MAJOR BUILDINGS

NATURE CENTER

WHAT WOULD THIS PROJECT BUILD?

The **Nature Center** is one of two projects that would support Mt SAC's use of its unique Wildlife Sanctuary, enhancing its value as a College and community resource. The Nature Center project would construct a new facility that would house instructional space, as well as exhibit and meeting space in which to welcome College and community visitors. It would build upon the Wildlife Sanctuary improvements described in the Natural Habitat and Urban Forest section of Chapter 11: *Site and Infrastructure Improvements Recommendations*. That project would repair and upgrade access points, signage, structures, fencing, and the water supply throughout the Wildlife Sanctuary.

WHY IS THIS PROJECT NEEDED?

The Wildlife Sanctuary was established by and is primarily maintained by faculty and student volunteers from Mt. SAC's Biological Science Program. The Nature Center is an opportunity to build instructional and support space at the Wildlife Sanctuary for the Biological Science and other Natural Sciences Programs. Many other instructional programs also use the Wildlife Sanctuary, finding in it a rich source of subjects for study and artistic interpretation, as well as inspirational settings for classes.

HOW WOULD THIS PROJECT ADDRESS EDUCATIONAL PLANNING NEEDS?

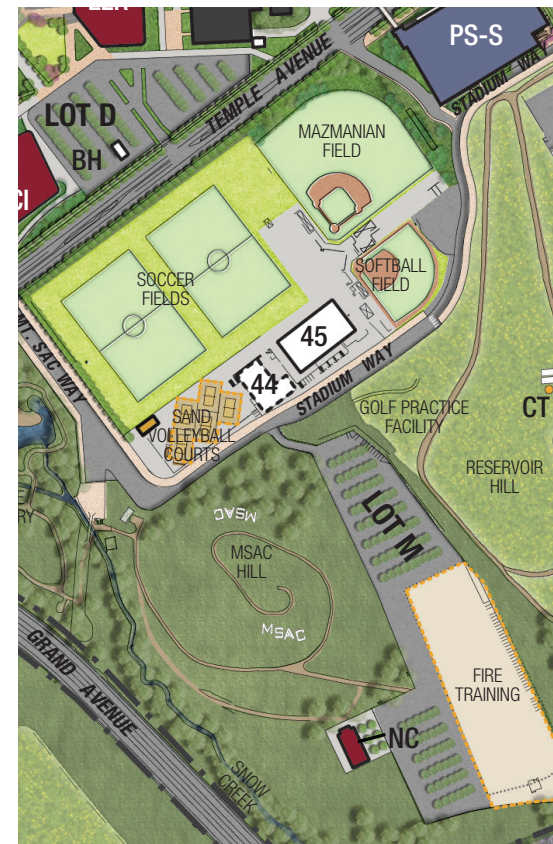
The Nature Center would be a base for student research projects and other instructional activities that align with Mt. SAC's desire to expand active and experiential learning and for learning to increasingly occur in outdoor spaces. It would

support the expansion of interdepartmental collaboration through the sharing of instructional space.

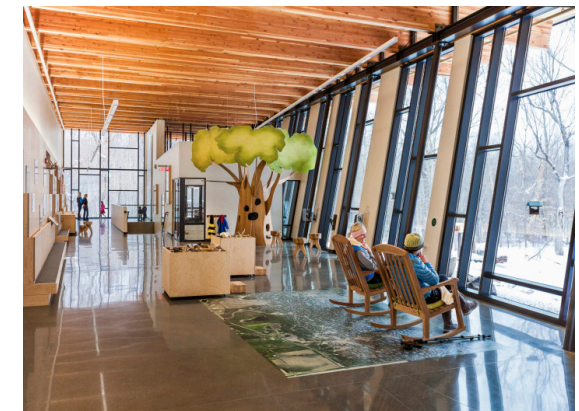
The Nature Center would play a role in expanding community use of the campus by providing space for public educational events and workshops. The Nature Center would also provide an important opportunity for Mt. SAC to have an impact in the field of environmentally sustainable facilities by being certified at the LEED Platinum level and one of the College's first net-zero energy buildings.

WHY IS THIS PROJECT LOCATED HERE AND HOW DOES IT RELATE TO OUTDOOR SPACES AND CIRCULATION?

The Nature Center's location at the Wildlife Sanctuary would support universal access to this unique environment by positioning wildlife observation points, visitor support facilities, and storage and instructional support space nearby. The Nature Center would be the first College facility seen from vehicles traveling north into the campus on Grand Avenue. It has the potential to be a highly visible icon and symbol of Mt. SAC's environmental stewardship.



Images of similar facilities at other colleges:



PHYSICAL EDUCATION COMPLEX

WHAT WOULD THIS PROJECT BUILD?

The new multi-story **Physical Education Complex** is the second phase of Mt. SAC's Physical Education Projects (PEP). It would build upon the first phase—the Athletics Complex East—to construct a state-of-the-art kinesiology, wellness, and athletics precinct in Mt. SAC's Athletics Land-use Zone. This project would include two new facilities: a gymnasium/wellness center and an aquatics center. Its site will include the Heritage Hall Education Center, which is described later in this chapter in the section titled Minor Projects and Scheduled Maintenance. This complex may also include a pedestrian bridge across Temple Avenue to connect the new gymnasium to Miracle Mile and parking in Lot F.

WHY IS THIS PROJECT NEEDED?

The Kinesiology, Athletics, and Dance Division's programs prepare students for transfer and for careers in fields such as fitness and aerobics instruction. Given student interest in these programs and the labor market data, these programs are projected to keep pace with Mt. SAC's College-wide growth rate. The new complex would replace facilities that are currently undersized, outdated, and not fully accessible. The new facilities would be designed to ensure compliance with the regulations of college athletics and the Americans with Disabilities Act. Following its construction, Gymnasium Building 3, Exercise Science/Wellness Center 27A, Pool 27B, and Physical Education Center 27C would be removed.

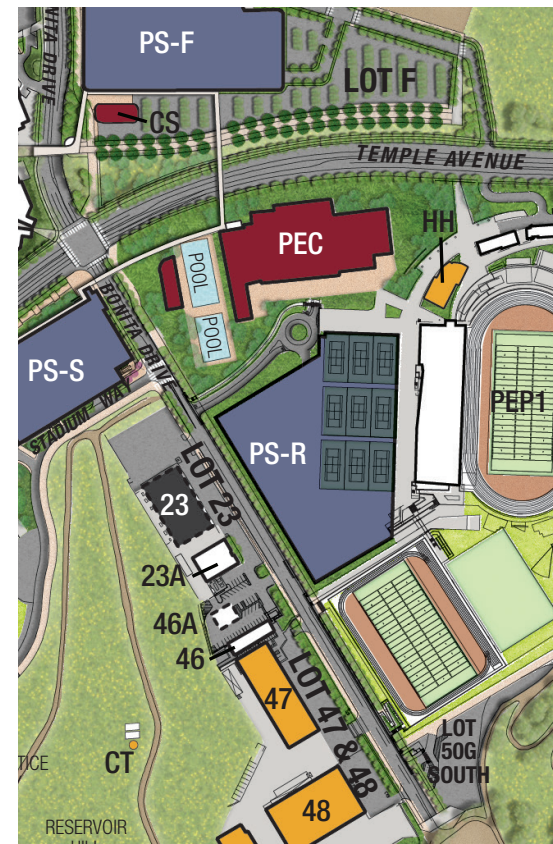
HOW WOULD THIS PROJECT ADDRESS EDUCATIONAL PLANNING NEEDS?

The new Physical Education Complex would provide the amount of space needed for instruction and competitive events. This project provides sufficient space and appropriate adjacencies that promote interaction and collaboration among students, faculty, and staff, such as embedding tutoring and counseling services close to classrooms.

WHY IS THIS PROJECT LOCATED HERE AND HOW DOES IT RELATE TO OUTDOOR SPACES AND CIRCULATION?

The Physical Education Complex would cluster into one place—Mt. SAC's Athletics Zone—programs that are currently dispersed. The Transit Center (described later in this chapter) and ample parking in Parking Structures F, R, and S (described in Chapter 11: *Site and Infrastructure Improvements Recommendations*) would be linked to the Complex via pedestrian paths and bridges over Temple Avenue and Bonita Drive. Recommended improvements for the existing Temple Avenue tunnel would improve an existing connection to Miracle Mile.

The proposed pedestrian paths and bridges cross the City of Walnut's public rights-of-way (ROW) (Temple Avenue) and therefore present an opportunity for Mt. SAC and the City of Walnut to partner on pedestrian and vehicular solutions that benefit both the College and the City.



Images of similar facilities at other colleges:



FACILITIES RECOMMENDATIONS: NEW MAJOR BUILDINGS

SCHOOL OF CONTINUING EDUCATION

WHAT WOULD THIS PROJECT BUILD?

The new multi-story **School of Continuing Education** facility would house classrooms, class laboratories, division and faculty offices, student services, tutoring, and study space. The facility would consist of buildings situated around inviting outdoor courtyards, all evoking a welcoming, human-scaled village approach that invites students into a safe place to learn.

WHY IS THIS PROJECT NEEDED?

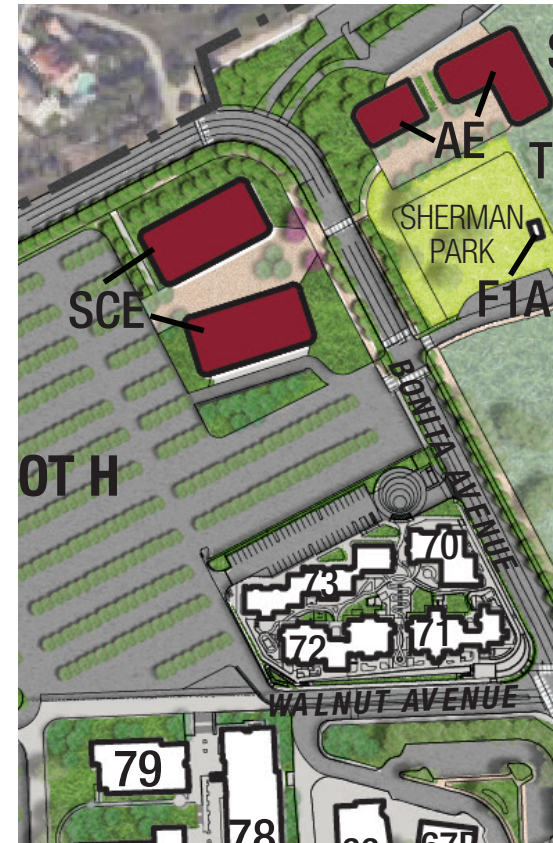
Thanks to changes in apportionment which allocates the same level of funding for noncredit Career Development and College Preparation courses as credit courses, Mt. SAC's School of Continuing Education has recently grown. These programs are projected to keep pace with Mt. SAC's College-wide growth rate. The School is currently housed in a number of separate facilities, many of which are temporary. In addition, the School's recent growth has overtaken the capacity of its facilities. For example, a permanent simulation laboratory is urgently needed for the School's popular Health Careers courses. Currently, the program is partially housed in Building 40, Building 30, and adjacent temporary facilities. These buildings are aged and in poor condition, with inadequate site circulation and storm drainage. The School's offices and much of its instructional space are housed in Building 40—a temporary building of modular construction—which is on a site that lacks adequate stormwater drainage. This project would remove the School's temporary facilities and replace them with permanent space.

HOW WOULD THIS PROJECT ADDRESS EDUCATIONAL PLANNING NEEDS?

The new School of Continuing Education facility would provide its students, who are often from disproportionately impacted communities, with facilities of equivalent quality as those used by students in other Mt. SAC programs. Its facilities would help to align Mt. SAC with community needs by providing expanded and improved instructional space that would allow the College to develop more programs to serve working and/or older adults. The new facilities would provide up-to-date technology and space in which to effectively implement strategies that have been proven to help students achieve their goals, such as embedded assessment, counseling, tutoring, and the integration of soft-skills training across the curriculum.

WHY IS THIS PROJECT LOCATED HERE AND HOW DOES IT RELATE TO OUTDOOR SPACES AND CIRCULATION?

The School of Continuing Education facility would be an accessible destination with a clear identity. It would be near facilities where credit instruction occurs—to where its students may transition. The School would be adjacent to the new Adult Education facility that would house the Adult Basic Education Programs. The two facilities would be linked with a raised and enhanced, pedestrian-actuated street crossing at Walnut Avenue. It will also be near Language Center 66, where the School's ESL Program is housed. Ample parking would be available in Lot H and a dedicated passenger loading zone would be built for this facility.



Images of similar facilities at other colleges:



FACILITIES RECOMMENDATIONS: NEW MAJOR BUILDINGS

SCIENCE

WHAT WOULD THIS PROJECT BUILD?

The new multi-story **Science** facility would provide additional instructional, office, and study space for Mt. SAC's Natural Sciences Programs. The project would build a state-of-the-art science building and would be one of two projects that would repurpose specific spaces in existing science buildings to rezone Mt. SAC's Natural Sciences Complex in a manner that improves the quality of student learning and interdepartmental collaboration, and promotes the efficient sharing of staff and resources. The Science Buildings 7 and 60 renovation project (described later in this chapter) would rezone Science South Building 7 and Science Laboratories Building 60.

WHY IS THIS PROJECT NEEDED?

Over the years, Mt. SAC has grown its inventory of Natural Science instructional facilities to keep up with strong demand. More than ever, the demand is being driven by industry growth in health professions, as well as in emerging fields, such as biotechnology and the environmental sciences. To address these demands, most of the Natural Sciences Programs are projected to either keep pace with or grow faster than Mt. SAC's College-wide growth rate. Currently, their instructional facilities are being utilized near or beyond capacity and continued growth is contingent on the addition of instructional space.

HOW WOULD THIS PROJECT ADDRESS EDUCATIONAL PLANNING NEEDS?

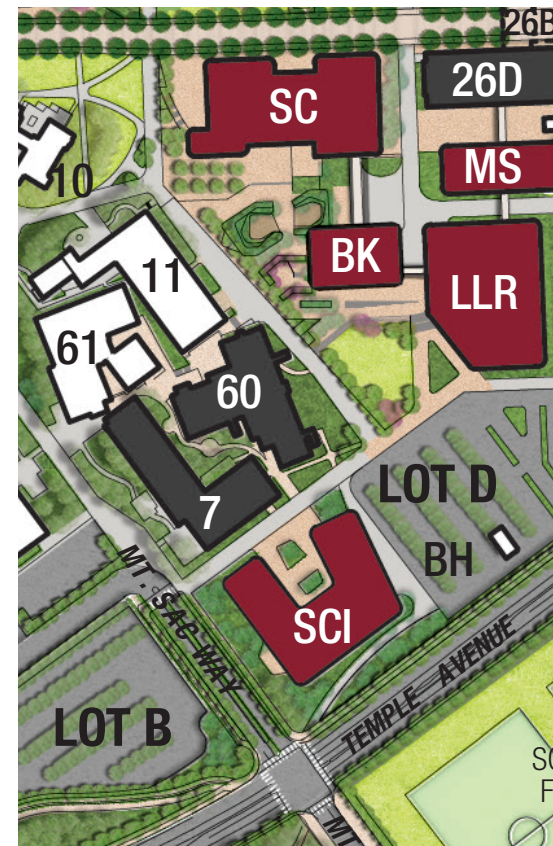
The new Science facility would address critical needs for instructional space, as well as sufficient space to embed tutoring and counseling services near classrooms and class laboratories. These

facilities would be designed with the necessary space and adjacencies to promote interaction and collaboration among students, faculty, and staff. Space for tutoring and independent study would take place in a technology-rich, expanded STEM Learning Center and Computer Technology Lab that would accommodate students in all science disciplines. The new and repurposed facilities would simplify the implementation of Mt. SAC's *Laboratory Safety and Chemical Hygiene Plan* by including up-to-date storage and handling facilities.

WHY IS THIS PROJECT LOCATED HERE AND HOW DOES IT RELATE TO OUTDOOR SPACES AND CIRCULATION?

The new Science facility would be an addition to the existing Natural Sciences Complex, which comprises Science South Building 7, Science North Building 11, Science Laboratories Building 60, and Math & Sciences Building 61. The project would link all five buildings with outdoor courtyard space for gathering and instructional use within Mt. SAC's Science precinct. This new facility would be a highly visible presence on Temple Avenue for the Science precinct. The Science facility's site area would be an opportunity to demonstrate innovative strategies such as a Living Machine that uses natural wetland processes to recycle waste water from the building for use in irrigation or ground-water recharge.

The Science facility would be well-linked to College and public circulation routes. The Mt. SAC Way Promenade would provide a pedestrian-friendly connection to Mt. SAC's Wildlife Sanctuary and the Nature Center (described earlier in this chapter).



Images of similar facilities at other colleges:



FACILITIES RECOMMENDATIONS: NEW MAJOR BUILDINGS

STUDENT CENTER

WHAT WOULD THIS PROJECT BUILD?

The new multi-story **Student Center** would welcome students into the types of inviting, inclusive, and comfortable places needed to encourage student engagement. It would house spaces for students to study, grab a meal, and hang out with friends, as well as get information and participate in student organizations and student government. The Student Center would also provide much needed event space and offices for Mt. SAC Events Services.

WHY IS THIS PROJECT NEEDED?

Mt. SAC's student body is currently one of the largest of single-campus California community colleges. Student Life Center 9C opened in 1953 to serve a much smaller College in a very different era and it is no longer meeting the needs of the College's students. Following the construction of the new Student Center, it is recommended that Building 9C be removed and its site repurposed to make way for both the Miracle Mile and Founders Green, a student-oriented outdoor plaza.

HOW WOULD THIS PROJECT ADDRESS EDUCATIONAL PLANNING NEEDS?

The diversity in Mt. SAC's student body is projected to continue. Therefore, a critical focus for developing Student Services facilities is to design spaces that are equally welcoming and inviting for all students. To increase student success, these programmatic efforts need to persuade students to remain on campus so they can remain engaged with their peers in a supportive environment. The Student Center project would provide indoor and outdoor spaces for students to use and enjoy, with the dual

purpose for Student Life faculty and staff to both learn about and address students' needs.

The Student Center would also provide flat-floor, flexible event space suitable for the many events, meetings, and presentations that are hosted by Mt. SAC and are often open to the community. It would also house offices for Mt. SAC's Event Services branch of Technical Services, the Administrative Services unit that provided setup and logistical support for over 10,000 campus events in 2015–2016. The Student Center's central campus location would position staff and equipment near most events.

WHY IS THIS PROJECT LOCATED HERE AND HOW DOES IT RELATE TO OUTDOOR SPACES AND CIRCULATION?

The Student Center would be next to Miracle Mile in the physical center of Mt. SAC's academic core. It would face two of the campus' main outdoor spaces: the Terraced Quad and the Library Gardens (both described in the section titled Site Enhancement Concept: Central in Chapter 11: *Site and Infrastructure Improvements Recommendations*). A plaza that faces Miracle Mile would provide a "front porch" for student gathering. It would also be outfitted to support outdoor events, such as career and transfer fairs that could expand onto the Terraced Quad. Event parking and passenger loading would be available in Lot D and supplemented by Lots A and B. The Student Center would house a receiving center for deliveries that would also serve the adjacent Library/Learning Resources Center, Bookstore, and Makerspace (all described in this chapter).



Images of similar facilities at other colleges:



FACILITIES RECOMMENDATIONS: NEW MAJOR BUILDINGS

STUDENT SERVICES NORTH

WHAT WOULD THIS PROJECT BUILD?

The new multi-story **Student Services North** facility would house Mt. SAC's Counseling Center, Career and Transfer Center, and other related General Support Services that provide ongoing assistance to every Mt. SAC student. In addition, the facility would be designed with the capacity and flexibility to accommodate future growth and new programs.

WHY IS THIS PROJECT NEEDED?

The growth of Mt. SAC's Student Services has been driven by the need to keep pace with the College's enrollment. In recent years, growth has also been accelerated by State initiatives funded to meet the needs of underprepared and underrepresented students and to support the successful achievement of each student's goals. Although the College has expanded its inventory of Student Services space, the need for more space has outpaced its ability to house all programs in permanent facilities. Currently many Student Services are housed in temporary buildings. This project would begin the process of transitioning all programs into permanent space with enough flexibility to accommodate future, yet-undefined needs.

HOW WOULD THIS PROJECT ADDRESS EDUCATIONAL PLANNING NEEDS?

The Student Services North facility would welcome students into flexibly configured environments that promote access and interaction, while at the same time protect their confidentiality. Workspace would be designed in accordance with an open space, flexible-with-options model that allows for the fluid rotation of staff members. In addition, all spaces would fully comply with the tenets

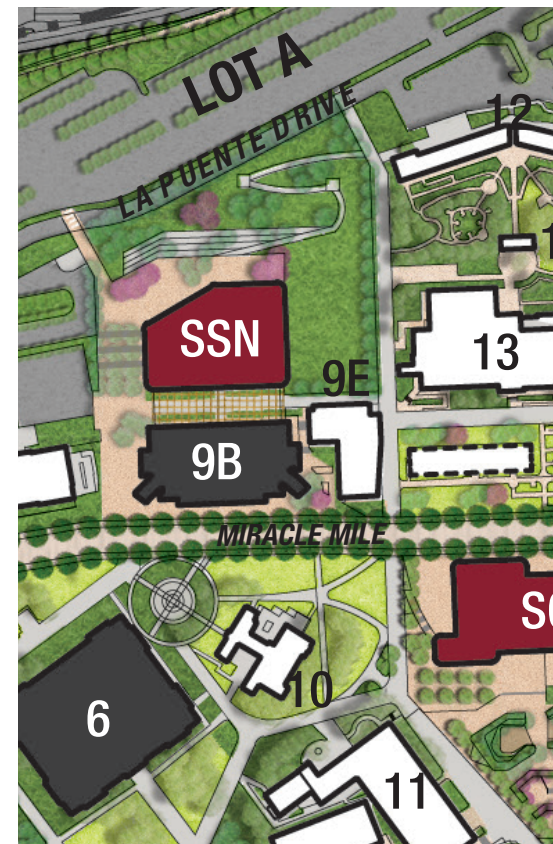
of Universal Design and provide for ergonomic accommodations in technology-rich spaces where students could attend workshops, access physical and online resources, and receive assistance individually and in groups.

Once the new Student Services North facility is built, a related project—the Student Services Center 9B Renovation—would repurpose vacated space and rezone the building in a manner that promotes integration and helps students easily navigate among related services.

WHY IS THIS PROJECT LOCATED HERE AND HOW DOES IT RELATE TO OUTDOOR SPACES AND CIRCULATION?

The Student Services North facility would be an important addition to Mt. SAC's Student Services Precinct, which would become a new campus gateway with strong connections to the campus' primary pedestrian pathways, a drop-off/pick-up zone, and parking. The facility would also be enriched with a variety of student-oriented outdoor spaces (refer to Site Enhancement Concept: North, in Chapter 11: *Site and Infrastructure Improvements Recommendations*).

The facility would replace Bookstore 9A in a location next to the existing Student Services Center 9B. Student Services North and Student Services Center 9B would be linked through a shaded, student-oriented courtyard that would seamlessly connect students to the services in both buildings. Approaching from the north and west, pedestrians would enter Student Services North from a welcoming plaza with direct connections to Lot A and a new accessible parking lot and passenger pick-up/drop-off zone.



Images of similar facilities at other colleges:



FACILITIES RECOMMENDATIONS: NEW MAJOR BUILDINGS

TECHNICAL EDUCATION

WHAT WOULD THIS PROJECT BUILD?

The new multi-story **Technical Education** facility would be Mt. SAC's largest instructional facility for career and technical education, providing state-of-the-art learning environments for programs that support the local economy, such as Aeronautics, Electronics and Computer Engineering Technology, Industrial Design Engineering, Manufacturing Technology, Nursing, and more.

This facility would house classrooms, offices, and specialized class laboratories equipped to prepare students for transfer and careers in technical fields. It would also provide permanent facilities for the Technical Education Resource Center (TERC), which offers group and individual tutoring and open access to computers.

WHY IS THIS PROJECT NEEDED?

Many of Mt. SAC's technical education programs are unique and well known. To address the demand for their classes, most of these programs are projected to keep pace with Mt. SAC's College-wide growth rate. The existing Technology Center 28A and 28B, which opened in 1971, is in poor condition and does not have the space or flexibility to be adapted to current and future technologies and pedagogies. Its structure is designed in accordance with building codes that are now over five decades old.

In addition to addressing future space needs, this project would remedy other constraints of the existing facility, such as inadequate electrical, plumbing, and communication systems, and a lack of universal accessibility. This project would use water and energy efficiently and meet industry health and safety standards through upgraded

building systems, such as ventilation and dust collection. Following the construction of the new Technical Education facility, it is recommended that the existing Technology Center 28A and 28B be evaluated for potential upgrades and repurposing, or for removal.

HOW WOULD THIS PROJECT ADDRESS EDUCATIONAL PLANNING NEEDS?

This project would construct a new facility that is sized to accommodate new and expanded course offerings, and would effectively implement strategies that help students achieve their goals—such as embedding counseling, academic support, and student support within classrooms and labs. The project would provide modern and flexible learning environments that support current instructional delivery methods, such as hands-on project and research experience for students. It would provide sufficient space for innovation and collaboration, such as simulation laboratories that support experiential learning and adapt quickly to model new workplace technologies.

WHY IS THIS PROJECT LOCATED HERE AND HOW DOES IT RELATE TO OUTDOOR SPACES AND CIRCULATION?

The location of this new facility would allow the existing facilities to remain in service until the new facility is constructed. The location would provide space for outdoor training, study, and collaboration. It would be near the new Library/Learning Resources facility, the new Makerspace, and other instructional buildings that house related programs. It would be adjacent to Miracle Mile and the new Transit Center, as well as near ample parking in Lots F and S.



Images of similar facilities at other colleges:



FACILITIES RECOMMENDATIONS: NEW MAJOR BUILDINGS

TRANSIT CENTER

WHAT WOULD THIS PROJECT BUILD?

Mt. SAC is collaborating with Foothill Transit to bring a public transportation hub onto the campus. The new **Transit Center** would be in a more convenient location that is close to instructional buildings, the new Library/Learning Resources facility, and the new Student Center. It would include amenities for passengers, such as shaded seating, power outlets, toilet rooms, and secure bicycle storage.

WHY IS THIS PROJECT NEEDED?

The roads and parking lots that accommodate students' and employees' vehicles occupy a large portion of the campus. Encouraging the use of public transit reduces the need for parking that is costly to build and maintain, contributes to the heat island effect, and diverts land from instructional use. Transportation is the biggest contributor to Mt. SAC's greenhouse gas emissions. Mt. SAC is committed to reducing its carbon footprint through programs such as the Class Pass that gives students unlimited access to Foothill Transit buses as part of their student fees. By making transit use more convenient, the new Transit Center would encourage more students and employees to commute to campus by bus.

The Transit Center is also part of Mt. SAC's strategy to encourage transit agencies to expand their service to Mt. SAC and prepare for bus connections to Los Angeles County's Metro Gold Line stations that are planned for La Verne and Pomona (refer to descriptions of regional and local transportation access in the section titled Community Context in Chapter 7: *Existing Facilities and Site Analysis*).

HOW WOULD THIS PROJECT ADDRESS EDUCATIONAL PLANNING NEEDS?

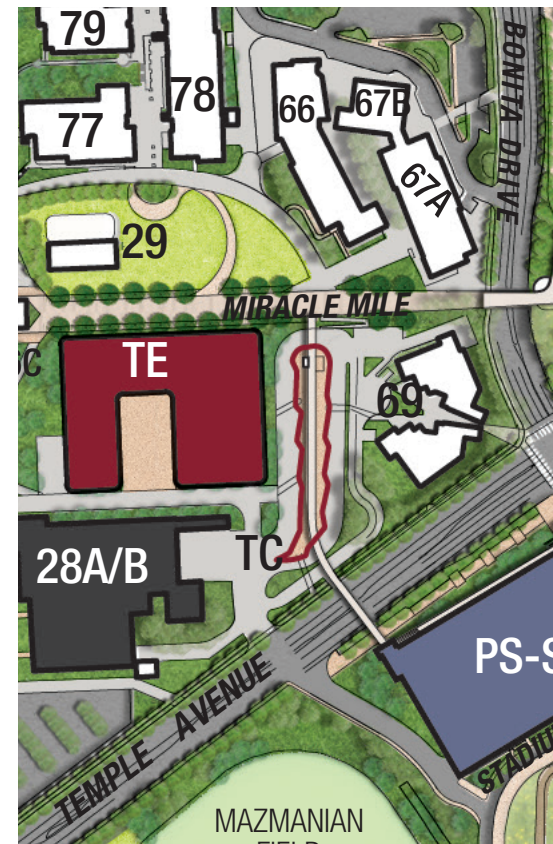
The Transit Center would promote equitable access to Mt. SAC's programs by students that may not have their own vehicles. It would expand services that help to accommodate the College's growth, and do so in a way that would be cost effective and environmentally sustainable.

WHY IS THIS PROJECT LOCATED HERE AND HOW DOES IT RELATE TO OUTDOOR SPACES AND CIRCULATION?

The location of the Transit Center is well positioned to serve many parts of campus through planned pedestrian circulation linkages. Buses would enter the Transit Center from Temple Avenue at an improved vehicular access point. Access to Miracle Mile from the Transit Center would provide pedestrians with a direct link to campus areas north of Temple Avenue. The Parking Structure S pedestrian bridge would connect the Transit Center to campus areas south of Temple Avenue.

The Transit Center would also provide an access point for service and delivery vehicles enroute to the Technical Education Center and the receiving area shared by the Student Center, Library/Learning Resources, Bookstore, and Makerspace.

This project presents an opportunity for Mt. SAC and the City of Walnut to work together and with Foothill Transit to reduce traffic impacts locally and regionally. Coordination on the vehicular access, pedestrian paths, and pedestrian bridge over Temple Avenue, which is a City public rights-of-way (ROW), is recommended for a successful project and improved connectivity.



Images of similar facilities at other colleges:





26B



MAJOR RENOVATIONS

10.66

MT. SAN ANTONIO COLLEGE 2018 EDUCATIONAL AND FACILITIES MASTER PLAN
CBT AND HMC ARCHITECTS / DRAFT DATED 12.12.18

FACILITIES RECOMMENDATIONS

MAJOR RENOVATIONS

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- o College Services (23)
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- o Humanities and Social Sciences (26ABD)
- o Science (7 and 60)
- o Student Services (9B)

FACILITIES RECOMMENDATIONS

MAJOR RENOVATIONS

This section describes the EFMP's recommended major renovation projects. These are capital improvement projects that would renovate and repurpose existing facilities and extend their lifespans for many more decades. These projects would yield spaces that are better aligned with educational priorities and support the use of advanced pedagogies and learning technologies. They would implement the campus-wide projects for initiatives such as Universal Design, Collaborative Office Suites, and Energy that were described earlier in this chapter. These projects would also locate programs and functions in accordance with Mt. SAC's Recommended Land Use Plan shown on page 10.3.

Each major renovation project is described by answering the following questions.

- o What would this project renovate?
- o Why is this project needed?
- o How would this project address educational planning needs? (Specifically, how would it address the implications for facilities of the challenges and opportunities described in Chapters 3, 4, 5, and 6?)
- o How would this project improve the relationship of this facility to outdoor spaces and circulation?

The major renovation projects would be guided by construction standards and design guidelines that are tailored to the challenges faced by renovation projects, such as inefficient energy and water using systems and poor insulation. The creation of these and other tools for developing high performing renovated facilities are recommended in Chapter

12: *Implementation*. Readers of the EFMP that are involved in the programming, budgeting, design, and construction of facilities projects—such as administrators, construction program and project managers, faculty, staff, and students serving in user groups, and design professionals—are encouraged to refer to these standards and guidelines, as well as to Chapter 9: *Framework for Facilities Recommendations* and to the sections in this EFMP that describe the programs and services that will be housed in the renovated buildings.



FACILITIES RECOMMENDATIONS: MAJOR RENOVATIONS

COLLEGE SERVICES (6)

WHAT WOULD THIS PROJECT RENOVATE?

The **College Services Building 6** project would renovate and repurpose the entirety of Mt. SAC's existing Library/Learning Technology Center building following the opening of its new Library/Learning Resources facility.

WHY IS THIS PROJECT NEEDED?

Building 6 was originally constructed in 1963. At over 101,000 gross square feet, it is one of Mt. SAC's first large-scale buildings. Although it was partially renovated in 1999, it is currently in need of a comprehensive renovation to extend its lifespan and to effectively reuse a significant amount of space that is located in the academic core of the campus.

HOW WOULD THIS PROJECT ADDRESS EDUCATIONAL PLANNING NEEDS?

The renovation would upgrade, modernize, and repurpose vacated library and learning resources space in Building 6 for programs and services that would be determined during the project's detailed programming phase. The renovation would also upgrade and modernize space for programs and services that are currently housed, and would remain, in this building.

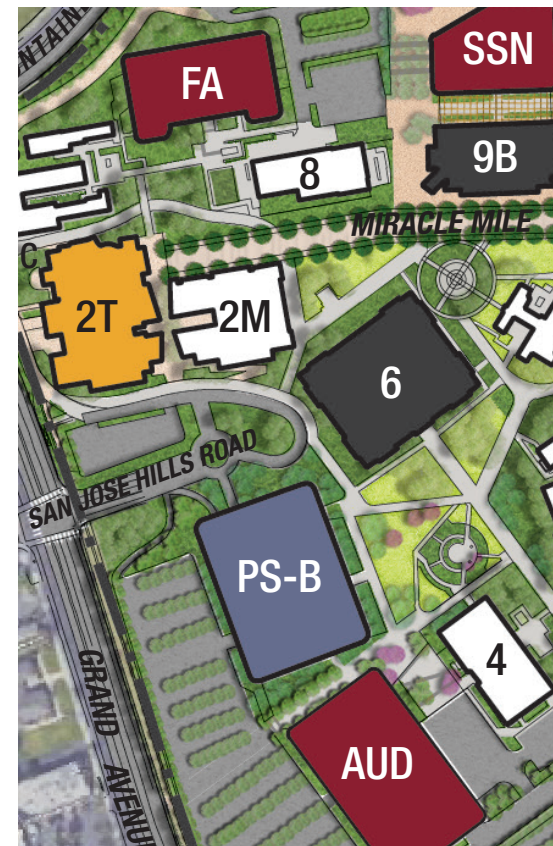
The renovation would be an opportunity to build more instructional space and/or to relocate programs and services to Building 6 for appropriate adjacency to related programs and services, such as collocating Information Technology and Technical Services. It would also be an opportunity to relocate widely accessed services, such as the Information Technology Programming Office and Help Desk, to a

central location that provides better access to "customers" and space for collaboration. The renovation would also provide room for the growth of programs and services in adjacent buildings, such as Administration Building 4, that no longer have space to grow.

The renovation would reconfigure and clarify circulation within the College Services Building, making all portions of the building readily and universally accessible from both entrances. It would employ partitioning and furniture systems that are inherently flexible and geared toward open and visually connected spaces that promote collaboration and interaction.

HOW WOULD THIS PROJECT IMPROVE THE RELATIONSHIP OF THIS FACILITY TO OUTDOOR SPACES AND CIRCULATION?

The repurposing of space in Building 6 would be an opportunity to relocate programs and services that are widely accessed by the College community to a central location that is more convenient for students, faculty, and staff. Its adjacency to major campus gateways, parking, and a potential future Community-oriented Future Asset Development Zone, described in Chapter 12: *Implementation*, would also make it a good location for services that interact with community members.



Images of similar facilities at other colleges:



FACILITIES RECOMMENDATIONS: MAJOR RENOVATIONS

COLLEGE SERVICES (23)

WHAT WOULD THIS PROJECT RENOVATE?

The **College Services Building 23** project would renovate and repurpose existing Building 23, following the opening of Mt. SAC's new Campus Safety facility and renovated College Services Building 6.

WHY IS THIS PROJECT NEEDED?

Building 23 was constructed in 2003 to house offices for a variety of College services that could be located outside of the campus core, including the Campus Safety and Information Technology Departments. The relocation of the Campus Safety Department is recommended for reasons stated previously in this chapter in the project description for a new Campus Safety facility. Relocation of other services currently housed in Building 23 may also be considered.

Although it is in good condition, Building 23 was not originally intended to be a permanent, certified facility for instruction, however, should the College wish to use this facility for instruction, this renovation would be an opportunity to seek certification through the Division of the State Architect (DSA).

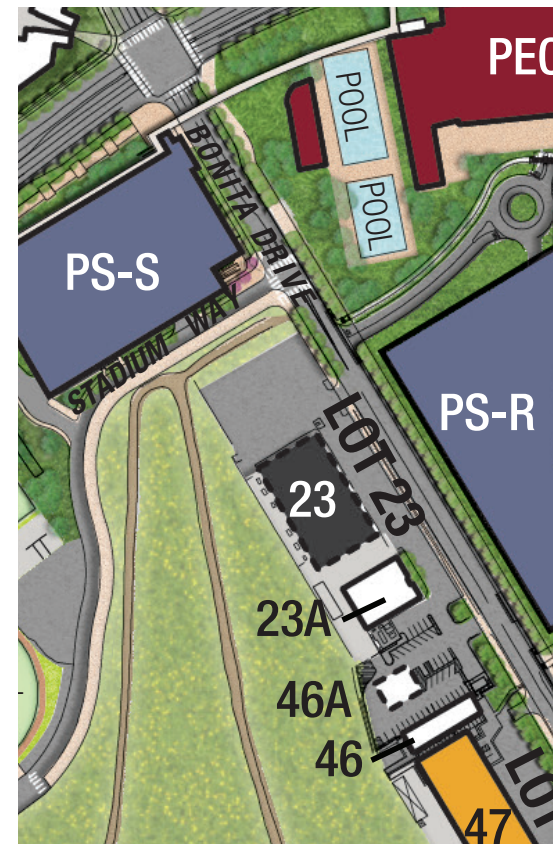
To explore this opportunity, this project would include an initial study to establish the cost and work needed to repurpose Building 23 and to potentially bring it into compliance with the building code requirements for school facilities that are certified for instructional use under the Field Act. The study would also consider the costs and benefits of the alternative option to replace this pre-fabricated single-story building with a new multi-story building.

HOW WOULD THIS PROJECT ADDRESS EDUCATIONAL PLANNING NEEDS?

The repurposing of vacated spaces in Building 23 would provide room for administrative services that must grow to support College-wide growth. It could also provide space to house the equipment and emerging technologies that would be needed to expand the quality of the Administrative Services that directly support the College's educational mission.

HOW WOULD THIS PROJECT IMPROVE THE RELATIONSHIP OF THIS FACILITY TO OUTDOOR SPACES AND CIRCULATION?

The repurposing of Building 23 would be an opportunity to expand space for services that are better located away from the academic core, but that would be easily accessed via public and campus roadways and served by ample parking in its adjacent parking lot.



Images of similar facilities at other colleges:



FACILITIES RECOMMENDATIONS: MAJOR RENOVATIONS

GENERAL INSTRUCTION (28AB)

WHAT WOULD THIS PROJECT RENOVATE?

The **Building 28A and 28B General Instruction** project would renovate and repurpose existing Buildings 28A and 28B following the opening of Mt. SAC's new Technical Education facility. The project would include an initial feasibility study to establish the cost and work needed to update the buildings' structures and floor plans and bring them into compliance with current building codes and the College's design standards. It would also establish the limitations that would be placed on the flexibility and openness of interior spaces and circulation due to existing structural systems. If feasible, the buildings would be renovated and repurposed to house instruction and related support services. If indicated by the results of the study, these buildings would be removed to create space for future asset development.

WHY IS THIS PROJECT NEEDED?

Building additional instructional, office, and support space is recommended to accommodate Mt. SAC's projected enrollment growth. Originally constructed in 1971 and containing over 47,000 and 80,000 gross square feet respectively, Buildings 28A and 28B are among Mt. SAC's first large-scale instructional buildings. The buildings were partially renovated in the early 1970s and are currently in need of a comprehensive renovation if they are to be kept in service.

HOW WOULD THIS PROJECT ADDRESS EDUCATIONAL PLANNING NEEDS?

If feasible, the renovation would be an opportunity to temporarily house programs prior to the construction of their permanent facilities, as well as to accommodate growth without using

temporary buildings. The buildings could also permanently house instructional space that is suited to the high-bay open spaces in 28A, such as open access laboratories for student independent work, simulation and virtual reality laboratories, and smaller-sized instructional spaces and offices that could be designed to fit into these concrete structures.

HOW WOULD THIS PROJECT IMPROVE THE RELATIONSHIP OF THIS FACILITY TO OUTDOOR SPACES AND CIRCULATION?

The General Instruction project would extend the lifespan of existing instructional space that is adjacent or near to the new Library/Learning Resources facility, the new Technical Education facility (both described in this chapter), and many other instructional buildings. Buildings 28A and 28B would be served by the adjacent Transit Center, as well as the parking and passenger loading zone in Lot D. Due to their proximity to Temple Avenue and new buildings, these facilities would have limited access to large outdoor open spaces.



Images of similar facilities at other colleges:



FACILITIES RECOMMENDATIONS: MAJOR RENOVATIONS

HUMANITIES AND SOCIAL SCIENCES (26ABD)

WHAT WOULD THIS PROJECT RENOVATE?

The **Humanities and Social Sciences Buildings 26A, 26B, and 26D** project would renovate and/or repurpose instructional, office, and study space in the Humanities and Social Sciences Buildings.

WHY IS THIS PROJECT NEEDED?

The Humanities and Social Sciences Buildings and the Planetarium were originally constructed in 1967—though the Planetarium (26C) would not be included in this renovation project. Containing over 140,000 gross square feet in total, Humanities and Social Sciences Buildings 26A, 26B, and 26D are among Mt. SAC’s first large-scale instructional facilities. These buildings were partially renovated in 2008, but are currently in need of a comprehensive renovation to extend their lifespan.

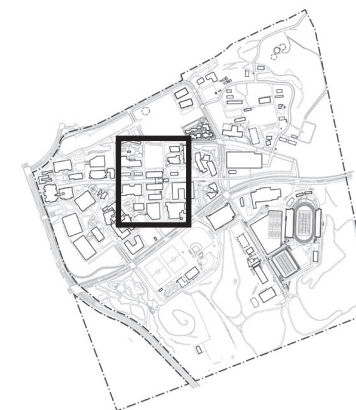
HOW WOULD THIS PROJECT ADDRESS EDUCATIONAL PLANNING NEEDS?

The Humanities and Social Sciences Buildings house a significant portion of Mt. SAC’s classroom inventory and this renovation would be an opportunity to better align Mt. SAC’s inventory of classrooms with class sizes in the College’s course offerings and improve classroom space utilization. Appropriately sized classrooms would also provide flexibility to rearrange equipment and seating, and thereby accommodate experiential learning activities as well as embedded counseling and tutoring. These strategies for improving student success would also be supported by open-student-access computer laboratories, and small multi-use spaces for supplemental instruction, students’ independent study, and peer collaboration. They would be co-located with faculty offices that would be configured to support interaction and

collaboration among students and faculty. The project would also be an opportunity to create larger spaces for the Writing Center and the Speech and Sign Success Center (SSSC) that would replace existing spaces that are insufficient for current needs. Plaza-level spaces in Buildings 26A and 26D that are readily accessible and visible to students as they pass by on Miracle Mile, are well-situated for these and other programs that serve many students. The renovation is also an opportunity to repurpose space for storage located near classrooms and class laboratories, and to provide storage and support facilities for the Planetarium, which annually conducts programs for thousands of K–12 students from schools throughout Mt. SAC’s District Service Area.

HOW WOULD THIS PROJECT IMPROVE THE RELATIONSHIP OF THIS FACILITY TO OUTDOOR SPACES AND CIRCULATION?

The Humanities and Social Sciences Buildings are arranged around a central plaza that was the eastern end of Miracle Mile before the Primary Educational Zone was extended farther east. Miracle Mile continues through narrow twin passageways between the buildings, which are choke points for pedestrian circulation. This project would be an opportunity to widen these passageways and strengthen the pedestrian connection to the east, following the principles of Universal Design. This could be accomplished by removing a portion of the ground level space in Building 26B, which currently houses the Speech and Sign Success Center (SSSC) and the Writing Center, and building two wide and universally accessible paths that converge to the east of the Planetarium.



Images of similar facilities at other colleges:



FACILITIES RECOMMENDATIONS: MAJOR RENOVATIONS

SCIENCE (7 AND 60)

WHAT WOULD THIS PROJECT RENOVATE?

The **Science Buildings 7 and 60** project would renovate and repurpose instructional, office, and study space in Science South Building 7 and Science Laboratories Building 60 as part of the rezoning of Mt. SAC's Natural Sciences Complex, following the construction of the new Science facility.

WHY IS THIS PROJECT NEEDED?

The construction of the new Science facility would provide additional space for the Natural Sciences Programs and would require the rezoning of existing buildings to organize the Natural Sciences Complex in a manner that improves the quality of student learning and interdepartmental collaboration, and promotes the efficient sharing of staff and resources. Science South Building 7 was constructed in 1960 and is the oldest instructional building in the Natural Sciences Complex. This building was partially renovated in 2008 and requires additional work to extend its lifespan. Since Science Laboratories Building 60 was constructed in 2006 and is in good condition, the focus of this project is to repurpose specific spaces within it.

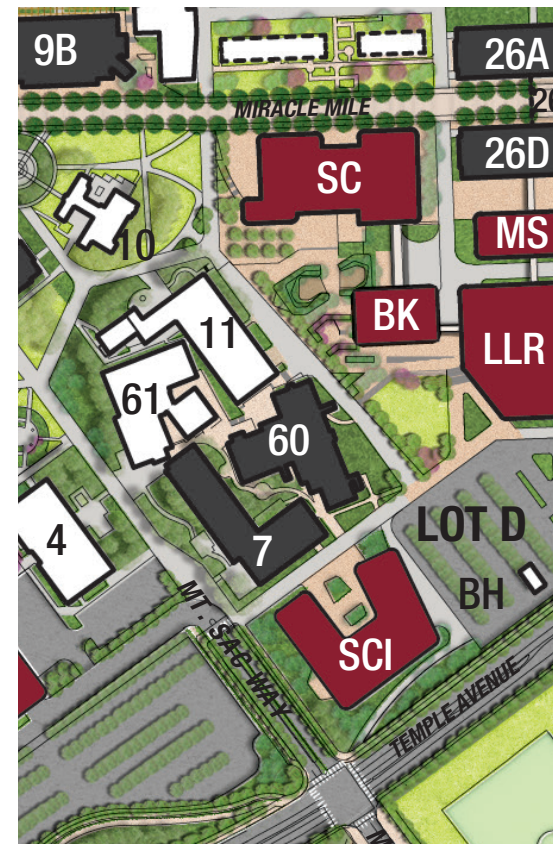
HOW WOULD THIS PROJECT ADDRESS EDUCATIONAL PLANNING NEEDS?

The renovation would provide the opportunity to embed tutoring and counseling services close to classrooms and class laboratories, and to zone and design these facilities with space and adjacencies that promote interaction and collaboration among students, faculty, and staff. The repurposed facilities would simplify the implementation of Mt. SAC's Laboratory Safety and Chemical Hygiene

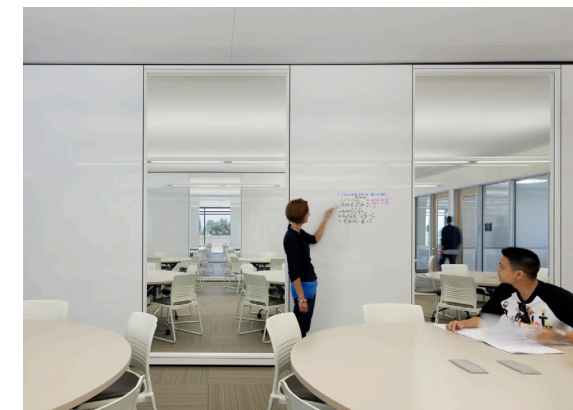
Plan by including up-to-date storage and handling facilities.

HOW WOULD THIS PROJECT IMPROVE THE RELATIONSHIP OF THIS FACILITY TO OUTDOOR SPACES AND CIRCULATION?

Science South Building 7 and Science Laboratories Building 60 would continue to serve as important facilities in Mt. SAC's Science Neighborhood. This renovation would reconfigure their entrances and circulation for improved connection to the new Science building and courtyard.



Images of similar facilities at other colleges:



FACILITIES RECOMMENDATIONS: MAJOR RENOVATIONS

STUDENT SERVICES (9B)

WHAT WOULD THIS PROJECT RENOVATE?

The **Student Services Center 9B** project would renovate and repurpose space in Mt. SAC's existing Student Services Center for use by the services in the Intake/Processing/Transactional Student Services cluster. This project would follow the opening of Mt. SAC's new Student Services North facility and the relocation of the General Support Student Services cluster to the new facility.

WHY IS THIS PROJECT NEEDED?

Mt. SAC is expanding its Student Services facilities to accommodate the College's projected enrollment growth and to provide permanent facilities for all programs. The consequences of building new facilities include the need to rezone existing Student Services facilities, such as Student Services Center 9B, in a logical manner that promotes integration and helps students easily navigate among related services.

Since it opened in 1994, Student Services Center 9B has been well-used, serving and being visited by almost every student that has attended Mt. SAC. Although this building was partially renovated in 2006 and is in good condition, this project would refresh the exterior and interior materials, fixtures, and finishes that have been worn from heavy usage.

HOW WOULD THIS PROJECT ADDRESS EDUCATIONAL PLANNING NEEDS?

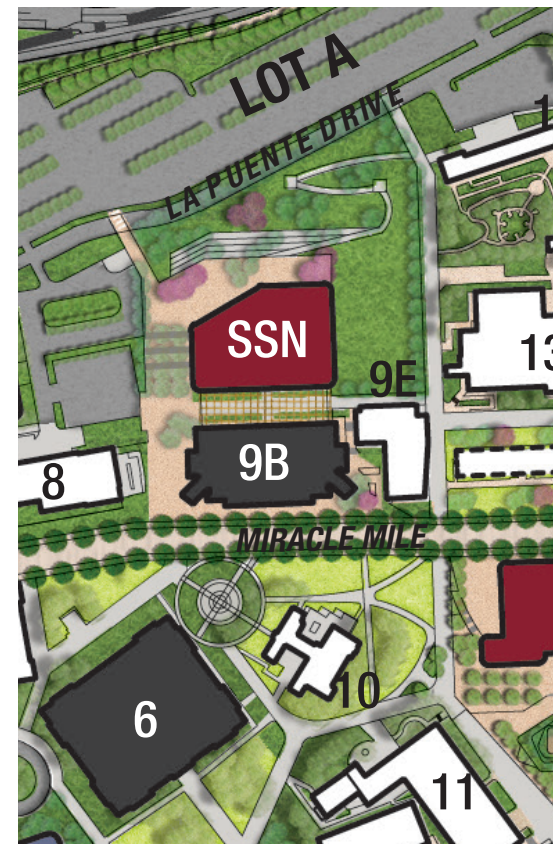
The renovation of Student Services Center 9B would rezone the building and repurpose the spaces vacated by programs that are moving to the new Student Services North facility. This move

and renovation would provide additional space for Student Services that are currently housed in insufficient or poorly configured spaces, and would thereby optimize the delivery of services to students.

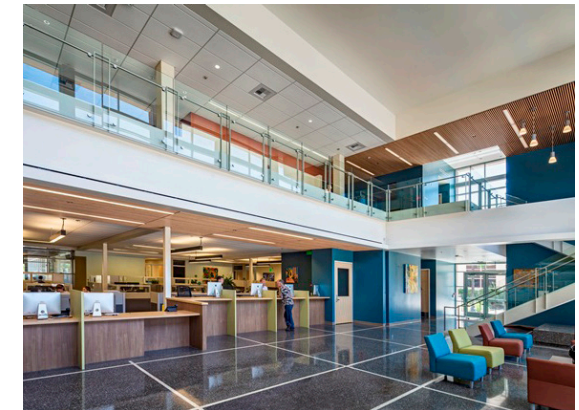
Students would be welcomed into flexibly-configured interior environments that promote access and interaction, and facilitate procedures that protect their confidentiality. Workspaces would be redesigned in accordance with an open space, flexible-with-options model that allows for the fluid rotation of staff members. In addition, all spaces would fully comply with the tenets of Universal Design and provide for ergonomic accommodations in technology-rich spaces where students could attend workshops, access physical and online resources, and receive assistance individually and in groups.

HOW WOULD THIS PROJECT IMPROVE THE RELATIONSHIP OF THIS FACILITY TO OUTDOOR SPACES AND CIRCULATION?

As the center for Mt. SAC's In-take/Processing/Transactional services, Student Services Center 9B would continue to be the first campus destination for prospective and new students. Its central location on Miracle Mile facilitates access from both directions. The new Founders Green would provide an adjacent outdoor space for studying, gathering, and outreach events that promote services to students. The connection to the new Student Service North facility (described earlier in this chapter) would occur through a new courtyard that would provide additional outdoor study and socializing space. Ample parking and passenger loading would be provided in Lot B and Lot A.



Images of similar facilities at other colleges:





OTHER FACILITIES PROJECTS

FACILITIES RECOMMENDATIONS

OTHER FACILITIES PROJECTS

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FACILITIES RECOMMENDATIONS

MINOR PROJECTS AND SCHEDULED MAINTENANCE

MINOR PROJECTS

Minor Projects, though small in scope, are necessary to provide needed space for instruction, offices, and storage, as well as workspace for the staff members that maintain every part of the campus and oversee its operations. Nine of these projects are described below.

The Minor Projects category also provides Mt. SAC with flexibility to address needs that could not be anticipated during the preparation of the EFMP, when detailed project scopes and phasing were not yet finalized. It does this by allocating resources for other small projects that will be defined as the need for them arises.

Brackett Field Improvements

This project would build a permanent facility for Mt. SAC's well-regarded Aeronautics Program and championship Flying Team that would replace Mt. SAC's facilities that opened in 1991 on land that the College leases at Brackett Field Airport in La Verne, California. The existing pre-engineered metal structure does not fully support the program's current and projected needs, necessitating the expense of leasing additional hangar and aircraft tie-down space on a month-to-month basis. This project would provide a secure permanent facility with sufficient instructional space, such as a classroom for group instruction, rooms for individual instruction, a virtual reality simulation laboratory, faculty office, and storage space. The project would also provide sufficient hangar space for Mt. SAC's fleet of single-engine aircraft and large equipment, and space for multi-engine aircraft that would allow the program to

expand its instructional offerings. The new facility would include sufficient aircraft tie-down spaces, including shaded spaces. Also included would be accessible parking and restroom facilities, prominent building signage, and directional signage to guide students to the facility.

Plans by Brackett Field Airport to remove the existing North Hangars present the opportunity to explore the suitability of other locations within the airport that may better serve the College's long-term needs.

Communications Tower Replacement

The proposed Communications Tower would replace the existing communications tower, at a location slightly to the south of the existing tower on Reservoir Hill. The existing tower is approximately 40-feet high and would be replaced with an approximately 100-foot high tower with an adjacent equipment cabinet. The proposed tower would support 2-way communication for the campus associated with the Emergency Operations Center (EOC), the Alertus campus emergency mass notification system, and broadcast transmission for the campus radio station, 90.1 FM Mt Rock.

LEGEND

- PROPERTY LINE ---
- EXISTING PERMANENT FACILITIES
- EXISTING TEMPORARY FACILITIES
- MINOR PROJECTS
- UTILITIES INFRASTRUCTURE (UNDERGROUND)



FACILITIES RECOMMENDATIONS

MINOR PROJECTS AND SCHEDULED MAINTENANCE (cont.)

Fire Training

This project would construct an on-campus training facility for Mt. SAC's Fire Technology Program that would supplement the use of off-campus training facilities and burn towers. The facility would include indoor storage for the program's fire engines and equipment, and a secure outdoor multi-purpose training area.

Mt. SAC is aware of the site's close proximity to and elevation overlooking the existing residences in the Snow Creek neighborhood and the need to be sensitive to potential neighborhood impacts.

Heritage Hall Education Center

This project would build a large multi-purpose lecture facility within the Physical Education Complex and would be designed and built as an integral part of the Complex. In addition, the facility would feature exhibit space for the many awards and mementos from Mt. SAC's history of athletic achievement.

M&O Building 47 Renovation

This project would complete the renovation of Maintenance and Operations Building 47, which was constructed in 1968 and partially renovated in 2013. This renovation would repair and upgrade the building's workshops and outdoor work areas to improve safety and efficiency. It would modernize workspaces to support the operation of a sustainable, state-of-the-art campus.

Receiving/Transportation Building 48 Renovation

This project would repair and replace specific elements of Mt. SAC's shipping/receiving and warehousing facility and garage/transportation

support office. It would renovate and reorganize the facility's outdoor work areas and build covered storage for the College's service vehicles and equipment.

Reuse Depot

This project would construct a new building next to the existing Receiving/Transportation Building 48 and would improve and reconfigure the surrounding site. The building would provide secure, climate-controlled warehouse space to store furniture, equipment, and materials for reuse on the campus. This facility would include offices and space that is outfitted to support the reuse, recycling, and diversion of waste from landfills. This resource could be shared with community members during outreach events that promote the benefits of waste diversion.

Sand Volleyball Courts, Athletics Toilet Rooms, and Concessions

This project would build sand volleyball courts, toilet facilities, and concession space within Mt. SAC's Athletics Zone. These facilities would be located where the toilet rooms and concession would also be available to spectators at the adjacent soccer fields, as well as visitors to the Wildlife Sanctuary.

Studio Theater 2T Renovation

This project would renovate the Studio Theater in Building 2T of Mt. SAC's Performing Arts Center. The renovation would improve the functionality of the College's 100-seat black box theater as a performance venue and as a laboratory for technical theater instruction, by upgrading its lobby, sound/support booth, and stage-lighting support grid.

SCHEDULED MAINTENANCE

Scheduled Maintenance projects are intended to keep existing campus facilities in good condition throughout their years of service to the College. The State Chancellor's Office maintains its Scheduled Maintenance and Special Repairs Program, which provides funding to districts for non-recurring repair and maintenance of facilities; and to correct and avoid health and safety hazards, maintain an environment conducive to learning, and improve long-term cost effectiveness of facility operations.

Mt. SAC participates in the State program and maintains a list of planned scheduled maintenance projects that is submitted to the State Chancellor's Office each year. Because program funding partially covers state-wide maintenance needs and grants are limited, it is necessary for community college districts to identify all of their maintenance needs and supplement the State funding accordingly.

The EFMP recommends the allocation of resources to supplement State funding for Scheduled Maintenance and address all of the life-cycle maintenance needs of campus facilities and site improvements by repairing or replacing systems and components as they reach the end of their life expectancies.

Inspirational Photographs





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MT. SAN ANTONIO COLLEGE 2018 EDUCATIONAL AND FACILITIES MASTER PLAN
CBT AND HMC ARCHITECTS / DRAFT DATED 02/15