

Stepping into Sustainability — Master Plan for the

JUNIPER CANYON CAMPUS AT HERRIMAN

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Introduction

As Salt Lake Community College approaches its 64-year anniversary it is positioning itself to establish the necessary physical environment to meet its academic mission in the southwestern corner of Salt Lake County. The formation of Salt Lake Community College's Juniper Canyon Campus at Herriman allows the institution to address challenges: rapid community population growth, landlocked existing campuses, emerging academic markets, sustainability strategies, advancing technological requirements, and limited funding streams.

To help address these issues, SLCC initiated the development of a Comprehensive Campus Master Plan for SLCC Juniper Canyon Campus at Herriman. The Master Plan is intended to assess and quantify the site's ability to accommodate physical development and provide a flexible "blueprint" to guide growth in a consistent and harmonious manner with the institutional mission while crafting a campus with unique character. The plan is a framework for sustainability within which the College has the flexibility to strategically manage physical growth, incentivize sustainable development, and optimize opportunities for institutional and business partnerships on campus.

Message from President



I am delighted to introduce Salt Lake Community College's newest campus located in Herriman. The Juniper Canyon Campus Master Plan provides the strategic framework for the development of the Juniper Canyon Campus over the next fifty years and support for SLCC's development of the National Institute of Advanced Energy Training as a national training provider in emerging energy technologies.

The Master Plan was prepared using thorough campus-wide consultation with SLCC faculty, staff, and student perspectives. The objectives of the master plan included:

- Crafting a cohesive and flexible framework for campus development;
- Ensuring effective and efficient space utilization;
- Encouraging an active dialog to promote participation and consensus;
- Respecting SLCC heritage while developing a distinctive environment to reflect the values of the Energy Institute;
- Enhancing the student and staff experience.

This coherent vision with supporting strategies and projects is presented as a tool to establish this 90-acre campus, craft a framework to develop approximately 1 million square feet of academic facilities, and enable the development of the most sustainable campus in the nation.

The Juniper Canyon Campus Master Plan reflects SLCC's vision and passion—becoming one with the community while providing the most contemporary higher educational opportunities possible.

Cynthia A. Bioteau

Dr. Cynthia A. Bioteau
President, Salt Lake Community College

image & identity

implementation

growth & capacity

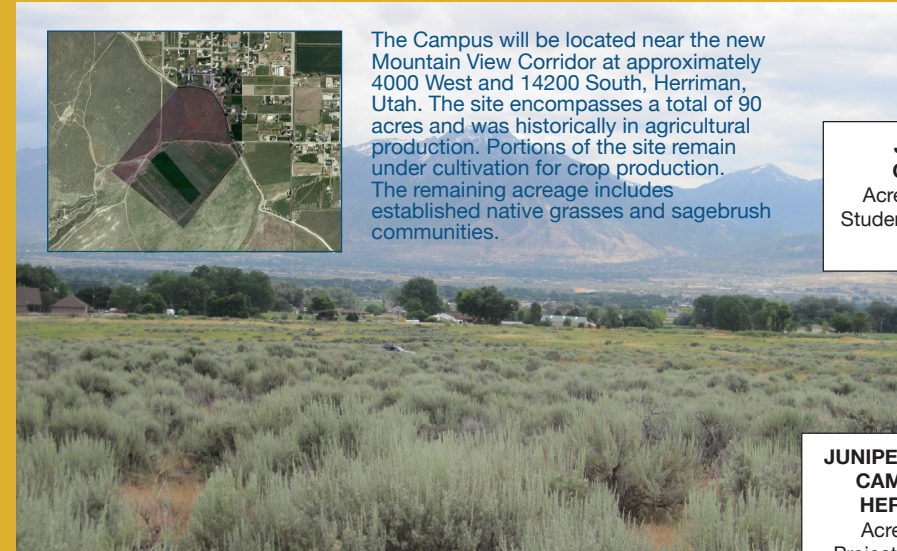
student life distinctive environment

Institutional Profile

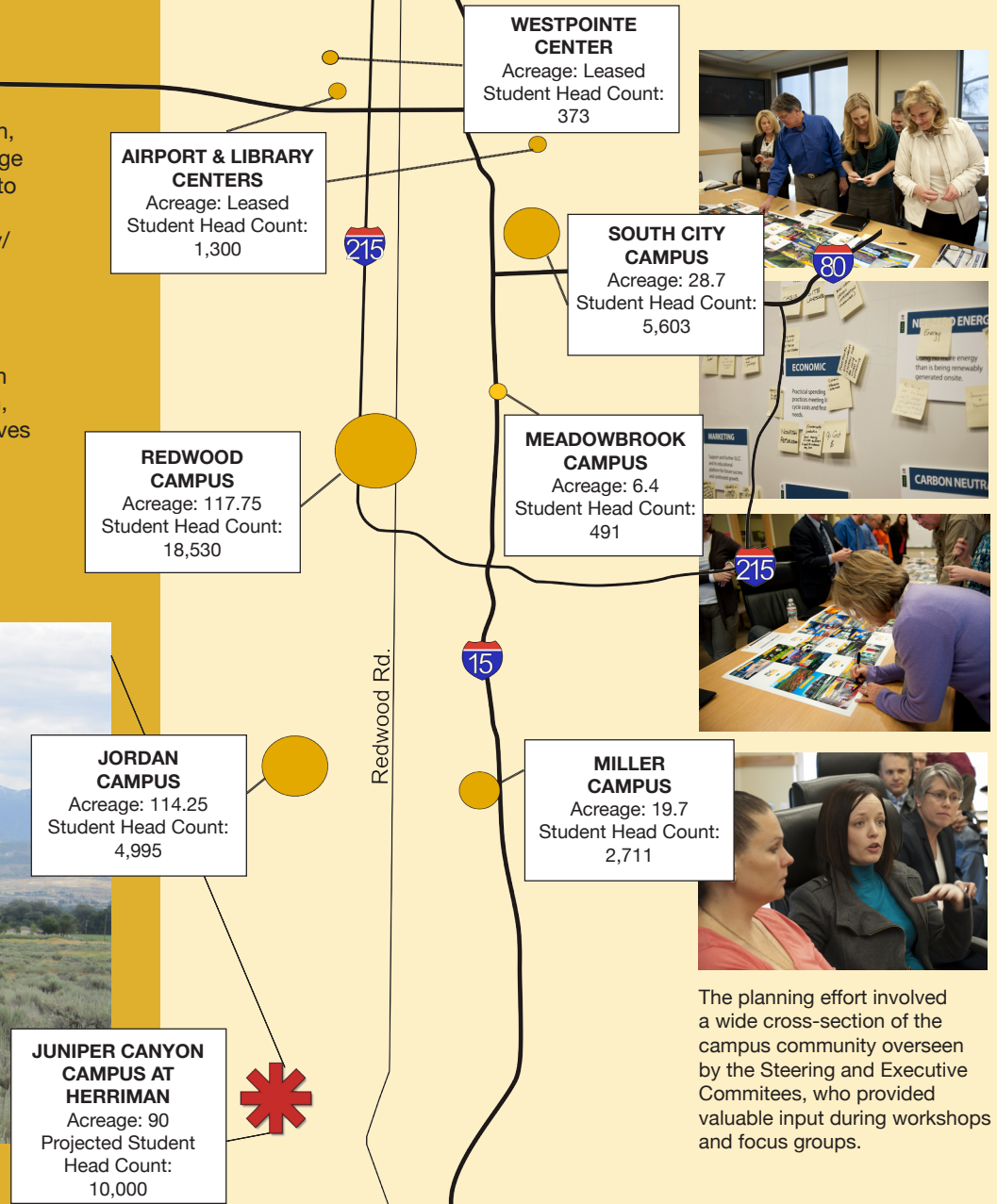
Founded in 1948, SLCC is the largest higher education institution in Utah, operating in thirteen locations throughout the Salt Lake Valley. The College has rapidly grown from its early use of West High for vocational training to over 300-plus acres and 2.1 million gross square feet of physical space. Currently the college serves more than 31,000 students with 1100 faculty/staff members (fall 2012 data) and student enrollment continues to grow steadily.

This growth in enrollment has required the institution to consider several options for serving areas of the Salt Lake Valley where population growth is exponential and to maintain and expand quality facilities for education, student enrichment, research partnerships, and other institutional initiatives and activities.

Location & Site

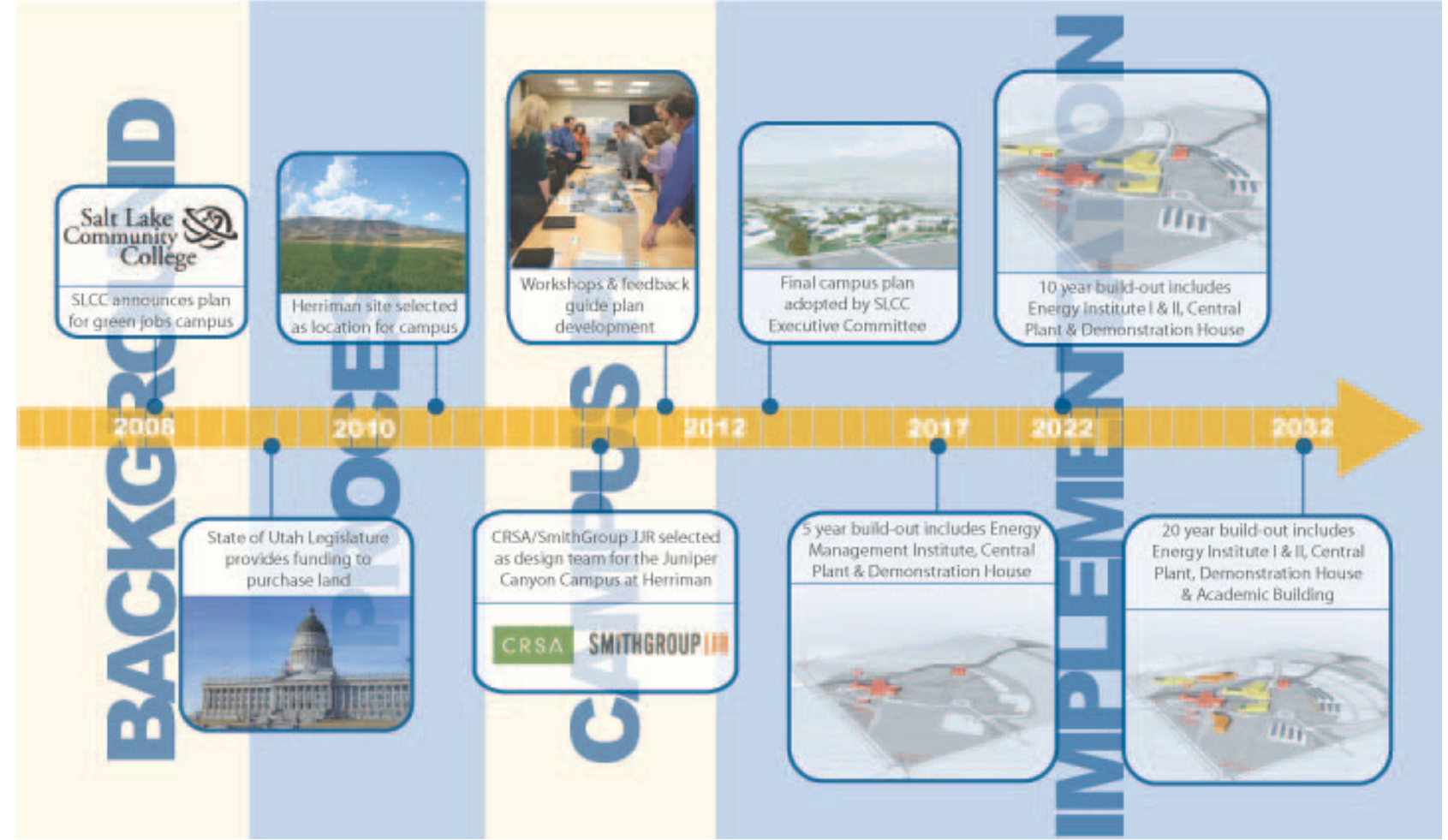


The Campus will be located near the new Mountain View Corridor at approximately 4000 West and 14200 South, Herriman, Utah. The site encompasses a total of 90 acres and was historically in agricultural production. Portions of the site remain under cultivation for crop production. The remaining acreage includes established native grasses and sagebrush communities.



The planning effort involved a wide cross-section of the campus community overseen by the Steering and Executive Committees, who provided valuable input during workshops and focus groups.

Timeline



Headcount & Buildable Square Foot Projections

JUNIPER CANYON CAMPUS AT HERRIMAN					
Planning Horizon year	0-5 2015	10 years 2025	20 years 2035	Long Range 2045+	Site Capacity Future
Projected FTE	644	1,917	4,000	5,136	7,515
Projected GSF	85,000	253,000	528,000	678,000	992,000
Average GSF/1 FTE Ratio	132	132	132	132	132
Projected Headcount at 1.66	1,069	3,182	6,640	8,526	12,475
Projected Faculty & Staff at 10%	64	192	400	514	752
Total Projected Campus Population	1,133	3,374	7,040	9,039	13,227
Population Change from Earlier Period		2,240	3,666	1,999	1,707
Projected Parking Spaces at 1:2.6	436	862			
Projected Parking Spaces at 1:3.2			2,133		
Projected Parking Spaces at 1:4				2,260	
Projected Parking Spaces at 1:4.5					2,970
Herrian Campus Acreage	90	90	90	90	90
Campus Site in SF	3,920,400	3,920,400	3,920,400	3,920,400	3,920,400
Projected GSF	85,000	253,000	528,000	678,000	992,000
Projected FAR	0.02	0.06	0.13	0.17	0.25

DATA COLLECTION

The initial planning process involved the collection of data and interviews with College administrative staff and department heads. Data collected included Fall 2011 FTE and student head counts, existing gross square footage (GSF) by campus, campus acreage, parking spaces per people, campus floor area ratios (FAR), and master planned build out in GSF by campus. Utilizing data detailing SLCC's regional campus growth and looking at long term goals for program growth at SLCC's Juniper Canyon Campus at Herriman were invaluable planning drivers for establishing enrollment projections, facility space needs and campus build-out square footage.

FACILITY SPACE NEEDS

Future space needs were determined by analyzing space utilization at peer campuses, and enrollment projections in four categories (Energy Institute, general enrollment, CTE enrollments and online learners). These estimates were validated by comparing them with with population growth estimates for both the Salt Lake Valley, as well as growth in the southwest quadrant of Salt Lake County. The master plan development program for the campus reflects general facility needs for the next 50 years, although a detailed development program for the next thirty years and beyond was also prepared to reflect specific campus building needs and the build-out capacity of campus.

Previous master planning of existing SLCC campus locations left the detail of individual building use and defined square footage for future determination. The master plan for the Juniper Canyon Campus includes potential footprints, building heights, and potential building use to assist in planning for campus infrastructure needs and demands.

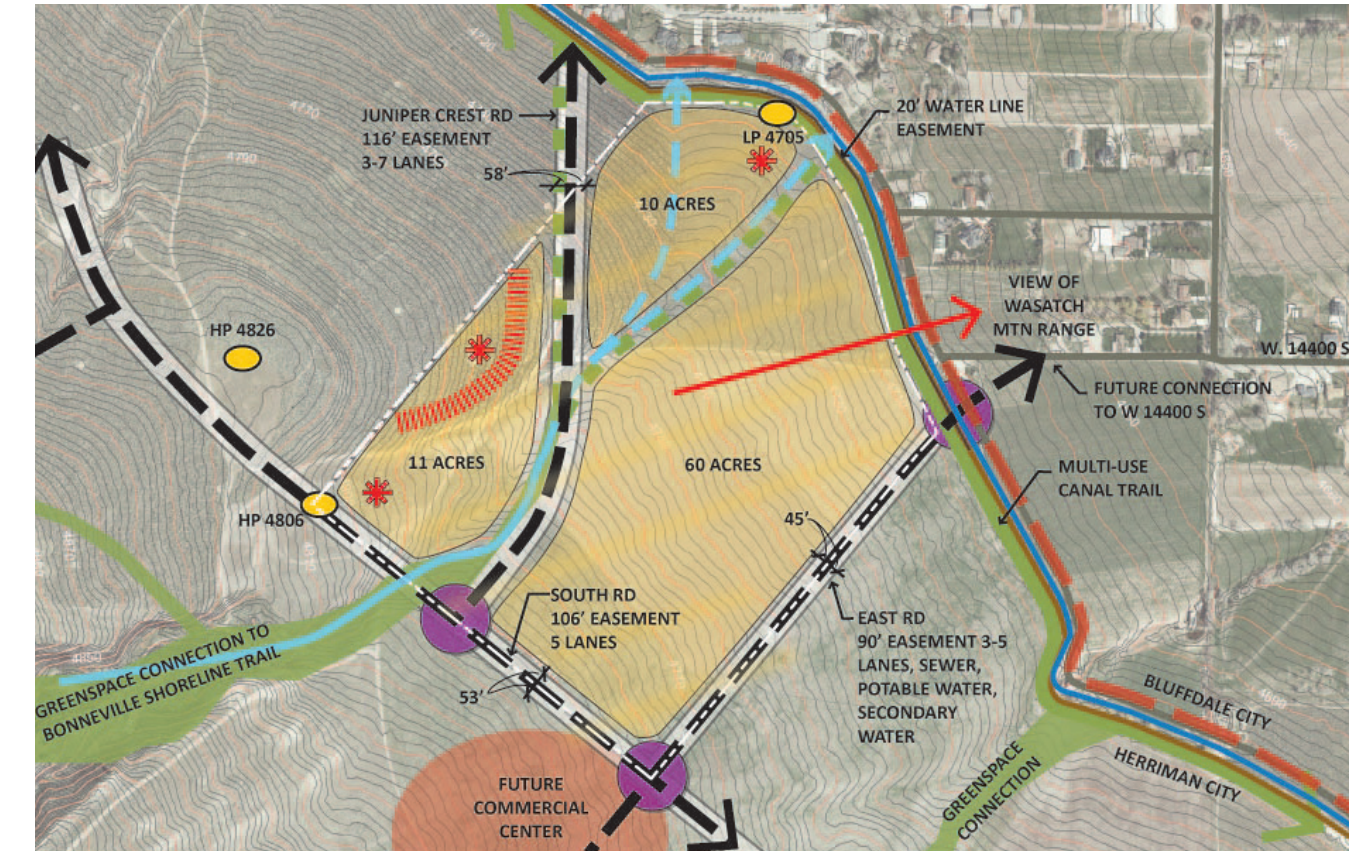
CAMPUS GROWTH

Building a campus from scratch involves understanding initial space needs, development and state funding opportunities, and partnership models. The campus master plan estimates a single, approximately 85,000 square foot building would be the cornerstone of development activity. This facility will accommodate an estimated 650 FTE in 2015. Growth was estimated by decade, with 2025 accommodating 1,900 FTE, 2035 accommodating 4,000 FTE and 2045 accommodating 5,200 FTE. The Juniper Canyon Campus Master Plan is planning for a total projected campus population of 13,200, including students, faculty, and staff at its build out in fifty-plus years.

PARKING PROJECTIONS

Future parking needs are based on how much parking is provided on SLCC campuses today. A sliding scale of parking ratios was applied to each proposed decade of SLCC's Juniper Canyon Campus growth. The early years reflect the need for more stalls per individual. As public transit grows to service this campus fewer stalls per users will be needed. Project parking spaces of 1 stall for every 2.6 users in 2015 requires 430 stalls initially and will adjust over time to 1:4.5 at campus build out when a total of almost 3,000 stalls will be available.

Campus Composite Framework Plan



Thoughtful analysis of the site's existing natural systems, understanding of the cultural influences found throughout the Salt Lake Valley Region, and the development potential of the surrounding communities informed the planning philosophy from which the Master Plan design was developed. The character of the Master Plan was derived from careful study of the site's significant natural and cultural features such as the

land contours, site hydrology, wind patterns, solar orientation, circulation patterns and opportunities, site views, and existing infrastructure. Each character element significantly influenced the overall organization of the Master Plan. Combined together, they create the framework for the direction of the SLCC Juniper Canyon Campus at Herriman.

Campus Vision

As a model of sustainable innovation and education, the Salt Lake Community College's Juniper Canyon Campus at Herriman will engage the community, foster economic stewardship, and serve as a destination for state-of-the-art programs.

The Master Plan for SLCC Juniper Canyon Campus at Herriman lays out a broad vision to support a state-of-the-art Energy Institute which will attract commercialization opportunities and innovative companies and institutions to coordinate with its academic departments supporting regional and global energy technologies. SLCC Juniper Canyon Campus at Herriman will provide an interdisciplinary educational model that will foster collaboration among private sector interests, college faculty and students, and build relationships with other higher education institutions.

The primary vision for SLCC Juniper Canyon Campus at Herriman is to optimize the sustainability and long-term viability of three factors: economic, academic and environmental. The campus must build upon its base of general education offerings to support the broader community while supporting the growth of the technology innovation center and commercialization opportunities. Participating in the research, development, demonstration and deployment (R & D3) chain, the college will focus on broadening opportunities for the SLCC student body through development, demonstration and deployment. As a place, SLCC Juniper Canyon Campus at Herriman must embody innovation and sustainability in its physical design and operation. The Campus has the opportunity to be one of the most sustainable campuses in North America.



Campus Planning Philosophy

Salt Lake Community College has supported a planning philosophy rooted in its mission and founded on the principle that its many campuses exist as places for learning. High quality campuses are thoughtfully planned environments to allow for and inspire personal growth. They are also incubators for learning, collaboration, and communication. The campus's quality is measured by how well the physical environment supports its diverse constituents and functions. In the end, SLCC's physical campus environs are, and will be, a testament to its overall institutional success.



Aerial View - Looking West



SITE PLAN

- 1 - Student Commons
- 2 - Energy Institute I
- 3 - Energy Institute II
- 4 - Demonstration House
- 5 - Academic/Potential Partnership
- 6 - Administration
- 7 - Central Plant
- 8 - Academic
- 9 - Pavilion/Amphitheater
- 10 - TRAX Station



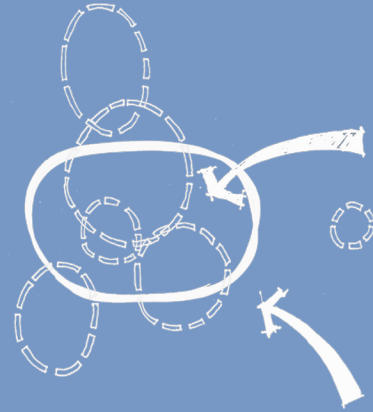
Legend

- Central Campus Quad
- Gateway Landscape
- Infiltration Zones / Rain Gardens
- Xeriscape Zones
- Detention
- Juniper Canyon Greenway
- Campus Edges / Native Landscape
- Oak Tree Stand
- Irrigated Tree Canopy
- Drought Tolerant Tree Canopy

Master Plan Attributes

The Master Plan establishes a framework for coordinating future development and physical change. This framework establishes patterns and characteristics that maintain the campus's unique qualities while identifying strategic opportunities for growth. Because the physical environment has a tremendous influence on the excellence of education, quality of life, and the image of the College, the Master Plan serves as a guide for shaping and reinforcing the campus's unique attributes, institutional culture, and academic mission.

The Master Plan itself is not the only product of the planning process. The campus community, especially its leadership, has developed a clear understanding of, and commitment to, the plan's basic principles and concepts. This has been accomplished by stressing participation and interaction throughout the planning process so that Salt Lake Community College can proceed with confidence in implementing the Juniper Canyon Campus Master Plan in years to come. The following attributes are integral to the SLCC Campus planning approach:



COHESIVENESS AND FLEXIBILITY: To be useful over a long period of time, the Master Plan must provide a cohesive and flexible framework for future decision-making. The plan is cohesive by being established to assist in the development of stable elements such as significant facilities and major infrastructure elements. The plan's flexibility is its emphasis on the unforeseen future as well as known directions. Through the planning process assumptions were examined, unknowns recognized, and the less certain variables such as budgets, enrollments, and program developments considered.

PARTICIPATION AND CONSENSUS: By encouraging an active dialogue, the planning process created a forum for sharing ideas and for educating the campus community about existing assets that merit protection, factors that craft decisive development, and alternative approaches to achieve desired results. This participation yielded a responsive plan that is both widely understood and supported through consensus.

COMMUNICATION: Open communication was enabled through a variety of venues including multiple campus visits, interactive workshops, public open houses, a dedicated SharePoint site, and a university-wide communications plan.

IMPLEMENTATION: Implementation is the final test of all master-planning efforts. A successful plan places emphasis on realistic recommendations that are clearly and thoroughly presented. SLCC's investment of time and energy has crafted a foundation so individual projects can move forward with confidence and short-term plans are consistent with long-term campus objectives. Ongoing institutional project review and approval will continually guide implementation of the Master Plan.

Master Plan Goals

The Master Plan's over-arching goal is to create a well-organized, engaging, educationally effective, and distinctive environment for the students, staff and faculty. To achieve this unity, the Master Plan recommends crafting a strong physical framework for development, establishing sustainable campus organizational patterns, and incorporating innovative technologies. Throughout the Master Planning process, special attention has been placed on opportunities to develop a comprehensive campus organization and character that matches its unique site while providing an adequate infrastructure to accommodate growth. The Master Plan's goals are derived from the following key planning issues:

GROWTH AND CAPACITY

Issue: At 90 acres, the Salt Lake Community College's Juniper Canyon Campus at Herriman will accommodate over 1 million GSF of building space. With land a diminishing resource in the Salt Lake valley, the Master Plan needs to address the campus's capacity to support sustainable future development. It must also address how the institution can most efficiently plan for physical facilities and infrastructure to meet future demands.

Goal: Craft a plan for the Campus's ideal development including milestones where significant infrastructure projects are required to support the desired growth along with balancing budget and physical constraints.

DISTINCTIVE ENVIRONMENT

Issue: The SLCC Juniper Canyon Campus at Herriman should evolve in response to its unique physical setting and academic mission. It must be well organized, safe, and portray a physically distinctive setting, specifically tailored to SLCC.

Goal: Identify appropriate development patterns and design guidelines representing the college's suburban and high mountain desert environment.

IMAGE AND IDENTITY

Issue: The Campus's physical appearance will be a direct reflection of the College's Energy Institute. The Master Plan shall provide recommendations and design guidelines that appropriately reflect SLCC's leadership in energy management and training.

Goal: Establish planning recommendations and design guidelines that will provide a high quality distinctive image and identity consistent across the SLCC Juniper Canyon Campus at Herriman.

STUDENT LIFE

Issue: The College's enrollment, programmatic, and physical growth require facilities which support student life.

Goal: Develop the physical environment for students in terms of facility types, higher facility standards, and quality-of-life amenities.

IMPLEMENTATION

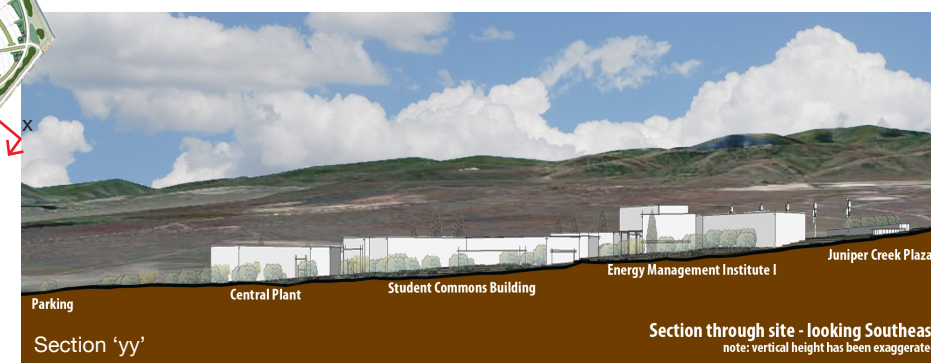
Issue: A successful Master Plan is one that can be implemented over time while continually reinforcing its planning principles and strategies.

Goal: Establish a flexible overall planning framework that will define general directions while maintaining the ability to respond to unanticipated opportunities and/or challenges.



Energy Institute View - Looking Northeast

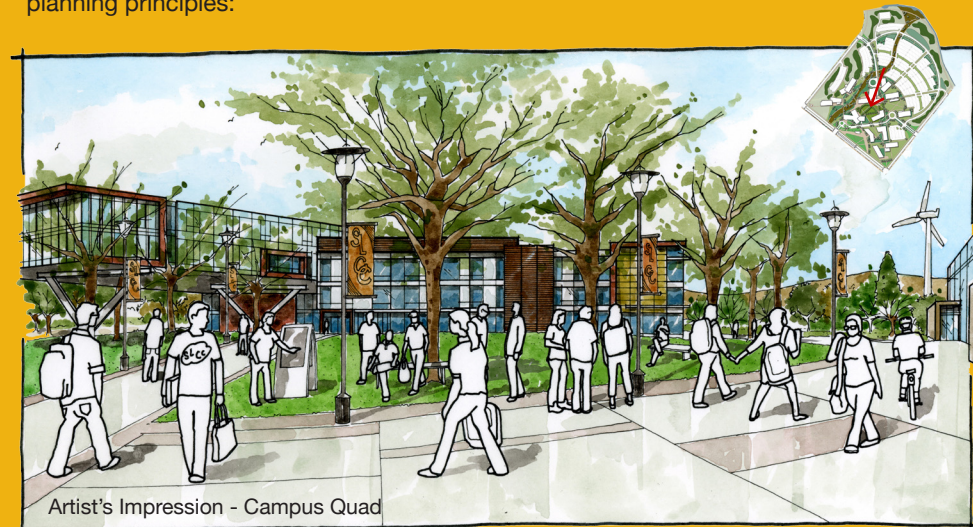
SITE SECTIONS



Organizational Strategies

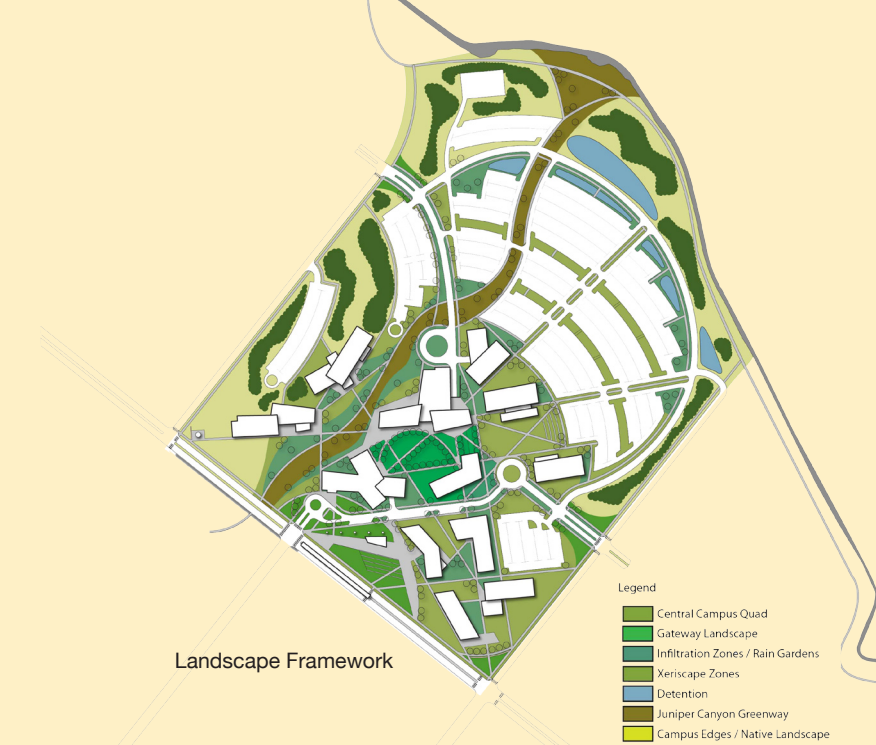
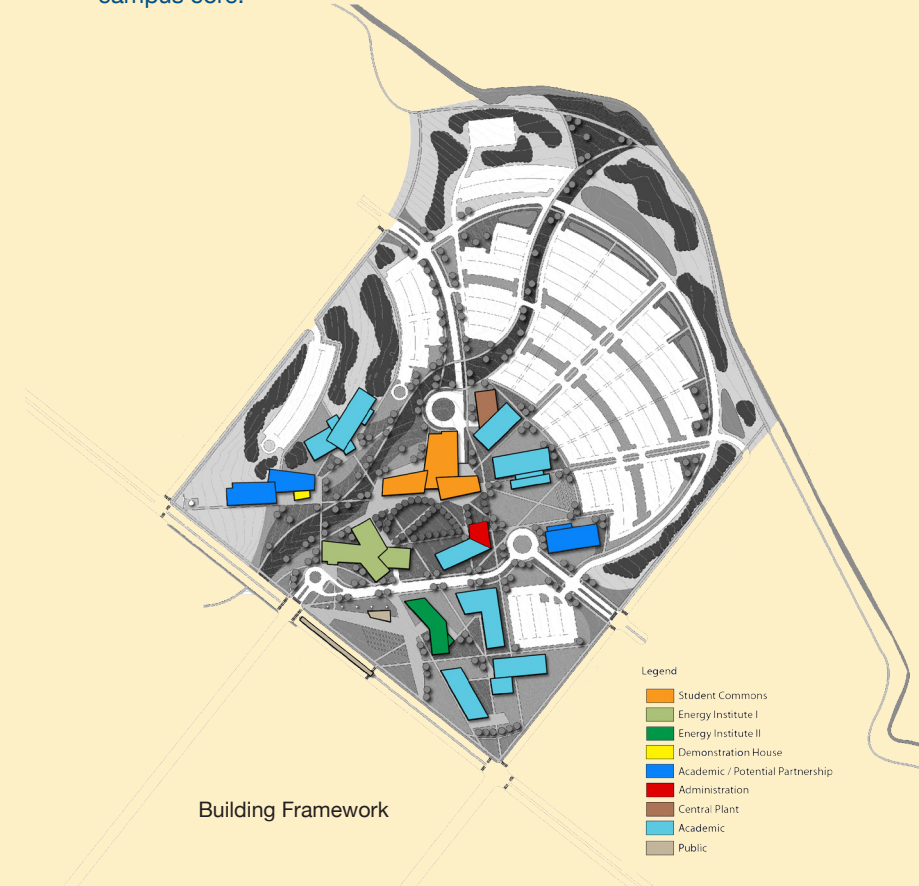
SLCC's Juniper Canyon Campus at Herriman is located within Salt Lake County, Utah, adjacent to the Mountain View Corridor in the rapidly expanding city of Herriman. Herriman City, with a population of 25,000, is within reach of regional recreational and business development opportunities. Forecast growth in the southwest quadrant of the Salt Lake Valley is double the rate of other quadrants. For SLCC, this added population fuels institutional growth and also solidifies the campus's perspective on flexible and sustained long-term development. The campus is situated in a well-defined pattern of suburban development that consists of a mix of commercial, service, and residential land uses. SLCC is working closely with the developers of adjacent parcels to avoid the typical "strip-mall type" land use patterns which may not provide a distinguishable community image for the campus. As a result, this document establishes an appropriate identity that sets the campus apart from the adjacent land uses.

As the Juniper Canyon Campus at Herriman grows over the next half-century, its physical organization will become more complex. In its first few decades, the College plans to develop an academic core unique in quality and character. The Master Plan reinforces the notion of the campus as a tapestry of buildings (parking), and open spaces with an emphasis placed on the careful composition of architecture, circulation corridors, and infrastructure systems. The Master Plan provides organizational strategies to effectively enable and manage future development. These strategies are derived from the established college mission, key planning issues and related goals and assessment and exploration of alternative organizational concepts. The organizational strategies for the SLCC Juniper Canyon Campus at Herriman are built around the following five major planning principles:



PRINCIPLE ONE: STRATEGICALLY DEVELOP AN ACADEMIC CORE

- Prioritize land use adjacent to the 4500 W campus entrance for the development of the Energy Institute surrounded by facilities for academic instruction and institutional partnerships, support services, and parking.
- Strategically infill new buildings to reinforce the dominant, solar-oriented grid.
- Strengthen the academic core's pedestrian nature by developing the Juniper Canyon trail, establishing parking at the campus perimeter, developing a strong open space network, and dedicating corridors for service vehicles which in time can be independent from those for pedestrians.
- Establish consolidated plant operations and maintenance at the edge of the campus core.



PRINCIPLE TWO: ESTABLISH A PATTERN OF OPEN SPACES TO SUPPORT VIEW SHEDS

- Organize the campus around a series of activity nodes interconnected by a strong pedestrian and open space system.
- Create a strong hierarchy of interconnected spaces and paths that build upon existing view sheds to establish a primary pedestrian corridor with secondary pathways that attach to the expanding residential and retail/commercial neighborhoods to the north, west and south, respectively.
- Reinforce the pedestrian circulation system by careful building placement.
- Develop a centralized open space in the heart of the academic core. The open space will be adjacent to the Energy Institute and backed by the Student Center surrounded by a mixture of building use types to facilitate academic and social interaction.
- Create open spaces of various sizes and character to support a variety of uses including passive recreation, active gathering, and individual contemplation.
- Develop a "signature" open space at the corner of 14400 S and 4500 W.
- Preserve the Juniper Canyon trail area as prioritized open spaces.

PRINCIPLE THREE: PLAN FOR A MULTI-MODAL CIRCULATION SYSTEM

- Strengthen the pedestrian-friendly academic core through a hierarchy of dedicated corridors with minimal vehicular conflicts.
- Establish efficient vehicular access from the surrounding community street system to campus parking lots where people can convert from a vehicular to pedestrian circulatory mode.
- Enable pedestrian movement from parking into campus with minimal vehicular conflicts.
- Establish major vehicular entrances at planned signalized intersections that provide convenient and safe access to major parking facilities.
- Provide an adequate number of parking spaces per population type that is consistent with national averages, for similar institutional types, and adjusted for local modal trends. The plan accommodates approximately 2200 parking spaces in surface lots, all linked by a main vehicular circulation spine.
- Appropriately distribute the parking supply to conveniently support campus population centers.
- Strengthen the utilization of alternative transportation modes (potential for bus-rapid transit/ long range TRAX route along 4500 West) to reduce the requirement for private automobile access to and storage on the campus. Coordinate with current and future regional transportation planning initiatives and provide incentives for utilization.



**PRINCIPLE FOUR:
STRENGTHEN IMAGE AND IDENTITY**

- Provide a strong and consistent edge that both sets the campus apart from and ties the campus together with the surrounding development areas.
- Develop “curb appeal” by bringing quality open space, landscaping, and signage to the campus edges.
- Develop a signature open space along 4500 West with the Energy Institute as a visual terminus.
- Reinforce the campus’s distinct high mountain desert context and composition with sensitive and sustainable design responses.



Artist's Impression - Demonstration plaza

**PRINCIPLE FIVE:
OPTIMIZE SUSTAINABILITY**

- Maximize land utilization by master planning for a total campus development capacity of approximately 1.1 million gsf. Within a range of 115 gsf to 140 gsf per student, it is estimated that all of the systems in the Master Plan can accommodate approximately 7500 FTE.
- Incentivize the development of renewable energy forms, such as wind, photovoltaic, ground source heating, and solar thermal and their incorporation into the campus’s central utility system.
- Optimize each proposed building’s development capacity utilizing building heights, orientation, and envelope. Consider locating multiple programmatic uses into combined facilities of appropriate size.
- Partner to establish a strong mixed-use development along 4500 West across from the campus’s main symbolic entrance.
- Develop a pedestrian underpass at Juniper Canyon trail and a mid-block crossing at the future TRAX station for safer access across the street.
- Develop a consolidated utility distribution system along primary and secondary loops.
- Implement building guidelines for defined energy reduction that becomes stricter over the life of the development.



Artist's Impression - Dry Creek Bed

Architecture Guidelines

OVERVIEW

Across institutions, architectural design guidelines represent a spectrum of approaches to development, from highly prescriptive (stylistic requirements and proprietary building materials) to visionary (expressions of purpose or intent). Salt Lake Community College’s Juniper Canyon Campus at Herriman encourages unity of development as a campus without resorting to strict uniformity of architectural style for its buildings. The campus should be perceived as a unified whole, with overarching organization relating to primary and secondary elevations, building entries, service nodes and materiality.

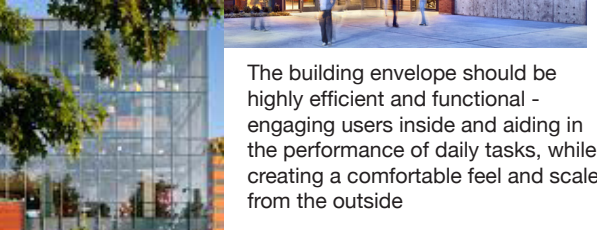
GUIDING PRINCIPLES

- Building design must be environmentally responsive through building orientation, renewable energy opportunities, fenestration, material selection, and must facilitate capturing daylight and views.
- Key nodes and gateways must be identified, capitalizing on the 14400 South entrance and the main campus entrance at 3500 West, (and the Mountain View Corridor secondary access road) to maintain safe access and egress from the campus.
- Building layout must create and shape outdoor space and develop a network of interconnected and diverse open spaces, which may include quads, courtyards, plazas, squares, and recreational fields.
- Construct three to four-story buildings, will increase density for more efficient land use of the finite land resource. Density reduces walking distances, vertically defines outdoor space, and crafts better opportunities for interaction among students (3-story buildings have been used for space planning).
- Parking should be adequate to support the space, but should not be a dominant feature. Surface lots should be located towards the perimeter of campus, where possible. Soften the design by integrating landscaping and pedestrian walkways. Consider parking terraces.
- A compact core and plan provide infrastructure efficiency. A future central plant location has been determined.
- Architectural style and building materials standards set forth within this document are grounded in this site and support the regional context.
- Principles of green building and sustainability, including passive energy strategies as well as current technology guide campus design.
- Site will be spatially organized to allow an orderly phasing of new facilities.
- USGCB Silver certification or higher and State of Utah High Performance Building Rating System compliance will certify third party sustainability efforts.
- Construction shall be commensurate with a collegiate campus.
- Plan and design for a building lifespan of 50 years.



Distinctive outdoor spaces, focal points, and landscape features are important for cognition of space and for maneuvering through campus

A play of transparencies and solids optimizes the use of daylight, while creating interesting patterns, rhythms, and texture. Well-articulated roof lines cap this vertical play of elements



The building envelope should be highly efficient and functional - engaging users inside and aiding in the performance of daily tasks, while creating a comfortable feel and scale from the outside

Principles of sustainability can be incorporated into, and celebrated in, architectural design and campus planning to reinforce the Institution’s sustainability drive





Primary facades present opportunities to enhance the arrival experience, terminate vistas, and serve as a backdrop for campus landscaping. These facades are suggested locations for transparencies and feature materials.



Combinations of materials, and juxtaposition of forms, bring variation in composition, color, and texture. Choice of accent materials is important for use at public entries.



Buildings should have a base, middle, and a top. An articulated ground floor is important, as it reinforces a building's connection to the public spaces upon which it fronts.

Sustainability Guidelines

Salt Lake Community College is visionary among higher education establishments by setting sustainability as a primary goal at the new Juniper Canyon Campus at Herriman. Specifically at this campus, sustainability is two fold: first the campus strives to embody responsible and environmentally-sensitive design and planning, and second to provide an innovative platform for sustainable education programs. All planning efforts have been guided by the specific site, as well as the future goals of the campus and curriculum. Some sustainability measures will be highly visible and evident to the public, while others may not be seen but are planned for environmental responsibility. This Master Plan would only be appropriate on this site and all future construction must be respectful to it and be informed by the following:

- land contours,
- short-term and long-range views,
- prevailing winds,
- solar orientation,
- walkability,
- site utilization for energy systems and efficiencies,
- stormwater infiltration and management,
- pedestrian priority,
- building daylighting, and
- view corridors into the site.

The more successful sustainable projects have been addressed with a holistic or integrated design approach where sustainability is intertwined with all design decisions. Building alignment, formation, height, phasing, and development will be sensitive to these guidelines and include strategies noted in this Master Plan and design guidelines. Strategies include stepping down with the contours of land, positioning glazing, building staggering and orientation to block winter winds while embracing cooling summer breezes.

SUSTAINABILITY DRIVING FACTORS

Early in the master planning process, a charrette was conducted with the project Steering Committee to identify and define the key driving factors for sustainability. This was achieved through discussion of key goals and evaluation of priorities integral to campus functions. As the new campus is shaped, planning for sustainability has been emphasized from the start which includes influencing building layout, parking and solar orientation. Concerns for sustainability will be carried through the life of the project and will influence daily use and operation of the facilities, structures and space on this campus.



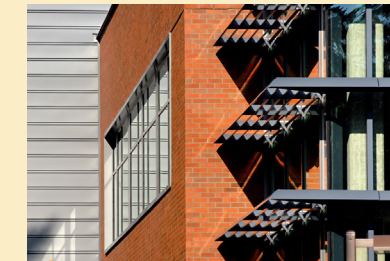
eco-efficiency

Enhance the environment by minimizing resource use, pollution, environmental impact and generating less waste; maximize goods and services created in the pursuit to self-sustain.



community

Be a consistent partner for sustainable community development; enhancing and supporting the region with integrated planning, cooperation, and investment that is beneficial to the community.



economic stewardship

Execute practical and enduring spending practices showing wise stewardship over capital improvements and life-cycle costs for lasting benefits.

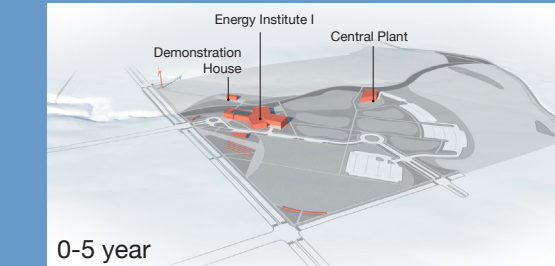


education

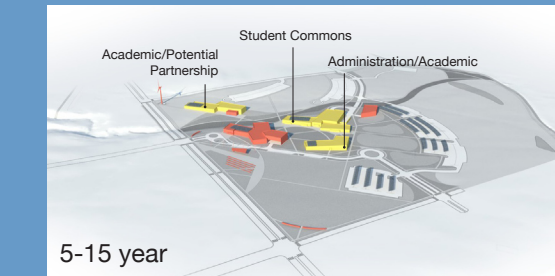
Understand and implement practices to support the National Energy Institute and the growth of sustainability education, as a leader of innovative education.

Phasing

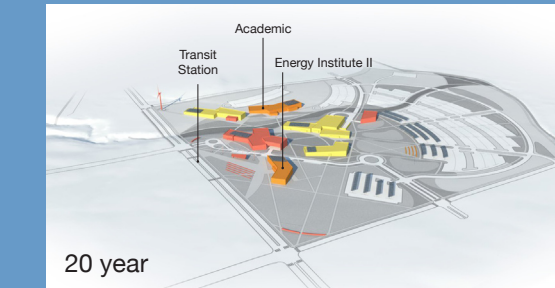
The phasing plan for SLCC's Juniper Canyon Campus at Herriman has been designed with a focus on sustainability. The philosophy of development focuses on building planned facilities, roads, parking and open space as permanent features in their appropriate phase, and discourages construction of temporary roads or parking during initial phases. This saves energy, materials and resources. The campus is designed to unfold outward in a radial manner from the first phase of the Energy Management Institute. SLCC recognizes the importance of formalized open space to create community and establish a sense of place. The Master Plan responds to this philosophy by incorporating exterior space for socialization and recreation into each phase. The landscape develops incrementally with each phase, incorporating a sustainable systematic approach to the master landscape plan. With the addition of new buildings and infrastructure in each phase, careful consideration is given to stormwater management and the enhancement of existing plantings versus disruption.



0-5 year



5-15 year



20 year

0-5 Year Phase: The Energy Institute and an Energy Demonstration House serve as the focal point of the 0-5 year phasing plan, prominently highlighting SLCC's innovation and curriculum. This phase is anchored by two of the master plan's organizing outdoor features: the Juniper Canyon Demonstration Plaza situated adjacent to the Energy Institute and the Juniper Canyon Trail.

5-15 Year phase: Three additional buildings are proposed during the 5-15 year phase, defining the center of campus through the creation of a campus quad. These include the development of a multi-purpose building/Student Commons and an academic/administrative building in the center, anchoring the campus quad. A classroom/conference center near the corner of 4500 W and 4000 W joins the Demonstration house.

20 Year Phase: Within the 20 year phasing plan, the campus extends its reach to the adjacent community through the addition of two buildings and a transit station. The transit line will travel the 4500 W corridor with a station adjacent to the Juniper Canyon Demonstration Plaza. With the addition of the Energy Institute II building, the plaza is anchored and creates a connection to the adjacent community.

