



Rolla Building - 1871



Norwood Hall - 1903



Wilson Library - 1967



Civil Engineering - 2003



Havener Center - 2005



Toomey Hall - 2008



Chemistry - 2015

Planning Principles

Campus Vision

The vision of Missouri University of Science and Technology is to be a top-five technological research university by 2011.

Campus Mission

The mission of Missouri University of Science and Technology is to integrate education and research to create and convey knowledge to solve problems for our state and the technological world.

Master Plan Principles

The basic principles and vision for Missouri S&T's Campus Master Plan are as follows: Our campus environment should be user-friendly, efficient, secure, compatible to human scale, and aesthetically pleasing and relating with surroundings structures, energy-friendly, and sustainable. The Plan provides a vision for the next ten to twenty years and beyond, coordinating and managing needed physical facilities, infrastructure, and cost implications. It also recognizes that economic realities and campus priorities will determine feasibility and timing of individual projects.

Commitment to the Campus Master Plan

The University is committed to the campus master planning process and identifies specific projects which support Missouri S&T's mission and strategic goals.

Examples of these projects include: 1) related to enriching the student experience (Undergraduate Learning Center's focus on education and technology); 2) broadening the academic portfolio and increasing enrollment (Biological Sciences continued growth); 3) expanding and elevating research performance and reputation (Engineering Research Laboratory Addition and Renovation's research focus); and 4) identifying opportunities and securing resources from external constituencies (Campus Village's mixed-use "edge development" which enables a variety of public/private funding opportunities).

Sustainability

We believe that Missouri University of Science and Technology (Missouri S&T) must exercise leadership in the community and for our students by modeling sustainability practices in daily operations. Missouri S&T has made a firm commitment to minimize its pollutants and greenhouse gas emissions while providing knowledge and developing educated graduates who are aware of the importance of good environmental stewardship. This Sustainability Policy provides a clear, unifying vision of Missouri S&T's commitment to:

- Reduce emissions of greenhouse gases
- Provide knowledge, education and active demonstration of sustainable living to faculty, staff, students and members of surrounding communities
- Comply with regulatory requirements and other requirements to which the University subscribes
- Reduce impact on environment with regard to water and air emissions and solid waste
- Continually improve our environmental stewardship with respect to materials water and energy use

Integration of Academic, Programmatic and Physical Planning

Campus facilities are built and maintained to create a unified community that is comfortable, and aesthetically pleasing, while nurturing the exchange of ideas across academic and administrative disciplines. The campus is an environment that stimulates creativity and innovation among faculty, students, staff, corporate partners, and visitors, while facilitating teaching, learning, research, extension and economic development. The campus environment enhances the fulfillment of the University's mission. Campus master planning is part of a continuous process, driven by strategic academic and research planning, which contributes to a vibrant campus community. The result is a campus that meets the needs of the people who study, work and live at Missouri S&T.

Campus Safety and Security

In an effort to improve campus safety and security, Physical Facilities is expanding the coverage of emergency phones by installing new phones in areas that do not have emergency phone service nearby. The goal is to have an emergency phone visible in every major traffic area of campus.

Physical Facilities has initiated an access control pilot project located in Toomey Hall as a prototype for enhancing campus security. Students will have access to specific doors based on their credentials and privileges (coded on Student IDs).

System administrators will be able to view reports showing the entrance and exit history of each door. University Police will be able to perform a campus lockdown in the event of an emergency. By using electronic access controls, campus security will be strictly managed and more secure than the current keyed system.



Missouri University of Science and Technology

Introduction

Missouri University of Science and Technology (Missouri S&T) is one of four campuses comprising the University of Missouri System. Located in the south central part of the state along I-44, midway between St. Louis and Springfield, it has a student population of 6,350 (4,900 undergraduate and 1,450 graduate).

The University campus, established in 1870, grew to 55 buildings before the first Campus Master Plan was completed in 1971. Since then, revisions were completed in 1981, 1986, 1991, 1994, 1997, 2000, 2002, 2006, and now in 2009. The Campus Master Plan is being updated and revised to allow future development of the campus to highlight Missouri S&T's strengths and address opportunities for improvement.

The location of Missouri S&T campus allows for growth and development as well as the preservation of campus buildings that reflect the University's history and tradition. Areas slated for improvement include defining the perimeter and entry points. Goals which have been set to address these issues are as follows: entry designs, circulation improvements, signage, and landscaping.

Previous editions of the University's Campus Master Plan have recognized that planning is a dynamic process – always in need of review, revision, and updates to reflect the needs of current users as well as to anticipate needs of the future users. Economic, global, and societal changes will influence the educational mission itself and the realities of implementation. Earlier versions of the Campus Master Plan featured an extensive analysis of the campus and recommended physical improvements. Some plans dealt with building requirements while others focused on support functions such as parking.

This edition of the University's Master Plan includes most of the goals and expectations of previous editions enhanced by new ideas; responding and recognizing changing times and influences, needs and requirements. The Campus Master Plan is part of an ongoing process that changes as campus needs change. Therefore, this plan has been designed to be flexible in order to accommodate the ever-changing needs of the campus with a focus on the future.

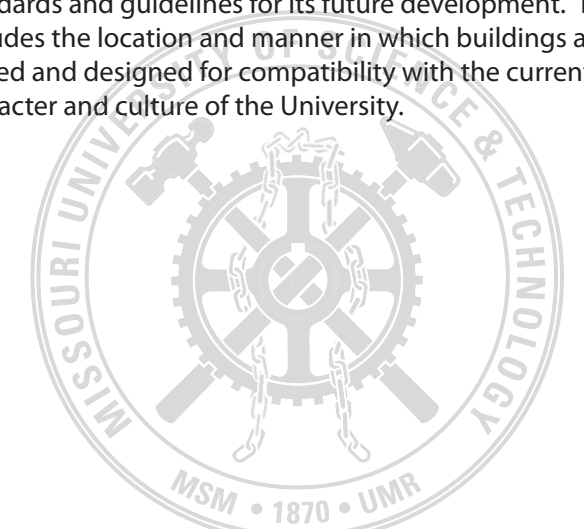
This Campus Master Plan will provide a future vision of the campus including those physical improvements needed to maintain and develop the University.

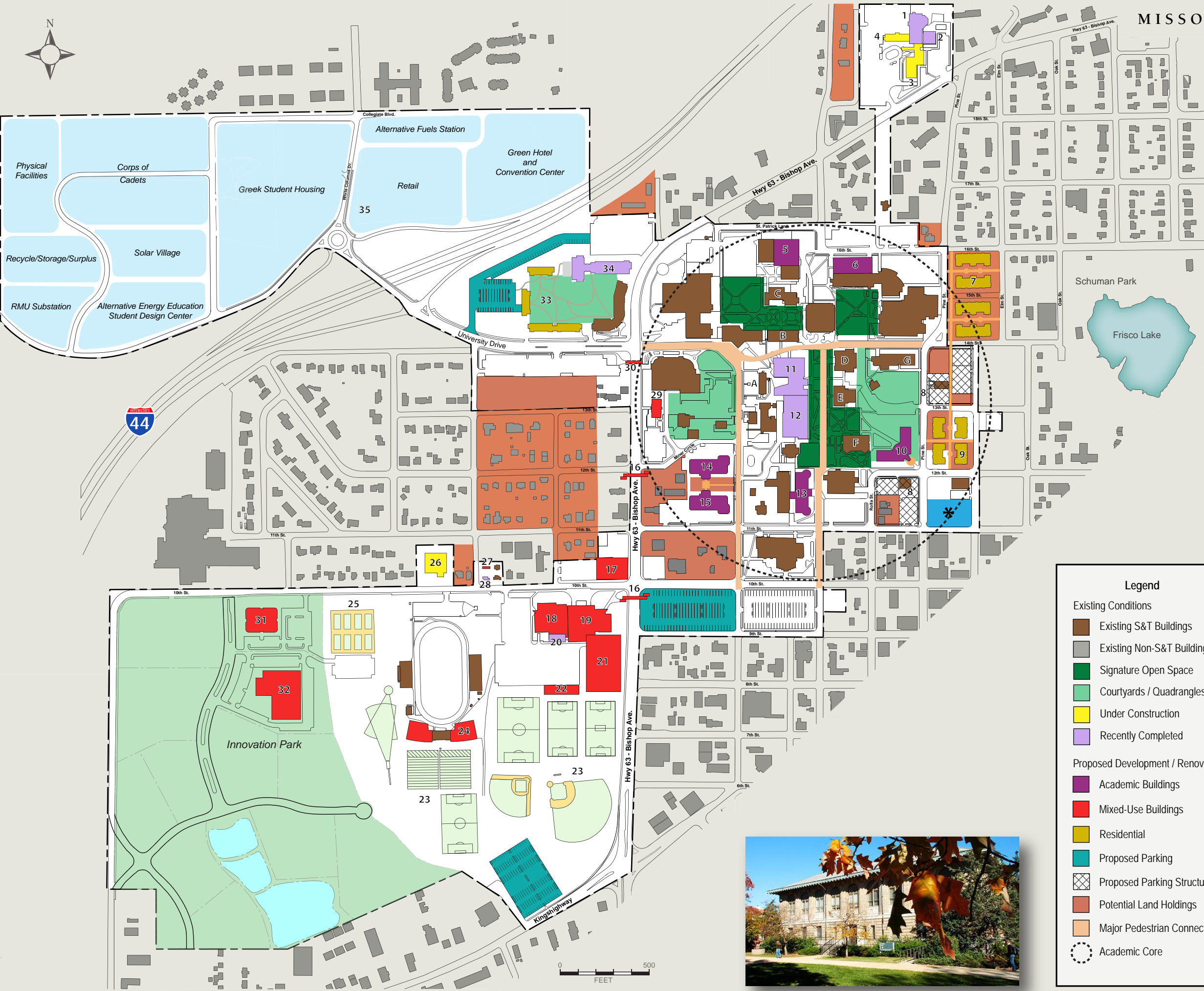
Campus Development Profile

The Missouri S&T campus covers a broad area in the northwest quadrant of the City of Rolla. In general, it is defined as an area bounded by 16th Street on the north, 10th Street on the south, Pine Street on the east, and US Highway 63 (Bishop Avenue) on the west. U.S. Highway 63 bisects the northern and western periphery, separating Thomas Jefferson residential hall complex, Nagogami married student housing, Residential College/Residential Hall, Bullman Student Recreation, and other athletic facilities. The E3 Campus (Energy, Environment & Education) and clusters of support facilities are located west of the campus and north of I-44.

Development of the campus began when the Board of Curators purchased Rolla Building in 1875. The Chancellor's Residence was constructed in 1889. Subsequent buildings included Norwood Hall, Parker Hall, Fulton Hall, Basic Engineering, and the Mechanical Engineering Annex which forms what today is the academic core quadrant of the campus and the north/south pedestrian mall. The campus has continued development, circling the early nucleus of the campus. Today's campus is comprised of over 200 buildings totaling over 2,500,000 gross square feet.

The lack of a master plan to shape campus growth for more than three quarters of the University's history has resulted in partial campus fragmentation. It also underscores the need for serious and consistent attention to the campus master plan that will help define and unite the current campus functionally and visually by establishing standards and guidelines for its future development. This includes the location and manner in which buildings are placed and designed for compatibility with the current character and culture of the University.





Legend		Project List		E&G Buildings Requiring Renovations	
Existing Conditions					
	Existing S&T Buildings	1	Thomas Jefferson (Phase I) North Tower	A	Harris Hall Renovations
	Existing Non-S&T Buildings	2	Thomas Jefferson (Phase IA) North Tower	B	Humanities/Social Science Renovations
	Signature Open Space	3	Thomas Jefferson (Phase II) South Tower	C	Computer Science Renovations
	Courtyards / Quadrangles	4	Thomas Jefferson (Phase III) North Tower	D	Fulton Hall Renovations
	Under Construction	5	Straumanis Hall & Engineering Research Renovation	E	Parker Hall Renovations
	Recently Completed	6	Emerson Electric Co. Hall Expansion	F	Norwood Renovations
Proposed Development / Renovations					
	Academic Buildings	7	Campus Village North	G	Physics Renovations
	Mixed-Use Buildings	8	Mixed Use/Parking Garage & Retail (2)		Future Miner Alumni House
	Residential	9	Campus Village South		
	Proposed Parking	10	Undergraduate Learning Center		
	Proposed Parking Structure	11	Toomey Hall (Phase 1)		
	Potential Land Holdings	12	Toomey Hall (Phase 2)		
	Major Pedestrian Connections	13	Chemistry Building		
	Academic Core	14	Chemical Engineering Building		
		15	Biological Sciences Building		
		16	Pedestrian Bridge (2)		
		17	Student Design Center		
		18	Student Rec/Intramural Building (Phase 2)		
		19	Bullman Multi-Purpose Building Renovation		
		20	Student Rec/Intramural Building (Phase 1)		
		21	Fieldhouse		
		22	Indoor Practice Facility		
		23	Rec/Athletic Field Renovations		
		24	Athletic Locker/Dressing Rooms		
		25	Tennis Courts		
		26	Student Health Center		
		27	Solar House 2009		
		28	Solar House 2007		
		29	Historic Bureau of Mines Building Renovation		
		30	Pedestrian Underpass		
		31	Innovation Park New Office Building		
		32	Business Incubator Building		
		33	Residential College Housing		
		34	Residential College 2		
		35	E3 Campus		

ADDITIONAL INFORMATION:
 Numerous utility infrastructure improvement projects are included in the Master Plan but are not depicted here graphically.

To accommodate several of the development projects, various buildings are to be razed. These include: the Quad Residence Halls, Campus Support Facility, Interdisciplinary Engineering Building (IDE) Building, Bureau of Mines (BOM) Buildings and the Nagomi Apartments.

Also, the function of certain areas will be changed. In particular, the golf course and associated buildings are to become the new Innovation Park.