

MERCED

2011-21 Capital Financial Plan

MERCED

UC Merced opened in September 2005 as the tenth campus in the University of California system. The campus significantly expands access to the UC system for students throughout the State, with a special mission to increase college-going rates among students in the San Joaquin Valley. It also serves as a major base of advanced research and as a stimulus to economic growth and diversification throughout the region.



Campus Quad

The campus plans to grow over time to support about 25,000 students as funds become available.

Since its opening, UC Merced has aggressively pursued its founding principles of building the first research university of the 21st century and providing a strong focus on student success through inclusive excellence. Each year, the campus has grown and matured with the addition of new faculty and students.

More than 4,400 FTE students were enrolled at UC Merced during 2010-11, a significant increase from 875 FTE in Fall 2005, the start of the campus's inaugural year. More than 5,000 students are expected to enroll during Fall 2011, following a record number of applications.

The first phase of campus physical development encompasses approximately 100 acres. The current campus space inventory totals approximately 1.2 million gsf (832,000 asf). Instruction and research space includes teaching and research laboratories and laboratory support space, as well as other academic support space necessary for the success of academic programs and students.

In May 2009, the campus received its Clean Water Act Section 404 permit from the U.S. Army Corps of Engineers for the full development of the campus and associated University Community as

outlined in the 2009 *Long-Range Development Plan (LRDP)*. The revised campus layout will total approximately 815 acres. The University Community, situated directly south of the campus, will total approximately 2,115 acres.

As of the conclusion of the 2010-11 academic year, completed projects include three academic buildings (a classroom and office building, a science and engineering building, and a library), three student housing projects, a dining facility, a student recreation and wellness facility, a central utility plant/telecommunications building, and a logistics (physical plant and environmental health & safety) facility. The fourth academic building, Social Sciences and Management, is under construction and scheduled to be occupied by the start of the 2011-12 academic year. A fourth housing project is in construction with occupancy planned for Fall 2013. A fifth academic building, the State-funded Science and Engineering 2, is currently in design with occupancy planned for Fall 2014.

<u>MERCED CAMPUS FACTS:</u>	
Established	1998
FTE Enrollment 2009-10	
Undergraduates	4,247
Graduate Students	241
Campus Land Area	2,930 acres
Campus Buildings	832,000 ASF

CAMPUS GOALS AND OBJECTIVES

A major campus objective in the next few years is to acquire the necessary resources for new academic programs and the expansion of existing ones. An increase in resources is also essential for the support of growing student enrollments and the hiring of new ladder-rank faculty. The ability to accommodate additional faculty, students, and staff will require a flexible approach to space use and assignment and the capital funding to support additional growth.

UC Merced's strategic academic vision identifies high-priority academic programs that will serve the University system, State, and nation. Current programs include the Sierra Nevada Research Institute, the Merced Energy Research Institute, and the Health Sciences Research Institute. Notable areas of faculty expertise in these programs include hydrology, solar-power technologies, stem cell biology, infectious disease, biodiversity and global climate change, air and water quality, and population health. Education and research at UC Merced is enhanced through partnerships with other UC campuses and with entities such as Lawrence Livermore National Laboratory, Sequoia and Kings Canyon National Parks, and Yosemite National Park. Faculty in the School of Social Sciences, Humanities, and Arts are actively engaged in interdisciplinary research

programs such as cognitive science, computer science, psychological sciences, and economics.

Adequacy of space will be a significant challenge during these coming years as enrollments increase. It is important to note that student enrollment growth is intertwined with growth in the faculty ranks and that increases in enrollments will require additional instructional space and research space and offices for faculty. Such growth drives the need for additional student-focused facilities, such as housing and dining, and expanded recreation and wellness, academic support, and student program space. Basic campus support functions (such as physical plant, parking, and infrastructure) also need to expand with increasing workload.



Solar Array

As a new campus, UC Merced has embraced the opportunity to serve as a leader in sustainable planning and environmental design. In constructing the campus, UC Merced committed to green building principles, requiring certification of all new buildings at a Gold level of the U.S. Green Building Council's LEED™ program. The campus's *Long Range Development Plan* continues the commitment to plan, design, build, and operate UC Merced at ever-increasing levels of sustainability.

RESOURCES

UC Merced, the first UC campus constructed since the mid-1960s, faces radically different political, environmental, and economic circumstances from those of earlier campuses. Enrollment and academic program growth are the drivers for UC Merced facilities expansion. The *CFP* and the *LRDP* anticipate that the campus's formative years will be a period of fiscal restraint, putting a primacy on strategic and cost-effective integration of programmatic needs and funding sources, deployment of infrastructure, and multiple uses of land. The campus will need to rely on State support for much of its early instruction and research facilities. The uncertainty of State funding in the near term is a tremendous challenge for the new campus, and it is critical that momentum be maintained to preserve academic quality and student success.

Merced

PROJECT	Seismic/Life Safety	PRIMARY OBJECTIVE					New Construction, Renovation, Both, Infrastructure	Prefunded	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18 to 2020-21	TOTAL PROJECT BUDGET
		Enrollment Growth	Infrastructure Deficiencies	Facilities Modernization	Program Improvements											
State Funded Program																
E & G - GENERAL CAMPUS																
Social Sciences and Management Building		•				N	43,818	3,908							47,726	
Science and Engineering Building 2		•				N	3,700 X 81,040			4,079					88,819	
Classroom and Academic Office Building		•				N			38,748		2,452				41,200	
Site Development and Infrastructure Phase 5	•		•			I			3,020	27,180					30,200	
Bellevue Gateway Site Development and Infrastructure				•		I				12,400 19,100 LB					31,500	
Castle 1200 Facilities Renewal				•		R				15,271		650			15,921	
Instruction and Research Building 1A		•				N				3,500	4,300	70,200	3,500		81,500	
Campus Instructional Space Renovations				•		R				250	2,750				3,000	
Instruction and Research Building 1B		•				N						4,900	6,000	103,100	114,000	
Site Development and Infrastructure Phase 7/8		•				I							6,400	68,600	75,000	
Instruction & Student Academic Services Building		•				N								51,000	51,000	
Environmental Health and Safety, Facilities Management and Public Safety Facility		•				N								34,000	34,000	
Central Plant Expansion				•		I								25,000	25,000	
Classroom and Office Building 2		•				N								46,000	46,000	
STATE FUNDING								3,908	41,768	62,680	9,502	75,750	15,900	327,700	537,208	
NON-STATE FUNDING								0	0	19,100	0	0	0	0	0	19,100
TOTAL STATE PROGRAM								3,908	41,768	81,780	9,502	75,750	15,900	327,700	556,308	

Merced

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		Enrollment Growth	Infrastructure Deficiencies	Facilities Modernization	Program Improvements											
Non-State Funded Program																
E & G - GENERAL CAMPUS																
Student Services Building		•				N		19,820 X							19,820	
Administration Building 1		•				N				4,700 LB	41,800 LB				46,500	
Administration Building 2		•				N						44,500 LB 1,000 G			45,500	
Organized Research Building		•				N							91,500 LB 1,000 G		92,500	
Capital Projects \$750K to \$5M					•	B		1,000 X	1,000 X	1,000 X	1,000 X	1,000 X	1,000 X	4,000 X	10,000	
AUXILIARY - PARKING																
Campus Parking Lot L		•				N				4,600 LB					4,600	
Campus Parking Lot M		•				N				4,000 LB					4,000	
Campus Parking Lot N		•				N						3,000 LB			3,000	
AUXILIARY - STUDENT HOUSING & DINING																
Student Housing Phase 5		•				N				7,200 LB	64,800 LB				72,000	
Bellevue Gateway Dining Facility		•				N				3,000 LB	25,000 LB				28,000	
Student Housing Phase 6		•				N						5,100 LB	45,400 LB		50,500	
Student Housing Phase 7		•				N							LB	59,000 LB	59,000	

Merced

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		Enrollment Growth	Infrastructure Deficiencies	Facilities Modernization	Program Improvements											
AUXILIARY - STUDENT ACTIVITIES, RECREATION, ATHLETICS (FEE)																
Multipurpose Recreation Field		•				N				4,000 LB					4,000	
Basketball Courts		•				N				1,500 LB					1,500	
Bellevue Gateway Recreation Facility		•				N							14,000 LB 1,000 G		15,000	
Student Union		•				N							2,100 LB	45,400 LB 2,000 G	49,500	
Student Aquatics Center		•				N								13,000 LB 2,000 G	15,000	
Baseball and Softball Competition Field Complex		•				N								9,500 LB	9,500	
AUXILIARY - CHILD CARE																
Early Childhood Education Center 2		•				N							13,000 LB		13,000	
TOTAL NON-STATE PROGRAM								20,820	15,800	105,000	42,800	54,600	169,000	134,900	542,920	
TOTAL STATE PROGRAM								3,908	41,768	81,780	9,502	75,750	15,900	327,700	\$556,308	
TOTAL NON-STATE PROGRAM								20,820	15,800	105,000	42,800	54,600	169,000	134,900	\$542,920	
TOTAL CAPITAL PROGRAM								24,728	57,568	186,780	52,302	130,350	184,900	462,600	\$1,099,228	

Merced

	Seismic/Life Safety	PRIMARY OBJECTIVE					(\$ in 000s)							TOTAL PROJECT BUDGET	
		Enrollment Growth	Infrastructure Deficiencies	Facilities Modernization	Program Improvements	New Construction, Renovation, Both, Infrastructure	PreFunded	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17		2017-18 to 2020-21
Mitigation Measures															
E & G - GENERAL CAMPUS															
Lake Road/Bellevue Road Intersection Improvements			•			I			400	TBD					400
Lake Road/Yosemite Avenue Intersection Improvements			•			I				100	TBD				100
Federal Environmental Mitigation			•			I						11,200	TBD		11,200
Transportation Improvements			•			I						30,200	TBD		30,200
SUMMARY							0	400	0	100	0	41,400	0	\$41,900	

CLASSROOM AND ACADEMIC OFFICE BUILDING

- Provides instructional, scholarly activity, research, and office space to meet the needs of current and future growth.
- Houses multi-disciplinary programs in flexible, adaptable space.
- The project targets a minimum of LEED™ Gold certification.

Budget Approval	
Budget Year	2012-13

Project Scope Summary	
ASF	41,538
GSF	68,095

Summary of Budget by Fund Type	
<u>Funding Source</u>	<u>Amount</u>
State Funds	\$41,200,000
Total Budget	\$41,200,000

SOCIAL SCIENCES AND MANAGEMENT BUILDING

- Provides equipment for the new Social Sciences and Management Building.
- Equips classrooms, teaching laboratories, academic and administrative offices, and research and scholarly activity space.
- Assists in the continued growth of the School of Social Sciences, Humanities and Arts.

Budget Approval	
Budget Year	2011-12

Project Scope Summary	
ASF	61,890
GSF	101,569

Summary of Budget by Fund Type	
<u>Funding Source</u>	<u>Amount</u>
State Funds	\$47,726,000
Total Budget	\$47,726,000

SITE DEVELOPMENT AND INFRASTRUCTURE PHASE 5

- Completes equipment and building systems in the Central Plant; completes roadway improvements; modifies campus storm water system and detention basin; provides a corporation yard for facilities services.
- Roadway completion is a critical life-safety priority; UCM has only a single road for entry to and egress from the campus. Should an emergency restrict access to Rancher's Road, the campus's ability to respond could be seriously compromised.

Budget Approval	
Budget Year	2012-13

Summary of Budget by Fund Type	
<u>Funding Source</u>	<u>Amount</u>
State Funds	\$30,200,000
Total Budget	\$30,200,000



Housing 2

BELLEVUE GATEWAY DINING FACILITY

- Provides a new kitchen and servery of approximately 600 seats.
- Provides additional dining area for increasing enrollments, primarily related to the Student Housing Phase 5 project.
- The project targets LEED™ Gold certification.

Financing	
Long-Term	\$28,000,000
Est. Annual Debt Service	\$2,000,000
Terms:	5% 30 years
Interest During Construction:	\$1,400,000
<u>Anticipated Repayment Source:</u>	
• Auxiliary Reserves	
• General Revenue Bonds	
<u>Anticipated Fund Source:</u>	
• Transportation and Parking Services Revenue	

Units
600 Seats

Budget Approval	
Budget Year	2012-13

Summary of Budget by Fund Type	
<u>Funding Source</u>	<u>Amount</u>
External Financing	\$28,000,000
Total Budget	\$28,000,000

Project Scope Summary	
ASF	24,000
GSF	36,000

CAPITAL PROJECTS \$750K to \$5M (E&G)

- Undertakes a series of minor projects to construct new space, renovate existing space, or complete tenant improvements for a variety of programmatic needs not addressed by the current group of capital projects.

Budget Approval	
Budget Year	2011-12

Summary of Budget by Fund Type	
<u>Funding Source</u>	<u>Amount</u>
Campus Funds	\$10,000,000
Total Budget	\$10,000,000

LAKE ROAD / BELLEVUE ROAD INTERSECTION IMPROVEMENTS (MITIGATION MEASURES, BELOW LINE)

- Intersection improvements, such as turn lanes and traffic-control features, near the campus entrance at Lake Road and Bellevue Road.
- The campus EIR/EIS identifies road segments and intersections that need upgrades to ensure an acceptable level of service.
- Necessitated by the amount of housing and administrative office space constructed on campus, as insufficient on-campus space results in increased trip counts and mitigation expenditures. Also influenced by the success of the TDM program.

Budget Approval	
Budget Year	2012-13

Summary of Budget by Fund Type	
<u>Funding Source</u>	<u>Amount</u>
Unidentified Funding	\$400,000
Total Budget	\$400,000

Project Scope Summary	
ASF	61,890
GSF	101,569

BELLEVUE GATEWAY PARKING PROJECT 1

- Provides a new surface parking lot to accommodate growth.
- Additional parking is required for increasing numbers of faculty, staff, and students on campus.

Budget Approval	
Budget Year	2012-13

Financing	
Long-Term	\$4,600,000
Est. Annual Debt Service	\$443,000
Terms:	5% 15 years
Interest During Construction:	\$230,000
<u>Anticipated Repayment Source:</u>	
• Auxiliary Reserves	
• General Revenue Bonds	
<u>Anticipated Fund Source:</u>	
• Transportation and Parking Services Revenue	

Summary of Budget by Fund Type	
<u>Funding Source</u>	<u>Amount</u>
External Financing	\$4,600,000
Total Budget	\$4,600,000

Units	
1545 Spaces	

STUDENT HOUSING PHASE 5

- Constructs approximately 400 bed spaces, primarily for undergraduate students, including upper-division.
- Provides campus housing to accommodate increasing student enrollments.
- The project targets LEED™ Gold certification.

Financing	
Long-Term	\$72,000,000
Est. Annual Debt Service	\$5,230,000
Terms: 6%	30 years
Interest During Construction:	\$3,600,000
<u>Anticipated Repayment Source:</u>	
• Auxiliary Reserves	
• General Revenue Bonds	
<u>Anticipated Fund Source:</u>	
• Transportation and Parking Services Revenue	

Units	
Beds	400

Budget Approval	
Budget Year	2011-12

Summary of Budget by Fund Type	
<u>Funding Source</u>	<u>Amount</u>
External Financing	\$72,000,000
Total Budget	\$72,000,000

Project Scope Summary	
ASF	132,000
GSF	195,000

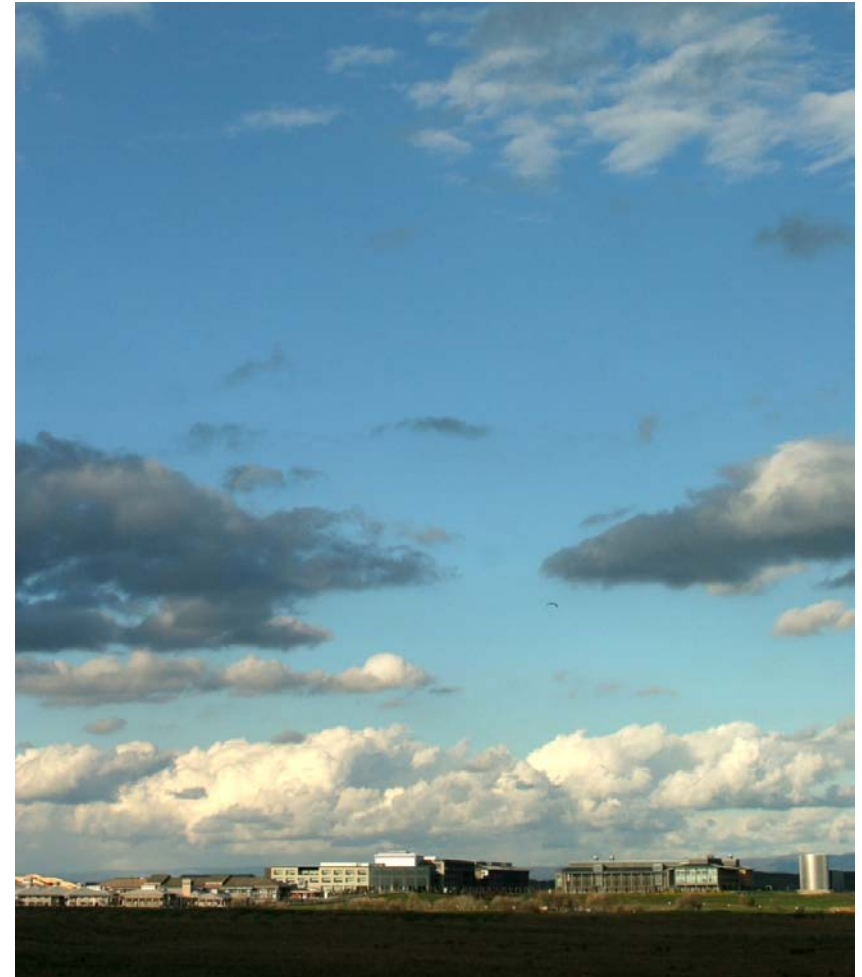
STUDENT SERVICES CENTER

- The campus's student population has grown more than five-fold since 2005, and over that time no additional on-campus student-services space has been provided. This project addresses that significant gap.
- The project targets LEED™ Gold certification.

Budget Approval	
Budget Year	2011-12

Project Scope Summary	
ASF	20,650
GSF	33,400

Summary of Budget by Fund Type	
<u>Funding Source</u>	<u>Amount</u>
Campus Funds	\$19,820,000
Total Budget	\$19,820,000



Merced Campus