MERCED CAMPUS

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

'Beginnings' Sculpture

UC Merced's strategic academic vision identifies 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. Members of the School of Social Sciences, Humanities and Arts faculty are actively engaged in such interdisciplinary research programs as cognitive science, computer science, psychological sciences, and economics.

UC Merced Dorms

The first phase of campus physical development encompasses approximately 100 acres. Instruction and research space includes teaching and research laboratories, laboratory support space, and other academic support space necessary for the success of academic programs and students. Locations in Merced, Atwater, Fresno, Modesto, and Bakersfield provide off-campus space for additional administrative, research, and informal teaching uses.

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

MERCED CAMPUS FACTS	
Established	1998
FTE Enrollment 2008-09	
Undergraduates	2,591
Graduate students	184
Campus Land Area	2,000 acres
Campus Buildings	719,841 ASF

land area. This permit will allow development of the approximately 815-acre campus site and the approximately 2,115-acre University Community, situated directly south of the campus.

Recreation and Wellness Center

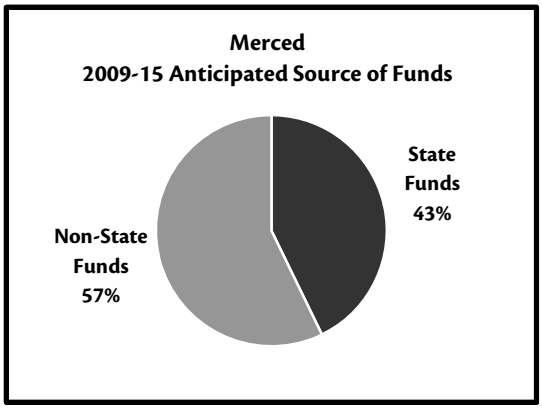
Capital Needs

As a new campus, UC Merced has had 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 the Silver level of the U.S. Green Building Council's LEED program. Beginning in 2009, the campus will strengthen its commitment to sustainability by requiring all new buildings to be designed at a certified LEED Gold

Classroom Building

level. The campus's *Long Range Development Plan (LRDP)* continues the commitment to plan, design, build, and operate UC Merced at ever-increasing levels of sustainability.

If the campus is to grow in a manner consistent with its *LRDP*, significant investment from both State and non-State capital resources will be necessary for the site development and infrastructure needs of a new campus and instruction and research facilities.



Additional campus circulation and infrastructure are essential to meet the needs of planned campus growth. Consistent with the *LRDP*, the Merced campus will expand to include acreage that is currently undeveloped. Expansion of the Central Plant and distribution of underground utilities will be necessary to support higher enrollments and to serve future campus development. Expansion into the undeveloped areas of the campus will require site improvements to address issues such as surface topography and drainage. New bridges, roadways, lighting, parking lots, landscaping, and bicycle and pedestrian pathways also will be required to serve the new areas of the campus.

Future campus capital program elements will provide additional space associated with increasing enrollments and campus growth and will support academic programs; student housing, dining, and recreation programs; and child care, parking, public safety, and student services. It is anticipated that future phases of campus development will include the introduction of professional schools and programs in the health sciences.

MERCED CAMPUS
($ in 000s)

SUMMARY

BUDGET YEAR	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
STATE FUNDING	0	109,918	5,550	4,647	5,512	4,310
NON-STATE FUNDING	5,805	23,735	1,000	52,885	48,400	42,675
TOTAL	**5,805**	**133,653**	**6,550**	**57,532**	**53,912**	**46,985**

STATE FUNDED PROJECTS

PROJECT NAME	PRIMARY OBJECTIVE				BUDGET YEAR							TOTAL PROJECT BUDGET*
	Enrollment Needs	Life Safety Deficiencies	Renewal/Modernization	New Program Initiatives	PREFUNDED	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	
E & G - GENERAL CAMPUS												
Social Sciences & Management	●				P 1,191 W 1,476 C 42,955		E 2,028					47,650
Science & Engineering Building 2	●					P 3,700 X	W 3,457 C 77,583		E 4,079			88,819
Castle 1200 Facilities Renewal			●				P 500 W 750 C 13,200	E 550				15,000
Site Development & Infrastructure (P4 & P5)			●				P 468 W 572 C 9,360					10,400
Site Development & Infrastructure (P6)				●			P 90 W 110 C 1,800					2,000
Site Development & Infrastructure (P7)			●					P 225 W 275 C 4,500				5,000
Campus Instructional Space Renovations			●						P 256 W 312	C 5,112 E 400		6,080
Site Development & Infrastructure (P8)			●								P 2,250	50,000
Instruction & Student Academic Services Building	●										P 2,060	48,700

** Total Project Budget may include proposed funding in years after 2014-15*

NON-STATE FUNDED PROJECTS

PROJECT NAME	PRIMARY OBJECTIVE				BUDGET YEAR							TOTAL PROJECT BUDGET
	Enrollment Needs	Life Safety Deficiencies	Renewal/Modernization	New Program Initiatives	PREFUNDED	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	
E & G - GENERAL CAMPUS												
Campus Approved Projects Under $5 Million				●			$1,000	$1,000	$1,000	$1,000	$1,000	5,000
AUXILIARY AND FEE SUPPORTED FACILITIES												
Campus Parking Lots G & H	●					1,335 LB						1,335
J.E. Gallo Recreation & Wellness Expansion	●					770 LB	2,000 G 14,330 LB					17,100
Multi-Purpose Recreation Field	●						1,000 G 4,500 LB					5,500
Campus Parking Lots I & J	●						905 LB					905
Administration Building	●								1,600 LB	35,950 LB		37,550
Student Housing Phase 4	●								48,700 LB			48,700
West Campus Site Development & Infrastructure	●								450 LB	9,550 LB		10,000
Campus Parking Lot K	●								1,135 LB			1,135
Student Union	●									1,900 LB	4,000 G 37,000 LB	42,900
Student Aquatics Center	●										675 LB	675

MERCED CAMPUS
2010-11 State Capital Funding Request

Castle Building 1200 - Facilities Renewal
PWC: $14,450,000

This project will provide a comprehensive upgrade to inadequate building infrastructure and utility systems in Castle Building 1200 in Atwater, CA (leased space in the Castle Commerce Center) and reconfigure approximately 19,200 ASF of underutilized space to meet the demand for modern research facilities, primarily for the Schools of Natural Sciences and Engineering. The project will include renewal of building electrical, plumbing, HVAC, emergency power, life-safety, laboratory service and information technology systems to meet current code requirements and to support intensive modern research activities. Flexible, generic wet and dry laboratories will accommodate further fit-out by the University as future researchers are assigned space and as research programs evolve. Total project cost is $15,000,000.

Social Sciences and Management Building
E: $2,028,000

This project will equip the new Social Sciences and Management Building, currently under construction, which will provide 61,900 ASF of classrooms, teaching laboratories, academic and administrative offices, and research and scholarly activity space to support continued growth in the School of Social Sciences, Humanities and Arts. Total project cost is $47,650,000.

Science and Engineering Building 2
WC: $81,040,000

This second building for the School of Natural Sciences and the School of Engineering will provide critically needed space to support expanding instructional and research activities that cannot be accommodated in Science and Engineering Building 1. The project will provide approximately 56,800 ASF of teaching and research laboratories and laboratory support space, scholarly activity and study facilities, faculty offices, and administrative space to meet growing student demand in these disciplines and increased faculty workload. The project will accommodate new and expanding programs in physical/analytical chemistry, experimental physics, synthetic/organic chemistry, biology, mechanical and electrical engineering, and bio-engineering. Total project cost is $88,819,000.

Site Development and Infrastructure Phases 4 & 5
PWC: $10,400,000

This project will complete critical infrastructure and site development elements for the campus academic core, including: 1) improvements to the campus storm water management system; 2) improvements to equipment and building systems at the Central Plant, Telecommunications Building, and Pump Station; 3) construction of a materials lay-down and handling area and corporation yard for Facilities Management, including an access road to the site; 4) extension of buried utilities to future academic building sites; and 5) permanent improvements to a portion of the campus loop road (which was outside the initial campus environmental boundary) including storm water management elements to mitigate environmental impacts to adjacent, protected wetlands. Total project cost is $10,400,000.

Site Development and Infrastructure Phase 6
PWC: $2,000,000

The project would complete key phases of work related to the federal Clean Water Act Section 404 permit conditions including: 1) construction of a dirt perimeter road to improve access to the outer areas of the campus and community, 2) construction of appropriate boundary fencing between the campus and preserve lands, 3) mass grading to improve storm water management, 4) construction of a kit fox bridge, and 5) salvage of impacted wetland soils. Total project cost is $2,000,000.

Campus Instructional Space Renovations
Estimated project cost: $6,080,000

This project will renovate approximately 4,500 ASF in the Science and Engineering 1 building (ground floor), converting laboratories that had been used temporarily for research purposes back to teaching laboratories and support space for student instruction. The project will also provide technological modifications in existing teaching labs to improve their utilization and functionality for interdisciplinary instruction. In addition, approximately 2,500 ASF of instructional space in the Classroom and Office Building will be reconfigured to be more responsive to established pedagogy needs.

Instruction & Student Academic Services Building
Estimated cost for P: $2,060,000

This project will construct a new 51,000 ASF mixed-use building to accommodate growing student and academic support programs, including space for enrollment management, academic advising, financial aid, graduate and international student programs, disability services, and student business services. The building will provide new instructional space (computer learning), conference rooms, multi-purpose space, student processing and advising areas, offices, and related support space. Total estimated project cost is $48,700,000.

Site Development and Infrastructure Phase 7
Estimated project cost: $5,000,000

This project will install new site infrastructure, site utilities, and equipment for State-supportable instruction and research programs, providing critical connections to and through the campus academic core. This includes major roadways (a portion of Ranchers Road) and connections associated with planned campus development to support 5,000 student FTE. Improvements would address access and safety deficiencies and provide storm water management infrastructure to comply with required environmental mitigations.

Site Development and Infrastructure Phase 8
Estimated cost for P: $2,250,000

This project will provide the initial infrastructure and utilities necessary for the next phase of campus development. It includes mass grading and basic infrastructure for approximately 89 acres, utilities distribution and connections to the existing Central Plant, and a data/telecommunications building. The infrastructure components will include bridges, major roadways, bicycle and pedestrian paths, lighting, landscaping, safety-call boxes, and a sanitary sewer pump/lift station. The utilities distribution system will include expansion of the campus electrical and communications distribution systems and other major utilities systems such as sewer, non-potable (irrigation) and potable water, storm water management and erosion control,

natural gas, heating hot water, and chilled water. This project will provide access and services to future State-eligible facilities in the upper portions of the Gateway and Campus West Neighborhoods, as well as connections to the existing North Campus area. Estimated total project cost is $50,000,000.

2009-15 Non-State Capital Program

Administration Building and Alumni/Visitors Center
Estimated project cost: $37,550,000

This project will construct a 50,000 ASF multi-purpose facility, providing space for general administration, conferences, and an alumni-visitor center. The building will allow consolidation of programs currently housed in off-campus leased space and provide new space for conferences, alumni, and visitors.

Baseball & Softball Competition Field Complex
Estimated project cost: $5,500,000

This project will construct an outdoor complex that will provide competitive venues for baseball and softball intercollegiate programs, as well as intramural recreation programs. The project will provide playing areas that meet current NCAA standards (with lights) along with necessary spectator and support facilities (restrooms, press box, seating, concessions and storage).

Campus Approved Projects Under $5,000,000
Estimated cumulative project costs: $5,000,000

The campus will renovate and fit out existing research laboratories and laboratory support spaces in order to accommodate new equipment and technology associated with emerging and evolving research programs.

Campus Parking Lots G&H
Estimated project cost: $1,335,000

This project will provide new surface parking lots on the southeast corner of the intersection of Lake and Bellevue Roads, providing approximately 650 new parking spaces, with lighting, designated for students, staff, faculty, and visitors.

Campus Parking Lot K
Estimated project cost: $1,135,000

This project will construct a new surface parking lot east of the current Facilities Services buildings, providing approximately 325 parking spaces designated for students, staff, faculty, and visitors.

Campus Parking Lots I&J
Estimated project cost: $905,000

This project will construct new surface parking lots north of the Kolligian Library and east of the, providing approximately 175 and 255 parking spaces respectively (430 total) and designated for students, staff, faculty, and visitors.

Joseph Edward Gallo Recreation and Wellness Center Expansion
Estimated project cost: $17,100,000

The Joseph Edward Gallo Recreation and Wellness Center is one of the most utilized facilities on campus, with demand already in excess of capacity during all hours of operation. This project will provide approximately 30,000 ASF of expansion space for additional sports instruction rooms, all-

purpose meeting/exercise/dance rooms, gymnasium space, a larger cardio/workout room, equipment storage, office space, and a climbing wall.

Multi-Purpose Recreation Field
Estimated project cost: $5,500,000

This project will provide a multi-purpose recreation field that includes an artificial turf surface, lighting, fencing, and signage. The scope will include associated site development and utilities.

Student Aquatics Center
Estimated cost for P: $675,000

This project will complete preliminary plans for a new Student Aquatics Center for intercollegiate athletics, club and intramural sports, and recreational classes. The Center will include a pool and pool deck and a 10,000 ASF building housing locker rooms, administrative space, a reception area, team meeting space, storage, pool equipment, and spectator seating. Estimated total project cost is $15,000,000.

Student Housing Phase 4
Estimated project cost: $48,700,000

This project will provide approximately 350 student beds and one live-in staff apartment in a 58,000 ASF facility located adjacent to Student Housing Phase 3 in the Campus West Neighborhood.

Student Union
Estimated project cost: $42,900,000

The Student Union project will construct an approximately 50,000 ASF facility to accommodate student programs, services, and activities. The building will house a variety of functions including the Office of Student Life, Student Government offices, Cultural Center, Learning Center, bookstore, convenience store, food services, meeting rooms and lounges, student activity spaces, copy center, ticket/events office, specialized computer lab, multi-purpose ballroom, and bank or credit union. The project also will incorporate outdoor areas to accommodate events, casual dining, seating, and other interactive functions.

West Campus Site Development and Infrastructure
Estimated project cost: $10,000,000

This project will provide site development, utilities, and other infrastructure improvements to support development for housing, dining, administrative support buildings, recreation, and parking. The project scope includes mass grading, major roadways, pedestrian and bicycle paths, hardscape and landscape, lighting, and security features. The utilities distribution system will include expansion of the campus electrical distribution system and other major utilities and connections to the primary campus utility networks.