The University of California System
Teaching for California, Research for the World

- More patents than any other university
- $4.4 billion in research funding
- An average of four inventions a day
- 60 Nobel Laureates – More than any other public university
- Awards 7% of the nation’s Ph.D.
- 250,000 students
- 19,000 faculty
- 1.6 million alumni
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Initial infrastructure Spine
February 2003

UC Merced initially broke ground in 2002
First three buildings opened in 2005
Investing in our Urban Core
UC Merced Downtown Center

• Located at 18th and N Street across from City Hall in Downtown Merced
• Construction began in Summer 2016
• Opens in 2017
• 370 staff

Nurturing Knowledge-based economic activity
UC Merced Venture Lab in Downtown Merced

• Located at W. 18th and M Street
• A collaborative effort located in Downtown Merced to promote entrepreneurship, enable technology transfer, and incubate new businesses

Design and higher education

Ivy
Mediterranean
The San Joaquin Valley

Kern County
Architectural Regionalism and Social Sustainability
Integrates the climate, landscape and culture unique to a place

Architectural Regionalism:
Integrates the climate, landscape and culture unique to a place

Architectural Expression and Materials:
Glass, concrete, stucco and steel

The Summits Residence Hall
Strong Massing, Metal Siding, Functional Utility

Fruit Packing Shed
Kern County, 1926

UC Merced Dining Expansion

An aesthetic grounded in the Central Valley:
Simple forms, straightforward and functional

Photos:
Structures of Utility
David Starck Wilson

Inspired by simple forms derived from the region’s architecturally underappreciated buildings
Social Sciences and Management
Familiar, Simple Forms

UC Merced Strategy: Design against the sun

UC Merced 1MW Solar Array
Campus goal is to be zero net energy
One major influence:
Bologna, Italy’s 30 mile Arcade Network

Social Sciences and Management
Familiar, Simple Forms

Architectural choices act as teaching tool

The 24 hour campus
Deliberate attention as to how the campus works and feels at night

60% of roof is solar ready
Operable hangar doors connect art studios to outdoor work areas

Structural system creates a sense of enclosure
Operable ramp doors allow for flexibility in use of the building
Daylight brought deep into interior
Unrestricted views into city

Walls are permeable for natural light and ventilation

Operable Walls
Daylighting
Solar Shades
Visible Infrastructure encourages academic dialogue

Windows turn Central Plant into a teaching place about energy efficiency

District Cooling: UC Merced Utility Tunnel

Energy Management Central Plant Control Room

UC Merced’s near term goal is to expand campus facilities to enable growth to 10,000 students

A venue for social mobility reflecting the diversity of California’s next generation

Global and national research distinction in unique, targeted areas

A proven catalyst for economic diversification in the San Joaquin Valley

UC Merced Today

1.4 million gross square feet, 2,000 beds and 6,800 students
The Project will almost double campus physical capacity
1.2 million gross square foot addition, 1,700 new beds
Enables enrollment growth to 10,000 students
$1.3 billion design and construction budget
Jointly funded by public and private funds

First buildings complete by 2018, Final delivery in 2020
Groundbreaking: October 14, 2016

First Public/Private Partnership of its kind in U.S.
Largest Social Infrastructure Public/Private Partnership (P3) in US
Largest Higher Education Public/Private Partnership in US

Little Lake will be framed as the social heart of the campus

2020 Project facilities are physically integrated with existing campus buildings

New “Academic Quad” gives form to the Research Enterprise
New faculty offices, classrooms and research labs are arranged around new quadrangle adjacent to the existing campus
New “Academic Walk” will be the Central Connective and Pedestrian Circulation Feature

Mixed-use corridor programmed with classrooms on the ground floors and 1,700 student beds on the upper levels

Significant economic impact on the San Joaquin Valley

$1.9 billion of one-time economic impact in the San Joaquin Valley

Developer has committed to benefit the community and the region.

- Contractors are required to employ a set percentage of apprentices from local, state-approved, joint labor-management apprenticeship programs
- Prevailing wage requirement
- Small Business requirements

Local Context: 5 miles from downtown Merced

Online Resources

2020 Project website
http://merced2020.ucmerced.edu

- Program Details
- Maps
- Latest News
- Contact information

Construction Team email
construction2020@ucmerced.edu

Social Media

Instagram
@ucmerced2020construction

Twitter
@UCMerced_2020

http://2020project.ucmerced.edu

Sources: Google Maps, County of Merced, California High Speed Rail Authority