

# BUILDING FOR OUR FUTURE

The John T. Chambers Technology Center is  
a LEED Certified Building



The Leadership in Energy and Environmental Design (LEED) Green Building Rating System<sup>®</sup> is a voluntary national standard for developing high performance, sustainable buildings.

Benefits of LEED Certified Buildings include the following:

- Reduced use of natural resources
- Improved indoor air quality
- Reduced air, water, and land pollution

to overall reduce the impact on our environment.

University of the Pacific has adopted a sustainable building policy: Beginning 2010, all new buildings, including the John T. Chambers Technology Center, costing over \$1 M shall meet LEED Silver Level certification requirements.



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# Indoor Environmental Quality

The indoor environmental quality in the John T. Chambers Technology Center benefits from the following:



- All paints have low concentrations of volatile organic compounds (VOCs)
- Adhesives and sealants used on the interior of this building comply with standards for reduced VOC emissions
- Composite wood and agrifiber products used in the building contain no added urea formaldehyde

## Benefits:

- Low VOC paints have fewer emissions than regular paint, minimizing air pollution that can be harmful to occupants' health
- Indoor air contaminants that may be odorous, irritating, or harmful to the comfort and well being of the occupants are reduced



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# Using Resources Wisely

In the John T. Chambers Technology Center, we reduce the use of resources in many ways:



- All carpets are made with preconsumer recycled content
- 35% of rubber flooring and 47% of linoleum in labs are made with recycled materials
- Over 75% of the construction debris was recycled
- 50% of wood-based construction materials and furnishings used are certified

in accordance with Forest Stewardship Council (FSC) criteria

## Benefits:

- Using recycled materials diverts waste from landfills, reduces the need for raw materials, and decreases the environmental impact of the building
  - Use of FSC products encourages environmentally responsible forest management



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# Water Efficiency

Realizing the scarcity of water resources in California, in the John T. Chambers Technology Center, we use water efficiently in the following ways:



- High-efficiency water fixtures, such as low-flow faucets and toilets, reduce water use
- Heat-tolerant plants, trees, and shrubs are irrigated using non-potable water

## Benefits:

- High-efficiency water fixtures use 50% less water than standard fixtures
- Using non-potable water for irrigation reduces the need for treatment and pumping costs to the City of Stockton



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# Energy Efficiency

The John T. Chambers Technology Center exceeds California's energy standards by over 25%:



- The highly reflective roof material reflects a portion of radiation, resulting in a cooler building interior
- Energy-efficient lighting is used in and around this building
- Solar panels supply over 6% of the building energy use
- Vegetation around the building reduces the heat island effect

## Benefits:

- Using a cool roof and reducing the heat island effect lowers electricity usage and costs associated with cooling the building
- Energy efficiency and on-site energy generation reduce environmental and economic impacts of fossil fuel use



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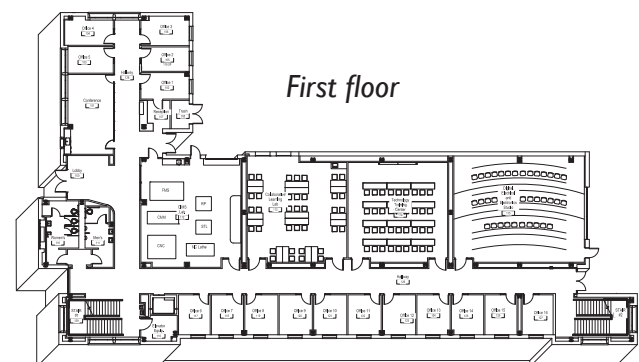
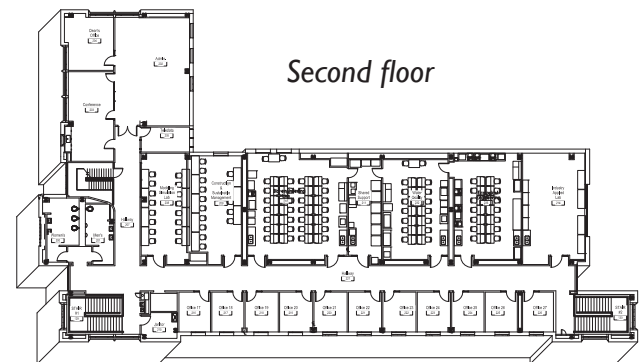
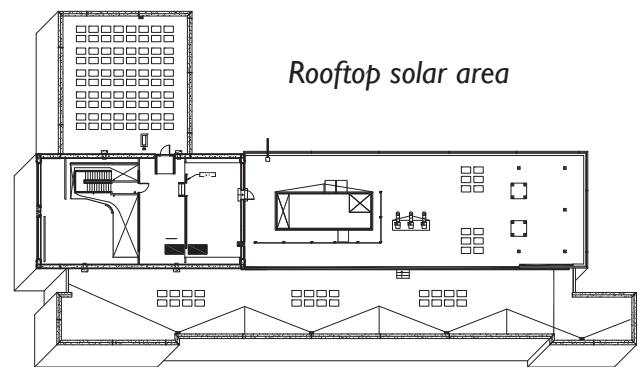
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