

## South Quad Renovation



### Project Description

The project will renovate approximately 106,700 gross square feet of space, including the ground and first floors of South Quadrangle. The renovation will provide expanded student dining facilities for the Central Campus neighborhood and updated bathrooms throughout the building. New and reorganized spaces will revitalize the residence hall and create much-needed spaces for student interaction and community development, such as group study spaces, music practice rooms, and refurbished lounges. Infrastructure improvements within the renovated areas include: new plumbing, heating, cooling, ventilation, fire detection and suppression systems; wired and wireless high-speed network access; and accessibility improvements.

### Energy Efficiency Measures

- The building's design and systems include a number of energy efficient features that allow for an estimated 30% energy savings compared with a code energy compliant building as defined in ASHRAE 90.1-2007 Appendix G
- Improved glazing system performance
- Use of occupancy sensors as lighting controls
- Utilized VAV kitchen hood exhausts as well as partial hood makeup via transfer from community spaces
- Utilized additional kitchen hood enclosures such as baffles and side curtains
- South façade external shading devices
- Specified low pressure loss air handling units
- Utilized infrared scans of building during construction

### Other Sustainability Features

- Water conservation measures for this project include the following measures to target a minimum 20% water usage reduction:
  - Dual flush water closets
  - Low flow urinals
  - Low flow shower heads
  - Storm water management system will be created to infiltrate runoff from the increased impervious surface
- Additional bicycle parking provided to encourage bicycle usage
- Porous pavers utilized in several areas
- Select kitchen equipment rehabilitated and reused
- Construction waste management such that 50% of the material diverted from landfills
- Building materials both regional and local have been sought to make up minimum of 10% the cost of total building materials
- Kitchen waste going through a pulper, significantly reducing the amount of solid waste from the dining facility

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### Project Data

- Budget: \$68.5 M
- Schedule: Completion Scheduled for Summer 2014
- Square Feet: 106,700 gross sq. ft. renovation

### Substantially Complete: July 2014

- Project Status: Substantial Completion
- Design Complete: 100%
- Construction Complete: 100%