

EYP/

Union College

Peter Irving Wold Science & Engineering Center



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This integrated teaching and research facility puts Science on Display in an inviting “town square” to spark student interest in Science, Technology, Engineering, and Mathematics (STEM) fields and encourage interdisciplinary collaboration. The new building’s southwestern facade echoes the curved colonnades of existing structures to restore the dignity of a visually unified vista from the iconic monument at the center of the campus. The design movement from entryway to atrium embodies the college’s mission of “shaping the future and understanding the past.” Those who cross the threshold are transported from a historic landscape to a thoroughly contemporary inner-space characterized by transparency and technology.

To realize the client’s aspiration of “Building as Curriculum,” the LEED Gold design presents a lesson in sustainability. A dashboard tracks the facility’s energy consumption in real time, promoting student awareness of energy consumption and the costs/benefits of energy-efficient technologies. Sustainable features include photo-voltaic panels; solar thermal collectors; heat recovery wheel; geothermal heating; LED light fixtures; daylight controls; and passive daylighting. A custom curtain-wall assembly allows installation of multiple new glazing technologies as part of Energy & Engineering research; and a rooftop energy lab enables students to test what they are building in the sophisticated Aerogel Lab.

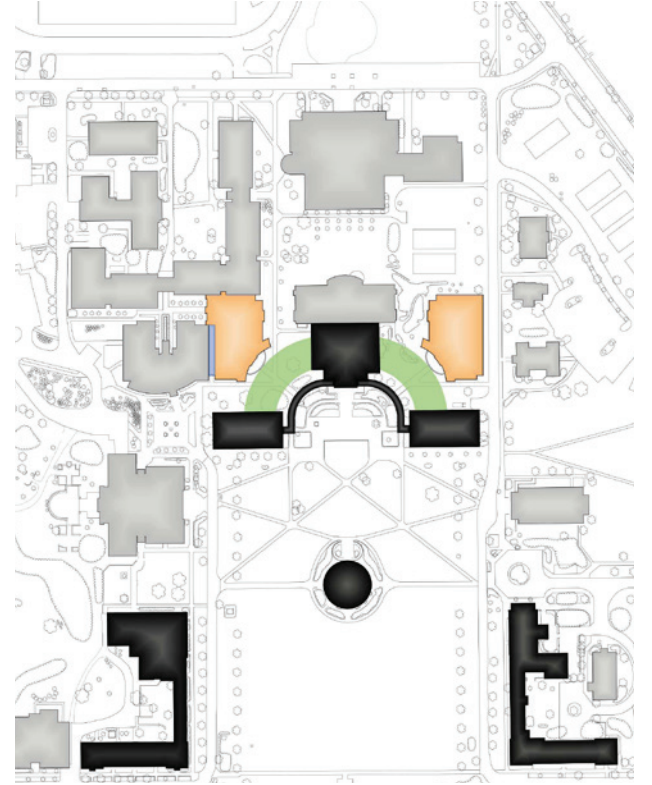
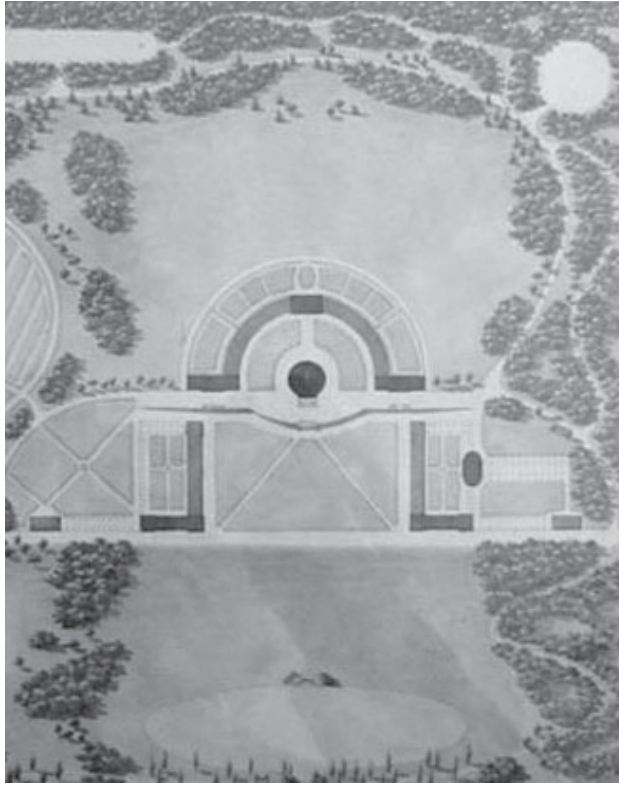
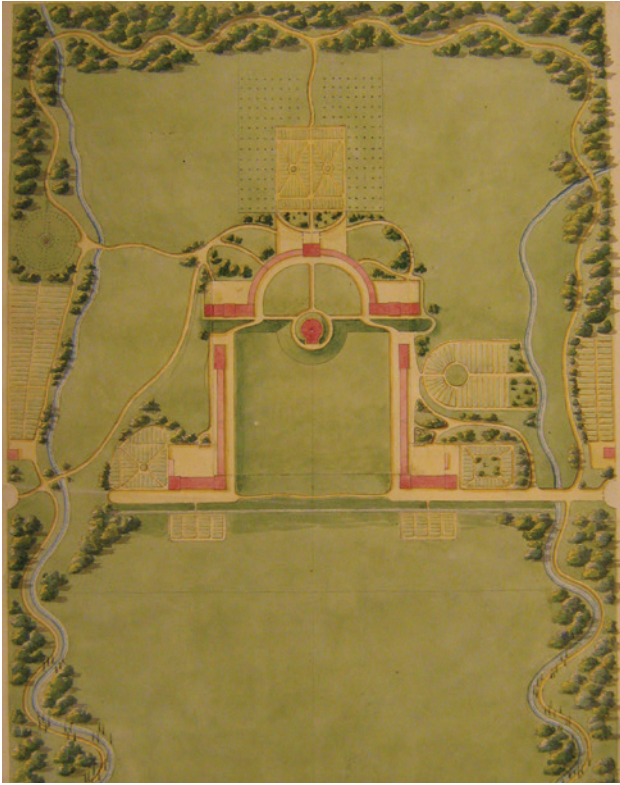
Start: Jun. 2008

Completion: Mar. 2011

Construction Management: CM at Risk

Area: 42,000 sf

Program: Undergraduate Science and Engineering Teaching & Research Facility





PETER IRVING WOLD CENTER

ROOM FUNCTION

- ATRIUM
- BUILDING SUPPORT
- CIRCULATION
- CLASSROOM
- DISPLAY
- MEETING
- RESEARCH LAB
- SUPPORT
- TEACHING LAB



ROOM FUNCTION

- ATRIVM
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- CLASSROOM
- FACULTY
- MEETING
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PETER IRVING WOLD CENTER

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Architecture & Engineering

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expertise driven design