



## MATERIALS & RESOURCES

- Preserved and restored the original South College building
- Aiming to divert over **75%** of construction wastes from landfill
- **10%** of building materials contain recycled content and were extracted, processed, and manufactured regionally
- **50%** of wood products are [Forest Stewardship Council \(FSC\) Certified](#)



## INDOOR ENV. AIR QUALI-

- Developed and implemented an Indoor Air Quality Plan during construction and before occupancy
- Low-VOC adhesives, sealants, paints, coatings, and flooring systems
- CO<sub>2</sub> sensors ensure adequate fresh air is provided to densely-occupied interior spaces
- Thermal comfort survey will be administered to building occupants following project completion



## INNOVATION IN DESIGN

- Green Housekeeping Program
- Active green building public education programs



Interior Atrium

## TAKE ACTION TODAY!



# SOUTH COLLEGE ACADEMIC FACILITY

## GREEN BUILDING GUIDE



Northeast Perspective



**UMassAmherst**  
The Commonwealth's Flagship Campus

## PROJECT OVERVIEW



The \$65 million [South College Academic Facility](#) includes a major renovation and restoration of the existing South College building (built in 1885), combined with a four-story, 60,000 S.F. new addition. Portions of the existing structure were restored to their original materials. All mechanical, electrical, and plumbing systems were upgraded to meet modern building code.

The addition's massing and materials were carefully selected to complement the original historic structure. The extension is designed to facilitate accessibility to campus and through the building, with entrances located on all four sides. The program includes common areas, faculty offices, and classrooms with state-of-the-art audiovisual communications systems. A three-story, central atrium celebrates the intersection of the old and new.

Together, the renovation and addition house the [College of Humanities and Fine Arts](#), including the departments of [English](#), [Philosophy](#), [Art History](#), and [Women, Gender & Sexual Studies](#). The project was completed in December 2016, and is currently targeting [LEED Gold Certification](#).



## SUSTAINABLE SITES

- Sitework strategy preserved [historic legacy trees](#)
- Drought-tolerant native plantings require minimal maintenance and no permanent irrigation methods
- Walkable to a library, hotel, restaurants, and other community services. Easy access to six campus bus stops and eleven [PVTA](#) bus lines
- Provided increased bike storage with shower and changing facilities onsite



## WATER EFFICIENCY

Water efficient landscaping and low-flow plumbing fixtures reduce potable water usage



## ENERGY & ATMOSPHERE



- Aims to cut overall energy use by **30%** through a high performance addition building envelope, thermally improved existing building, low-e insulated glazing, energy recovery ventilators with dual enthalpy economizers, and using hot and chilled water from the [Central Utility Plant](#)
- Projecting a **55%** reduction in lighting power density via occupancy sensors, daylight dimming controls, and high-efficiency LED light fixtures
- Enhanced commissioning ensures that building systems perform as intended post-occupancy
- Metering and sub-metering of energy use monitors building performance over time