

# COLLEGE

## Planning & Management

Green Education  
Design Showcase

Judges' Choice:  
BUILDING AS A TEACHING TOOL

### East Hall

Worcester Polytechnic Institute ▪ Worcester, Massachusetts



A/E Firm	<b>Cannon Design</b>
Gross Area	103,500 sf
Gross Area per Pupil	446 sf
Capacity	232 Beds
Cost per sf	\$319
Total Project Cost	\$33,000,000

#### GREEN DESIGN

Principles Followed: LEED  
Certificates Obtained: LEED Gold  
Green Elements

- Site Selection and Development
- Water Conservation
- Energy Efficiency and Conservation
- Materials
- Indoor Environmental Quality
- Building as a Teaching Tool
- Building Commissioning

Seeking both to increase the number of beds and to attract upper-class students back to campus, Worcester Polytechnic Institute commissioned Cannon Design to provide planning and design services for East Hall. The LEED Gold-certified, five-story facility provides 232 beds in a mix of single- and double-room suites and studios, while continuing the streetscape and complementing the character of the campus and surrounding area. The compactly designed and configured plan features central courtyards on the building's east and west sides, while a three-level, 220-car parking structure provides the site with a landscaped edge and a 40-foot-wide "arts walk."

A 4,800 sf palletized roof system, located on 17,800 sf of ENERGY STAR roofing, and storm water monitoring/testing station located

on the ground-floor lobby educate students and the public about green design, enrich the institute's environmental science curriculum, and conducts green roof technology research. A group, including students and administrators, planted seedlings for the green roof.

Professors and students participated in weekly construction meetings, suggesting research projects and maintaining active roles on the stakeholder committee throughout the process. Civil engineering students modeled the building construction and used software to replicate how the building would appear at various milestones. Interactions with the construction manager and subcontractors allowed students to compare schedules and explain differences.