



AMERICAN SCHOOL BOARD JOURNAL

SPRING 2011

# LEARNING BY DESIGN

THE PREMIER SOURCE FOR EDUCATION DESIGN INNOVATION AND EXCELLENCE

Mission-focused  
design fosters  
learning and  
community

## High Performance, Intelligent Design

Pennsylvania's  
Grand Prize Winner  
Springfield  
Literacy Center

- 20th Anniversary Awards of Excellence
- Community Colleges' New Role
- Strategies for Optimal Sustainability
- Architects Salute 20 Years of Design Innovation



## Technology Center

NEW CONSTRUCTION

**RACHLIN ARCHITECTS**  
8640 National Blvd.  
Culver City, CA 90232  
www.rachlinarchitects.com  
Michael Rachlin  
310/204-3400

### DESIGN TEAM

Michael Rachlin, AIA,  
Principal-in-Charge  
Enrico Como, AIA,  
Designer  
Paul Dragescu,  
Designer  
Andrew Ulmen,  
Designer  
Erik Sharp, AIA,  
Project Architect  
Mario Suson,  
CADD Leader

### OWNER/CLIENT

Long Beach Community College  
District, Long Beach City College  
Long Beach, CA  
Eloy Oakley, President  
562/938-4353

### KEY STATS

**Grades Served:** Post-secondary  
**Capacity:** 276 students  
**Building Area:** 26,450 sq. ft.  
**Building Volume:** 476,100 cu. ft.  
**Space per Student:** 96 sq. ft.  
**Cost per Student:** \$51,449  
**Square Foot Cost:** \$537  
**Construction Cost:** \$14.2 million  
**Total Project Cost:** \$15.2 million  
**Contract Date:** 2005  
**Completed:** July 2010

PHOTOGRAPHY: TOM BONNER

COLLEGE/UNIVERSITY

# Long Beach City College Industrial Technology Center

Long Beach, CA



The Long Beach City College Industrial Technology Center was designed to house spaces with cutting-edge computer-driven technical equipment for the college's welding, machine tooling, and architecture departments. Designed in the international style of modern architecture that humanizes a curriculum rooted in machinery, the project provides multimedia educational spaces, a computer skills/study center, labs, and specialized facilities for welding and machine tools.

The emphasis on glass and exposed steel structures is aesthetically pleasing and representative of the building's industrial function. It is also a key component to maximizing natural daylight within the building and, consequently, reducing energy use.

To ensure good indoor air quality and occupant comfort—key considerations given the potential health and safety hazards of industrial equipment—high ceilings, a “dust hog,” and operable windows were incorporated in the design to provide appropriate ventilation and evacuation



of heat, gases, and dust from the machine shop. Rows of spandrel glass also have been incorporated to reduce the amount of heat generated by sunlight.

For the exterior, metal panels and dramatic night

lighting contribute to the Industrial Technology Center's industrial appearance, while landscaping provides a natural contrast through a tree-shaded quad with benches and grassy areas for students to use as gathering places. ■