

Green School Building  
New Construction

**SMITH SINNETT  
ARCHITECTURE**

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Raleigh, NC 27607  
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**DESIGN TEAM**

HMC Consultants,  
Structural Engineering  
Progressive Design Collaborative,  
Mechanical, Electrical,  
Plumbing Engineering  
Parker & Associates,  
Civil Engineering

**OWNER/CLIENT**

Coastal Carolina  
Community College  
Jacksonville, NC  
Ronald K. Lingle, Ph.D.,  
President

Type of School  
and Grades Served:  
Community College,  
Post-secondary  
Capacity: 990 students  
Size of Site: 5.2 acres  
Area of Building:  
51,582 square feet  
Volume of Building:  
722,148 cubic feet  
Space per Student:  
57 square feet

Cost per Student: \$10,101

Square Foot Cost: \$157

Cost of Construction:  
\$8.2 million

Total Project Cost: \$10 million

Contract Date: Aug. 2005

Completion Date: Jan. 2007

Percent of Completion: 100%

**GREEN | COLLEGE/UNIVERSITY**

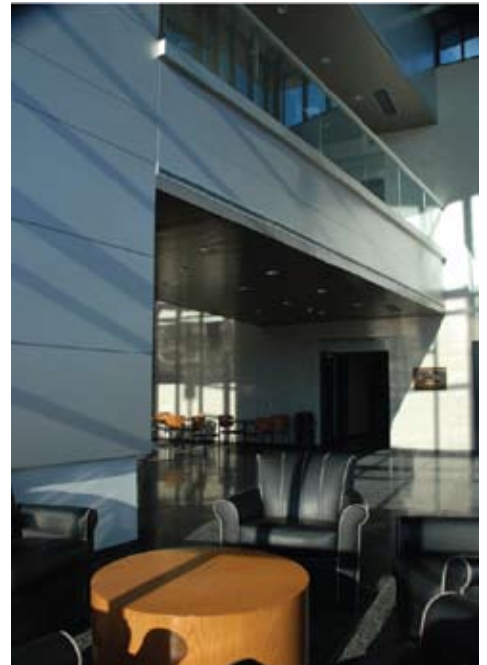
# Coastal Carolina Community College Math & Science Building

*Jacksonville, North Carolina*

Smith Sinnett Architecture



LOBBY AND WALKWAY



LOBBY INTERIOR

Coastal's Math & Science Technology Building includes an academic wing, an administrative wing, a student commons area, and a colonnade.

In addition to housing faculty offices, laboratories, and lecture rooms, the goals for the building were to preserve an open space for exterior events; link the new building to the rest of the campus with a pedestrian "spine"; and provide an exciting new image for campus buildings while respecting the scale, color, and texture of the existing campus facilities.

The landscaped open space between the new building and the existing adjacent building is a lawn amphitheater. The raised walkway serves as a podium at one end, with the



EXTERIOR

two-story colonnade forming a backdrop. The commons area will accommodate up to 3,000 people for special events such as graduation ceremonies.

The lobby is entirely glazed to project a luminous reflection and serves as a campus beacon when viewed from

the heavily traveled boulevard. Natural daylighting is prevalent in the classrooms, with light shelves and passive solar shading throughout the building. The mechanical system is composed of water-source heat pumps with a geothermal source. ■