

ENGINEERING & TECHNOLOGY BUILDING AT VIRGINIA STATE UNIVERSITY

21st Century Engineering & Technology Building



Size: 77,198 S.F.
Budget: \$14,000,000
Bid: \$14,299,000
Completed: Spring 2007

The new Engineering & Technology Building is a three-story structure designed to better serve the needs of the Department of Engineering at Virginia State University. In addition to classrooms and faculty offices, specialized engineering teaching and research labs and a classroom auditorium are provided to address the specific needs of a 21st century engineering program.

The building was designed and constructed according to the principles and standards of the U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED®) program. Using LEED version 2.1 as a tool to guide decisions, the project team incorporated the following elements into the building's design and construction:

- water efficient landscaping that does not require permanent irrigation;
- ultra low-flow urinals, low-flow lavatories, and handwash fountains, which contribute to a reduction in water use of over 41 percent;
- a measurement and verification system to ensure heating, cooling, and electrical equipment are working efficiently;
- carbon dioxide monitoring, which alerts the HVAC system when occupied spaces are not receiving enough ventilation;
- recycled and regional materials as well as FSC certified wood;
- low-emitting materials;
- operable windows in all regularly occupied spaces; and
- views to the outdoors for occupants in 90 percent of regularly occupied spaces.

