

NEW ACADEMIC BUILDING AT TIDEWATER COMMUNITY COLLEGE

New Building Construction to Minimize Environmental Impact

Size: 63,000 SF
Budget: \$23,162,000
Bid: TBD
Est. Completion: 2012



The newest addition to the TCC Chesapeake Campus is a three-story, 62,000-square-foot structure that will accommodate academic and administrative functions. The building will house classrooms, computer labs, faculty offices, a Dean's Suite, and multi-purpose assembly space. Located next to the new Student Center, the facility will be the first of five that will expand the campus westward in accordance with TCC's master plan. With added parking, open green space, and pedestrian walkways, the project will also include extensive site development.

To minimize the environmental impacts of development, and enhance building efficiency, the new facility is being designed according to the U.S. Green Building Council's LEED® for New Construction Version 2.2 standards. Sustainable design features of the facility will include:

- stormwater treatment for the project site and separate parking lot;
- low-flow plumbing fixtures to reduce water consumption by over 30 percent;
- a steel structure for the future installation of roof-mounted solar hot water and photovoltaics;
- using substantial daylighting with a horizontal sun shading system to better direct light and help prevent glare;
- lighting and temperature controls to improve occupant controllability and comfort;
- dual-technology occupancy sensors to improve the efficiency of electrical lighting;
- submeters to monitor energy use by mechanical, lighting and plug loads;
- low-emitting materials to reduce indoor air pollution; and
- an interactive dashboard to educate faculty, staff, students and visitors about the sustainable features of the building.