

# Richard W. Sankey Hall

Sankey Hall is a three-story, 30,000 square foot facility that accommodates the significant growth of the Love School of Business, which has experienced an increase of 80 percent in its number of majors in the past decade. The building houses the Doherty Center for Innovation, Creativity and Entrepreneurship; Chandler Family Professional Sales Center; a Design Thinking Center; and Financial Education Center, which are all available to students in every major, school and college. Sankey Hall features technology-infused classrooms, faculty offices, conference rooms, student breakout spaces and areas for student-faculty engagement.



Per the University's Green Building Policy, the building was designed and constructed using the principles of the LEED program and achieved LEED Silver. LEED stands for Leadership in Energy and Environmental Design and is the preeminent green building rating system internationally.

## Sustainable Sites



The facility is located within walking distance of many commonly used buildings on campus, such as Belk Library, Clohan Hall and Moseley Center. It is also just a short walk to two Elon BioBus stops from the building. The parking lot has preferred parking for low-emitting and fuel efficient vehicles, which includes a wide variety of vehicle types. Vehicles must have a [green score](#) of 40 or more as determined by the American Council for an Energy-Efficient Economy to be eligible for these spaces. Some parking lot area was removed for the building's construction and the site provides plenty of open space as well as bike racks.

## Water Efficiency

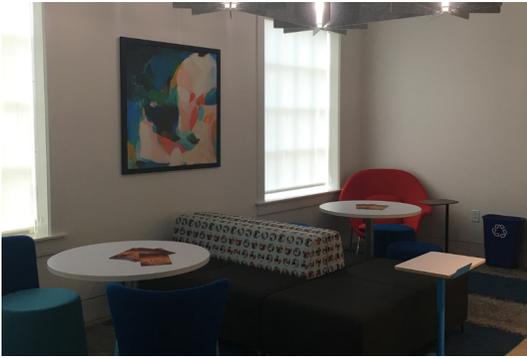
All of the plumbing fixtures in the building are low-flow. The lavatory faucets use less than 1 gallon of water per minute, toilets have dual-flush handles and the urinals use only 1 pint of water per flush. These fixtures are expected to reduce the building's potable water usage by about 31% compared to standard fixtures. The landscaping around the building is designed to minimize the need for irrigation.



## Energy Efficiency

Energy efficient systems were integral in the design and construction of Sankey Hall. The energy cost savings of the building is about 23% compared to a building that meets the standard building energy code. Among the energy efficiency strategies there are variable speed drives on pumps and fans, energy recovery wheels, variable air volume air handling units and high efficiency condensing type boilers. The central chilled water system employs a variable capacity and high efficiency air cooled chiller. Building lighting is controlled through a combination of switching and occupancy sensors. All lighting is LED, including specialty lighting, which does not contain mercury. There is metering for water, natural gas and electricity, including submeters for HVAC, lighting and plug loads, which allows for improved monitoring and tracking of consumption.

# Materials and Resources



During construction, 89% of the waste was recycled or reused, which kept it out of the landfill.

In addition, building materials with recycled content (pre and post-consumer) were used, about 12% based on cost. Using recycled content reduces the need for virgin materials. Specific examples include the structural steel, ceiling tiles and carpet.

To support the regional economy and reduce the impact of transportation, regional materials were used as much as possible.

In the LEED system, regional materials are those that are extracted, harvested, recovered and manufactured within 500 miles of the project site. Based on cost, about 16% of the building materials are regional. Specific examples include the concrete, structural steel, brick pavers and carpet. Some of the furniture pieces are from North Carolina furniture companies.

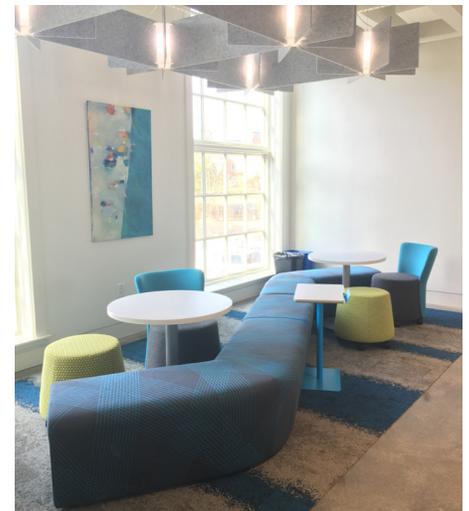
In addition, many of the furniture pieces contain recycled content, are durable and have earned sustainability-related certifications, such as LEVEL.

As in all buildings at Elon, recycling containers are located throughout the building for single stream recycling. Cardboard, battery and small electronics recycling is also available.

# Indoor Environmental Quality

Providing excellent indoor environmental quality was another essential component in the design and construction of Sankey Hall as it contributes to the health and productivity of building occupants. Great care was taken during construction to ensure the building and systems were kept clean and free of contaminants benefiting the construction workers and the eventual building occupants and users. For example, duct work was kept covered to prevent debris from accumulating and a special sweeping compound or wetting agent was used to minimize dust.

The adhesives, sealants, paints and flooring systems used in the building contain low or no amounts of volatile organic compounds (VOCs). Low VOC products allow for better air quality during and after construction. The composite wood products used in the building contain no added urea-formaldehyde. The entry way systems also help provide good indoor air quality by preventing dust and other contaminants on shoes from entering the building. Many of the full-time offices have a window. Studies have shown that natural light improves occupant well-being and productivity.



Several of the furniture pieces have earned designations that verify low chemical emissions, which supports good indoor air quality, such as Greenguard. A green cleaning program is also used in the building, which benefits occupants and maintenance personnel. Green cleaning improves air quality, occupant health and well-being and is better for the environment.

# Innovation and Design Process

This category within LEED recognizes exceptional performance and innovative strategies not covered in standard credits. The project exceeded the open space requirement, which was recognized in this category. An educational program to educate building occupants, visitors and the greater community on the sustainable building features and their benefits also received credit. If you would like a tour focusing on the sustainable features of this building, [please contact us](#).

