

2012 Exhibition of School Planning and Architecture

James B. McNeer Hall

Richard Bland College
New Construction
Project of Distinction
Moseley Architects

James B. McNeer Hall



Main Entry

Community Environment

Richard Bland College of The College of William and Mary in Virginia was founded in 1960. It is The Junior College of the Commonwealth of Virginia. The College offers a traditional curriculum in the liberal arts and sciences leading to the associate degree, and other programs appropriate to a junior college. The curriculum is intended to allow students to acquire junior status after transferring to a four-year college, or to pursue expanded career opportunities. The College recognizes its responsibility to serve the public by providing educational and cultural opportunities for the community at large.



Entry Lobby

Community Environment *(Continued)*

The building committee including Alumni, Friends, Faculty and Staff, The Richard Bland College Foundation Board, The Board of Visitors of The College of William and Mary applied the principles of smart growth, sustainable design, and environmentally sound planning to reconcile economic needs with the preservation of the site, cultural, and community values. The final building program is a variety of active learning, study and gathering environments that assures there is a place for every component of both the academic as well as surrounding community interests.



View from North

Learning Environment

The James B. McNeer Hall Science and Technology Building is home to Biology, Chemistry, Physics, and Mathematics programs. The program is made up of classrooms and laboratories, academic computing facilities, seminar rooms, faculty and administrative offices, along with faculty and student lounges.

The building is zoned by curriculum and endeavors to encourage social interaction by introducing public gathering spaces at select locations. The organization of the diverse building program into “learning clusters” encourages collaboration and resource sharing between user groups. Collaborative opportunities include synchronization of high school and



Seating Alcove at 2nd Floor Corridor

Learning Environment *(Continued)*

community college students in the same curricula, and sharing of faculty.

First Floor: Faculty offices and support spaces, Math ,Biology and Computer classrooms, Computer labs, and building mechanical and support

Second Floor: Faculty offices and support spaces, Biology classrooms, and Biology labs

Third Floor: Chemistry, Physics and Math classrooms, and Chemistry and Physics labs



Main Lobby

Physical Environment

The James B. McNeer Hall Science and Technology Building is the first new academic building on the campus since the college was founded in 1960. The approximately 53,000-square-foot, three-story building completes and serves as a terminus for the academic quadrangle on the south campus. The 'centerpiece' building endeavors to be a place of beauty, significance and quality. The building's unique architectural presence initiates a new design direction for this part of campus. The curved façade provides visibility of the main entrance to pedestrians crossing Carson Road from the north campus, on axis with a primary pedestrian thoroughfare from the east. Classrooms, laboratories and offices within the building enjoy views of the preserved pine forest to the west, and the academic quadrangle to the east.



Facade Detail

Physical Environment *(Continued)*

Earning LEED Gold in June of 2011, the project features many high performance design elements. A second-story garden roof is designed to help reduce storm water runoff and the heat island effect. The building does not use irrigation for landscape, which consist of native Virginia plant species. Drainage swales are incorporated to detain water and supply additional water for the surrounding vegetation. Water efficiency strategies, including installing low flow fixtures and dual-flush toilets, add up to over a 41 percent reduction in water use. The building's energy model predicts an energy cost reduction of 34 percent.



Organic Chemistry Lab

Planning Process

One of the early project goals was that the design of the facility should enhance interaction between among students, faculty and staff. As a result the building features a circulation spine with "smart streets" which run east to west through the building providing views into the lab and technology spaces. Abundant use of interior storefront glazing connects users with adjacent activities that show case the building technology and science programs. All informal areas of the building are provided with access to Wi-Fi including the "smart street", alcove -bay seating lounges and group study areas. Laboratories and support spaces use a 10' by 30' planning module to facilitate future changes in



Student Lounge

Planning Process *(Continued)*

laboratory technology and teaching methodology. A series of workshops, interviews and focus groups with library staff, faculty, students, administrators and the community was integral to the programming and planning process and preceded the actual design work. During the design, enlarged layouts of each department were distributed to department heads for work flow assessment to assure efficient operations.



Exhibition of School Planning and Architecture Project Data

Submitting Firm :	Moseley Architects
Project Role	Design Architect
Project Contact	George Nasis
Title	Vice President
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Address	11010 Jefferson Ave
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Exhibition of School Planning and Architecture Project Details

Project Name	James B. McNeer Hall
City	Petersburg
State	Virginia
District Name	N/A
Supt/President	Debbie Sydow
Occupancy Date	July 2011
Grades Housed	Junior College
Capacity(Students)	1,302
Site Size (acres)	4.98
Gross Area (sq. ft.)	51,526
Per Occupant(pupil)	39.57
gross/net please indicate	51,526 / 34,573
Design and Build?	No
If yes, Total Cost:	
Includes:	
If no,	
Site Development:	\$ 654,629
Building Construction:	\$14,403,136
Fixed Equipment:	\$ 675,829
Other:	
Total:	\$15,733,594