

Nursing Education





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MEET JMT ARCHITECTURE

JMT Architecture is the architectural studio of JMT, a 2,000-person A/E firm headquartered in Baltimore, Maryland. This arrangement successfully combines the technical competence, depth of talent, and management expertise of a larger firm with the hands-on, personal services of a small firm. With a high quality of talent and expertise in higher education and health sciences, JMT Architecture is recognized as a national leader in the planning and design of nursing and clinical simulation facilities.

PREPARING FOR THE NEXT GENERATION OF NURSING STUDENTS

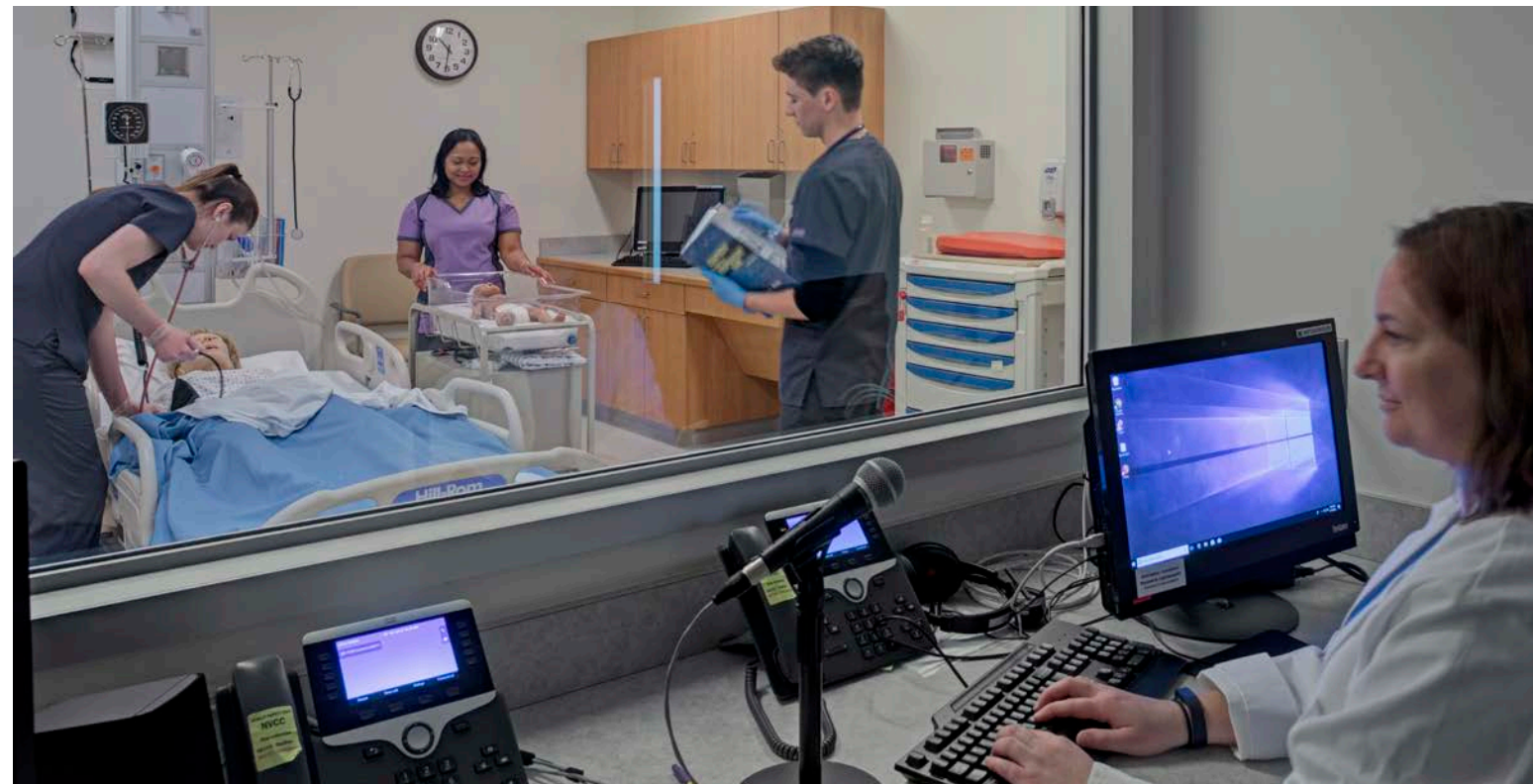
Nursing education is dynamic: students are not only preparing for current workforce demands, but to also be flexible as healthcare continues to rapidly evolve. The design of nursing education facilities must align with this philosophy. JMT's architects are committed to contributing to this need by designing facilities that embrace the current learning style while easily adapting to future trends. They bring to bear their insights from more than 23 years of experience designing state-of-the-art health sciences education facilities that feature teaching and learning spaces that are both innovative and technology rich.



CHALLENGES IN NURSING EDUCATION

Nursing educators are key drivers in the future of healthcare as they inspire, teach, and mentor the next generation of nurses. JMT will work in partnership with your institution to identify prospective trends that influence nursing education. Our learning environments support you in teaching enthusiastic students and answer the ever-evolving needs of the 21st Century.

- Attracting traditional and non-traditional **students** and supporting their academic and professional success.
- Creating an environment for **faculty** that fosters opportunities for recruitment and development.
- Providing interprofessional learning opportunities that meet the needs of an **evolving workforce**.
- Planning and design of adaptable **facilities** that support new pedagogies and evolving technologies.



We strive to incorporate faculty preferences in our design to accommodate the unique equipment and workspace needs.

3

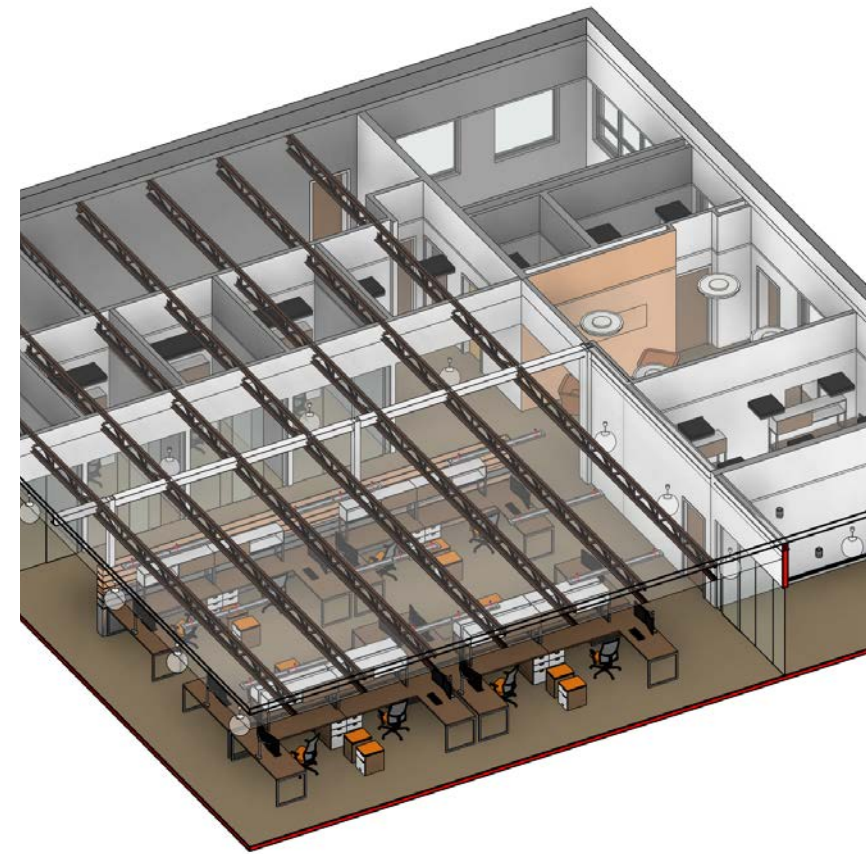
OUR PROCESS



Our architect's have a unique perspective based upon their experience working with a wide spectrum of institutions, approaches, and pedagogical preferences. The approach taken at an institution is based on five driving questions:

- What do you want your graduates to accomplish?
- What skills are needed to reach these goals?
- What experiences are needed to gain those skills?
- What curriculum will help those experiences?
- What facilities will best support your curriculum?

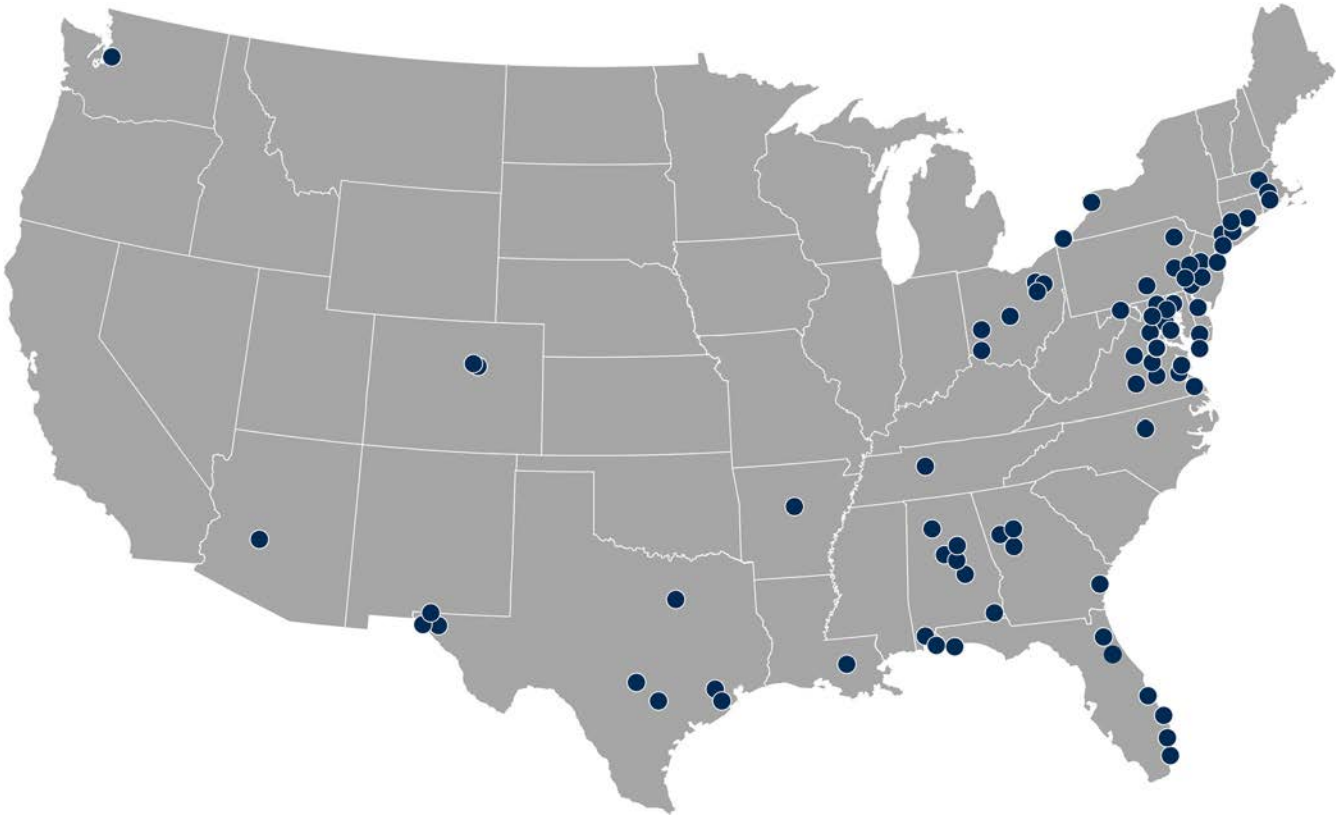
We are experts at organizing large stakeholder groups to represent a wide range of fundamental issues and interests.



SERVICES

- | | |
|---------------------|-----------------------|
| Architecture | Programming |
| Interior Design | Historic Preservation |
| Health Ed. Planning | Facility Assessment |
| Simulation Planning | Graphic Design |
| Lab Planning | Animation VR |
| Academic Planning | Rendering |

OUTCOMES



BUILDING PROJECTS

- Cabrini University | New Nursing Department
- College of Coastal Georgia | Health + Science Building
- Drexel University | School of Public Health Renovation
- Fortis College | School of Nursing + Allied Health Renovations
- Longwood University | Clinical Simulation Learning Center Renovation

- Marcus Institute at Emory University | Clinical Care / Education Building
- Messiah College | Clinical Simulation Labs Renovation
- Monmouth University | New Medical Simulation Center
- Naugatuck Valley CC | Health Sciences Building Renovation + Addition
- Randolph-Macon College | New Nursing Building
- Rhode Island College | School of Nursing Simulation Center

- Samford University | College of Health Sciences
- St. Paul's School of Nursing | School of Nursing Renovation
- Texas State University | School of Nursing Building (LEED Silver)
- Towson University | College of Health Professions
- Towson University | Institute for Wellbeing
- University at Buffalo SUNY | School of Nursing Renovation
- University of Maryland, Baltimore | School of Nursing Building
- Universities at Shady Grove | Simulation Center Renovation
- University of Texas El Paso | College of Health Sciences + School of Nursing
- University of Rhode Island | Nursing Education Center
- Villanova University | College of Nursing Building (LEED Gold)
- Virginia Commonwealth University | School of Nursing Building
- Wor-Wic Community College | Allied Health + Nursing Building

PLANNING + PROGRAMMING PROJECTS

- Boston College | Connell School of Nursing Relocation
- Bridgeport Hospital | School of Nursing
- College of Coastal Georgia | Health Sciences Building
- Drexel University | College of Nursing + Health Professions
- Drexel University | School of Public Health
- Gwynedd Mercy University | School of Nursing + Allied Health Expansion
- Inova Hospital | New Simulation Center
- Longwood University | New Nursing Department
- Marcus Institute of Emory University | Clinical Care / Education Building

- Messiah College | Department of Nursing
- Naugatuck Valley CC | Health Sciences Building Renovation
- North Carolina Central University | New Nursing Building
- Rhode Island College | School of Nursing Expansion
- Rutgers University | School of Nursing + Science Building
- Salisbury University | College of Health + Human Services
- Samford University | School of Nursing
- Texas State University | New School of Nursing
- Texas Tech University | New School of Nursing Building
- Towson University | College of Health Professions
- Towson University | Institute for Wellbeing
- University at Buffalo SUNY | School of Nursing
- University of Central Arkansas | School of Nursing
- University of Rhode Island | Nursing Education Center
- Universities at Shady Grove | Simulation Center
- University of Texas El Paso | College of Health Sciences
- University of Texas El Paso | School of Nursing
- University of Washington | College of Nursing
- University of Oklahoma | College of Nursing
- Villanova University | College of Nursing
- VA Commonwealth University | School of Nursing + Allied Health Prof.
- Wesley College | New Nursing Building
- Wor-Wic Community College | Allied Health Building

TOWSON UNIVERSITY

College of Health Professions | Towson, MD

Towson University's 240,000 GSF College of Health Professions (CHP) building will consolidate a new building for the School of Nursing, the dean's office, and the health professions departments at the University including audiology, speech-language pathology, health science, health studies, kinesiology, and occupational therapy and occupational science. The new building includes high-tech, state-of-the-art simulation and skills labs, more than 30 classrooms, and space for students and faculty to collaborate and strengthen interprofessional education.

In association with Perkins + Will, JMT Architecture led the planning and design of the simulation and skills labs spaces, an area of expertise for JMT's Higher Education team. JMT provided the University with a mindful design that reflects its new brand identity and creates a flagship building for the health professions programs on campus.

A six-story atrium connects the north and south entrances allowing for students to flow through the building and encouraging the campus population to utilize the common areas and café. Central to the commons is a large multipurpose auditorium for campus and public events. The overall goal is to advance health and wellness for CHP students and the campus community at large.

Construction is underway for completion in early 2024.

"The support for this capital project and our College of Health Professions' programming will directly benefit the people of our state. Now our faculty and staff, with this first-ever dedicated building, will have world-class resources to support their teaching and research." - *Kim Schatzel, President, Towson University*

SERVICES

Associate Architect
Programming
Lab + Simulation Planning

EDUCATIONAL PROGRAMS

Nursing
Simulation Center
OSCE
Home Health Care
Speech Pathology + Audiology
Occupational Therapy
Kinesiology
Anatomy + Physiology
Research Labs

SUSTAINABILITY

Designed for LEED Gold



RANDOLPH-MACON COLLEGE

Payne Hall | Ashland, VA

JMT Architecture programmed, planned, and designed a new 31,000 GSF academic building on this historic Georgian campus to house a newly created nursing program. The resulting program occupies the first two floors of the new building with a third-floor for general classrooms and faculty offices. Nursing-specific spaces include nursing fundamental labs, health assessment labs, high-fidelity clinical simulation lab suite, and large home care lab. These spaces are supported by active-learning classrooms, group study rooms, faculty and administrative suites, and student collaboration lounges.

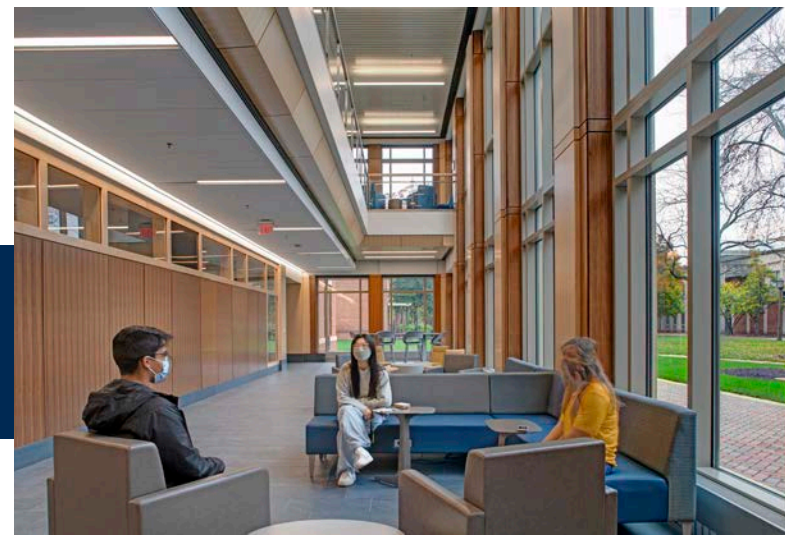
The new building is situated to form a southern edge of campus, creating a new academic quad for the sciences. Planning supports the pedestrian friendly nature of the campus and the long-term vision of the College's Campus Master Plan. The building's exterior design honors the Georgian character of the campus, providing a template for future campus buildings. Facing north to the quad, is a two-story lobby with student and lounge areas, with direct access to major classrooms and lab areas. The glass, light-filled, lobby provides panoramic views into the heart of the quad with its old growth trees. A ceremonial stair is housed in a tower at the end of the lobby providing an iconic image for the building and campus focal point.

SERVICES

Architect-of-Record
Programming
Lab + Simulation Planning
Interior Design

EDUCATIONAL PROGRAMS

Nursing
Simulation Center
Home Health Care



"Payne Hall is a simply transformative addition to our campus and will support our outstanding faculty in providing the very best Nursing education possible." - Robert Lindgren, President | Randolph-Macon College

UNIVERSITY OF RHODE ISLAND

Nursing Education Center | Providence, RI

JMT Architecture worked with Schools of Nursing from the University of Rhode Island (URI) and Rhode Island College (RIC) to program, plan, and design the 140,000 SF Rhode Island Nursing Education Center (NEC). The NEC is one of the largest and most advanced medical simulation facilities in the country. It is a critical component of South Street Landing, a collaborative redevelopment focused on creating a new model of higher education and health innovation to anchor the biomedical research district in downtown Providence.

The NEC features state-of-the-art facilities for URI and RIC, as well as administrative facilities for Brown University creating a unique public-private higher education partnership. It includes general classrooms, administrative and faculty offices, student areas, and a 28,000 NSF simulation center. The simulation center has a wide array of simulation environments, including nursing skills labs, a standardized patient suite, simulation labs, and a unique 2,400 NSF trauma bay designed to facilitate inter-disciplinary teamwork.

In association with Tsoi Kobus Design, JMT conducted detailed user group interviews to determine long term space needs. JMT architects then worked to define how the NEC location could dovetail with the nursing schools on their home campuses and what programs and spaces are required to be located at the NEC. Opportunities for shared spaces and improved efficiency were explored vigorously.

SERVICES

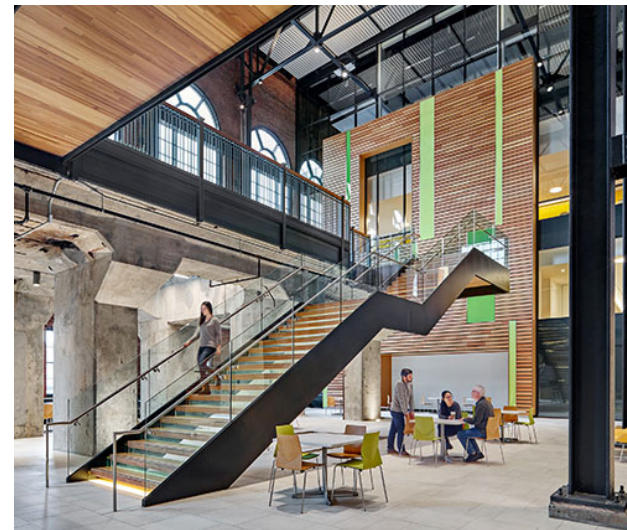
Architectural Design
Programming
Lab + Simulation Planning

EDUCATIONAL PROGRAMS

Nursing
Simulation Center
OSCE
Emergency Medical Services
Home Health Care
On-Site Clinic

AWARDS

National Preservation Award
BSA Design Award
Smart Growth Award



"The University of Rhode Island is preparing nurses to be both advanced clinical practitioners and leaders in 21st Century health care. To achieve this, our nursing students need access to the most advanced health education systems, experienced teachers, and immersive, hands-on clinical training. The Nursing Education Center more than meets that demand, positioning the university and the state of Rhode Island at the forefront of the increasingly technological medical world. Nursing and nurse practitioner students leave URI poised to provide the care and leadership that patients and our health care systems require." - David M. Dooley | President, University of Rhode Island

VILLANOVA UNIVERSITY

Driscoll Hall | Villanova, PA

The four-story, 75,000 GSF Driscoll Hall for Villanova locates the College of Nursing prominently on the University campus serving as the University's gateway building. The new building was sited to form an outdoor space and allow for an adjacent future building to complete an academic quadrangle.

The building is warm and welcoming and provides generous physical and visual access to intimate outdoor gathering areas. Exterior materials include locally quarried stone and Vermont green slate, providing a transitional design between traditional stone and more contemporary expression.

The building houses faculty and administrative offices, classrooms, student areas, seminar rooms, and a "commons" with food service. A 200-seat auditorium and 200-seat tiered lecture hall are located on the first floor.

The entire lower level contains the simulation center, one of the most advanced in the nation. Clinical skills labs include fundamental labs, a maternal child health lab, an ICU/CC lab, a med-surg lab, and a health assessment lab. Also included are a simulated patient suite, a home care lab, and three patient simulator labs, one of which is set up to support the nurse anesthesia program. The simulation center is supported by the most sophisticated audio-visual and software systems, with recording capabilities anywhere in the simulation center and managed with dedicated simulation software.

"You have designed a welcoming building that not only will serve the educational needs of our nursing students and faculty but enhances the entire University. Faculty & staff come in and are actually in tears because they never expected such a beautiful, yet functional building." - *Dr. Louise Fitzpatrick | Former Dean | Villanova University College of Nursing*

SERVICES

Architect-of-Record
Programming
Lab + Simulation Planning
Interior Design

EDUCATIONAL PROGRAMS

Nursing
Simulation Center
OSCE
Home Health Care

SUSTAINABILITY

LEED Gold



SAMFORD UNIVERSITY

College of Health Sciences | Birmingham, AL

JMT Architecture provided full programming, planning, and design services to Samford University for the relocation of the School of Nursing and College of Health Sciences (CHS) to an existing facility. Samford had recently purchased adjacent property with a former corporate headquarters campus. The renovation includes a 135,000 NASF collaborative environment for the four schools that comprise the CHS: The School of Nursing, The School of Pharmacy, The School of Health Professions, and The School of Public Health.

The CHS desired an innovative facility to foster interprofessional collaboration and experiential learning in an interprofessional environment that mirrors today's collaborative approach to healthcare delivery. JMT worked with the CHS in the programming and concept design phase to identify shared areas and adjacencies that support the primary objective of co-locating the schools in one building to foster CHS's objectives. On average, approximately 1,200 students from 30 programs utilize the facilities daily.

The fully renovated building includes state-of-the-art classrooms and clinical labs including a 24,000 NASF high-fidelity simulation center, nutritional kitchen lab, physical and occupational therapy labs, respiratory therapy labs, public health labs, kinesiology and sports medicine labs, pharmacy research laboratories, and a well-being clinic. Faculty and administrative offices and numerous student areas support the unique requirements of the varied programs that make up the College of Health Sciences.

SERVICES

Associate Architect
Programming
Lab + Simulation Planning
Interior Design

EDUCATIONAL PROGRAMS

Nursing
Simulation Center
OSCE
Respiratory Therapy
Pharmacy Technology
Physical Therapy
Home Health Care
Speech Pathology + Audiology
Occupational Therapy
Kinesiology
Athletic Training
Nutrition
Social Work
Anatomy + Physiology
Research Labs



"While health care is changing faster than at any time in history, what hasn't changed, what will never change, is the need for skilled, compassionate caregivers who understand both the art and science of health care."

- Nena Sanders | Former Vice-Provost, College of Health Professions

WOR-WIC COMMUNITY COLLEGE

Shockley Hall | Salisbury, MD

The College's new facility for nursing and allied health programs is a three-story building matching the massing, forms and character of the other campus buildings. Materials match the context of campus but are utilized in a manner that creates additional richness and substance. The building footprint is a bar that is consistent with the intent of the master plan for extending the campus mall to the east.

A three-story atrium facing north along the length of the campus mall allows daylight to fully penetrate into public areas. A grand communicating stair connects all three levels with most of the academic teaching labs accessed from the atrium. Open student lounges and collaboration areas are at the corners of the building, affording views into and across the campus mall. General use classrooms are located on the east and west ends of the building with faculty suites organized along the south side of the building. A tiered lecture hall, seminar rooms, resource center, and group study rooms are also included. The third floor accommodated a new central office for Campus IT Services with a server hub in the penthouse.

The nursing curriculum is supported by three 8-bed skills labs and two high-fidelity patient simulation labs. Allied health areas consist of physical therapy and occupational therapy labs, a radiological sciences suite and an EMT lab. Both programs share a home-care lab. All teaching areas are supported through a robust, state-of-the-art, AV infrastructure.

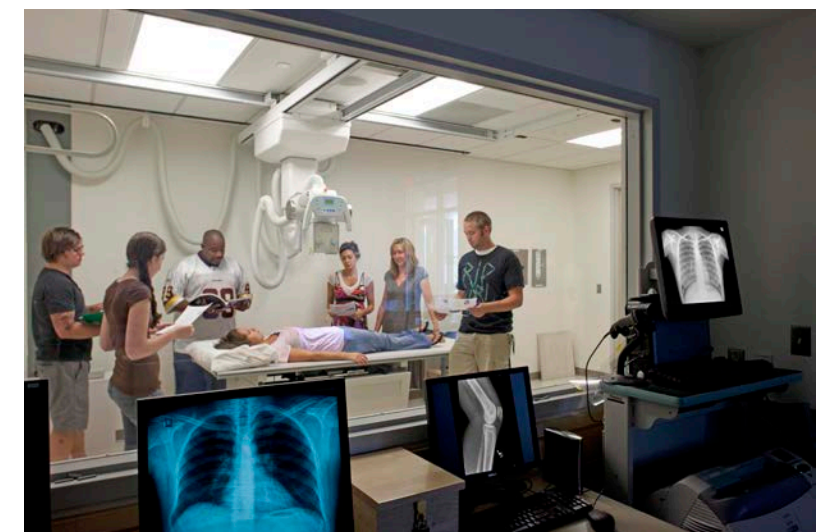
"The faculty and students are delighted with the health science teaching labs, as well as the classrooms. Groups of students are making great use of the seating areas on all three floors and one cannot go into the building without seeing students studying together either in the quiet study spaces or in the seating areas surrounding the grand stairway. It is such a warm and welcoming building with beautiful views of the campus from all angles that people are so comfortable in the spaces"
- Dr. Ray Hoy | President, Wor-Wic Community College

SERVICES

Architect-of-Record
Programming
Lab + Simulation Planning
Interior Design

EDUCATIONAL PROGRAMS

Nursing
Simulation Center
Radiography
Phlebotomy
Emergency Medical Services
Physical Therapy
Home Health Care
Occupational Therapy



TEXAS STATE UNIVERSITY

St. David's School of Nursing | Round Rock, TX

Texas State University San Marcos created a new School of Nursing within their College of Health Sciences to address a growing demand for nursing education. The new 80,000 GSF building is the second building on the new campus and needed to contain a full range of academic, clinical, research, administrative, and student spaces. It takes its massing, materials, and character cues from the first building.

Since this building is devoted to health education, it was important to the University that it serve as a model of a health environment. The building is organized around the primary entrance courtyard which provides intimated shaded seating areas and a venue for outdoor classes, events, and reception. Native and drought-resistant landscaping reduces the demand for potable water.

The secondary entrance is located on the opposite side; accessible from a vehicular drop-off and new parking area. Both entrance lead an atrium which organizes the building and gives it its identity.

The first floor features a 250-seat auditorium, two 100-seat lecture halls, admissions suite, three meeting rooms, a 60-seat classroom, student lounges, and building support spaces. The second floor contains over 10,000 NASF of state-of-the-art specialized nursing class labs. Each bed and station have the capability for film recording. The third floor includes additional faculty offices, the Dean's suite and board rooms, two seminar rooms, and a 3,000 NASF research center.

"The green building movement offers an unprecedented opportunity to respond to the most important challenges of our time. Innovative building projects such as Texas State's Nursing Building are a fundamental driving force in the green building movement." - Rick Fedrizzi | President, CEO and Founding Chair, U.S. Green Building Council

SERVICES

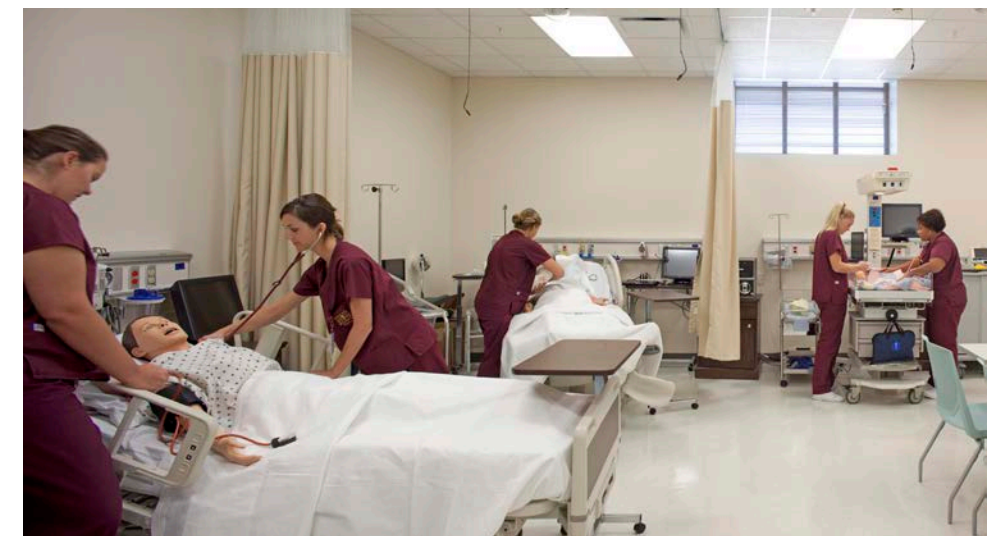
Associate Architect for Design
Programming
Lab + Simulation Planning
Interior Design

EDUCATIONAL PROGRAMS

Nursing
Simulation Center
OSCE
Home Health Care
Research Labs

SUSTAINABILITY

LEED Silver



RHODE ISLAND COLLEGE

Fogarty Hall | Providence, RI

Rhode Island College's School of Nursing needed to address their growing enrollment and inability to expand their program in the existing Fogarty Life Sciences Building. Growth had led to a non-cohesive program that presented no presence to the student body or community. Limited funding would need to maximize the nursing-specific teaching labs that could not be accommodated in Fogarty and increase the School's identity on campus. JMT was initially engaged for a feasibility study and programming and subsequently hired for design services for an addition and renovations.

The new 10,000 GSF addition pulls the addition entrance away from the Fogarty building, thereby allowing the school to establish a strong independent presence on campus. The addition's tilted wood roof increases the apparent mass of the addition and creates an open light-filled lobby which provides a comfortable student lounge connecting to an outdoor landscaped patio. This simple architectural solution, paired with concrete plank rain-screen walls, give the school an iconic identity on campus.

The addition's new teaching areas include state-of-the-art simulation and skills labs supported with high-fidelity equipment and robust AV technology. Abundant interior glazing showcases the School's unique program. A new deans' and administration suite welcomes students and visitors at the lobby. Renovations to the Fogarty Life Sciences Building transformed vacated class labs to modern classrooms, provided improvements to faculty offices and created additional student and faculty collaboration areas and lounges.

SERVICES

Architect-of-Record
Programming
Lab + Simulation Planning
Interior Design

EDUCATIONAL PROGRAMS

Nursing
Simulation Center

AWARDS

AIA Annual People's Choice Award



"One of our emerging themes here at Rhode Island College is 'learning innovation'. Boasting the latest technology in nursing simulation, this facility demonstrates what our college is capable of when you combine one of the nation's best nursing programs, top-notch faculty, and the collective investment made by Rhode Islanders."

- Frank D. Sanchez | President, Rhode Island College

OUR LEADERSHIP



Jeremiah Fairbank, AIA, LEED AP®

Health Professions Leader

"I am passionate about supporting higher education institutions in providing facilities that respond to the evolving demands of nursing and health professions education. I always look forward to collaborating with leadership and faculty to define their vision for the next generation and how we can accomplish their goals through planning and design."

Contact Me

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Joseph Briggs, AIA, NCARB, NCIDQ, LEED AP®

Higher Education Studio Leader

"My professional career has focused exclusively on the needs of higher education institutions, with a focus over the last 20 years on nursing and health professions programs. I admire the passion, care, and dedication of students and faculty in these programs and am always excited for collaborative opportunities to realize an institution's vision."

Contact Me

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3.5M

Square Feet of
Innovative Programming

280,000

Square Feet of
High Fidelity Simulation

76

Solutions for Program
Growth + Expansion

10

Conference Presentation
for Health Professions

80%

Work from
Repeat Clients

14

Design
Awards



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